

ORGANIZATION OF SCIENTIFIC AREA COMMITTEES (OSAC) FOR FORENSIC SCIENCE  
BLOODSTAIN PATTERN ANALYSIS SUBCOMMITTEE

# Bloodstain Pattern Analysis Bibliography

**Bloodstain Pattern Analysis Research Task Group**

**Revision 4**

**Updated April 8, 2021**

## Contents

Preface .....	3
2020 .....	4
2019 .....	8
2018 .....	17
2017 .....	20
2012-2016.....	25
2007-2011.....	32
2002-2006.....	40
1997-2001.....	50
1996-1992.....	57
1982-1991.....	64
1981-1972 .....	70
1892-1971.....	73

## Preface

This bibliography historically began as the Bibliography Project generated by the Scientific Working Group on Bloodstain Pattern Analysis (SWGSTAIN) Research Subcommittee. This list has been updated and will continue to be updated periodically.

Literature related to bloodstain pattern analysis (BPA) was located in scientific journals, newsletters, technical reports, books, web pages, theses, conference papers, law reports and magazines. This is not considered a complete list on the topic of BPA.

The BPA Research Task Group would like to acknowledge initial support for this project from the SWGSTAIN membership, the Midwest Forensics Resource Center, the Federal Bureau of Investigation, the Institute for Environmental Science and Research, Trent University and the Ontario Provincial Police.

For edits or to recommend additional references, contact Stephen Michielsen  
[\(stephen.michielsen@gmail.com\)](mailto:stephen.michielsen@gmail.com).

*Bloodstain Pattern Analysis Research Task Group*

## 2020

1. Airlie, M.; Chaseling, J.; Krosch, M. N.; Wright, K., An evaluation of infrared photography for detecting bloodstains on dark-coloured floor coverings commonly encountered at crime scenes. *Australian Journal of Forensic Sciences* **2020**, 1-13.
2. Badbade, P. R.; Timble, N. B.; Sahoo, S., Effect of Textile Substrate and its Processing on Blood Staining Pattern. *International Journal on Textile Engineering and Processes* **2019**, 5 (3), 7-10.
3. Beresford, D.; Stotesbury, T.; Langer, S.; Illes, M.; Kyle, C.; Yamashita, B., Bridging the gap between academia and practice: perspectives from two large-scale and niche research projects in Canada. *J Science Justice* **2020**, 60 (1), 95-98.
4. Choi, K.; Kim, W.; Ho-Young, K., Crack density in bloodstains *Soft Matter* **2020**, 16 (24), 5571-5576.
5. Choromanski, K., Current Problems of Bloodstain Pattern Analysis. In *Bloodstain Pattern Analysis in Crime Scenarios*, Springer: 2020; pp 61-65.
6. Choromanski, K., Basics of Bloodstain Pattern Analysis. In *Bloodstain Pattern Analysis in Crime Scenarios*, Springer: 2020; pp 3-15.
7. Choromanski, K., *Bloodstain Pattern Analysis in Crime Scenarios*. Springer: 2020.
8. Choromanski, K., Suicide Scenario. In *Bloodstain Pattern Analysis in Crime Scenarios*, Springer: 2020; pp 41-59.
9. Choromanski, K., Homicide Scenario. In *Bloodstain Pattern Analysis in Crime Scenarios*, Springer: 2020; pp 17-39.
10. Choromański, K., Performing bloodstain pattern analysis and other forensic activities on cases related to coronavirus diseases (COVID-19). *International Journal of Legal Studies* **2020**, 7 (1), 13-24.
11. Cossette, M.-L.; Stotesbury, T.; Shafer, A. B. A., Quantifying visible absorbance changes and DNA degradation in aging bloodstains under extreme temperatures. *Forensic Science International* **2021**, 318.
12. Das, T.; Harshey, A.; Nigam, K.; Yadav, V. K.; Srivastava, A., Analytical approaches for bloodstain aging by vibrational spectroscopy: Current trends and future perspectives. *Microchemical Journal* **2020**, 158, 105278.
13. Dozier, J., Investigating Directional Characteristics in Swipe Patterns on Fabrics. *Journal of Forensic Identification* **2020**, 70 (2).
14. Dutta, P.; Goal, S. In *Determination of Centre of Origin in Gunshot Analysis Using Triangular Fuzzy Number*, International Conference on Information Technology and Applied Mathematics, 2020; pp 304-313.
15. Esaias, O.; Noonan, G. W.; Everist, S.; Roberts, M.; Thompson, C.; Krosch, M. N., Improved area of origin estimation for bloodstain pattern analysis using 3D scanning. *Journal of forensic sciences* **2020**, 65 (3), 722-728.
16. Euteneuer, J.; Gosch, A.; Cachée, P.; Courts, C., A distant relationship?—investigation of correlations between DNA isolated from backspatter traces recovered from firearms, wound profile characteristics, and shooting distance. *International Journal of Legal Medicine* **2020**, 134, 1619-1628.
17. Garcia-Geijo, P.; Riboux, G.; Gordillo, J. M., Inclined Impact of Drops. *Journal of Fluid Mechanics* **2020**, 897.
18. Gautam, R.; Peoples, D.; Jansen, K.; O'Connor, M.; Thomas, G.; Vanga, S.; Pence, I. J.; Mahadevan-Jansen, A., Feature Selection and Rapid Characterization of Bloodstains on Different Substrates. *Applied Spectroscopy* **2020**, 74 (10), 1238-1251.
19. Griffiths, G.; Lisco, E.; NORTHFIELD, D., Accuracy of Area of Origin Analysis on Textured, Wallpaper Surfaces. *Journal of Bloodstain Pattern Analysis* **2020**, 35 (1), 1-11.
20. Hatch, K.; Lavoie, K.; Crispino, F., Adaptation of Bluestar to Extreme Outdoor Cold Conditions. *Bloodstain Pattern Analysis Bibliography Revision 4*      Updated April 8, 2021      Page 4 of 76

- Journal of Forensic Identification* **2020**, *70*, 89-102.
- 21. Hortolà, P., Microscopic imaging of human bloodstains: testing the potential of a confocal laser scanning microscope as an alternative to SEMs. *Micron* **2020**, *130* (1).
  - 22. Illes, M.; Wilson, P., Forensic epistemology: exploring case-specific research in forensic science. *Canadian Society of Forensic Science Journal* **2020**, *53* (1), 26-40.
  - 23. Illes, M.; Wilson, P., *The Scientific Method in Forensic Science A Canadian Handbook*. Canadian Scholars' Press: 2020.
  - 24. Illes, M.; Wilson, P.; Bruce, C., Forensic epistemology: A need for research and pedagogy. *Forensic Science International: Synergy* **2020**, *2*, 51-59.
  - 25. James, M. E., Degrees of contrast: Detection of latent bloodstains on fabric using ALS and the effects of washing. *Journal of Forensic Sciences* **2020**.
  - 26. Kearse, K. P., Ultraviolet 365 as an alternative light source for detection of blood serum. *Journal of forensic sciences* **2020**, *65* (5), 1716-1721.
  - 27. Kearse, K. P., Unanticipated issues in serological analysis of blood species - The Shroud of Turin as a case example. *Forensic Science International: Reports* **2020**, *2* (1).
  - 28. Keten, A., Commentary on: Liu Y, attinger D, de brabanter K. automatic classification of bloodstain patterns caused by gunshot and blunt impact at various distances. *Journal of forensic sciences* **2020**, *65* (4), 1385.
  - 29. Kim, H.-J.; Lee, Y.-J.; Lee, S.; Lee, Y.-R.; Son, H.; Shin, M.; Choi, H.; Yu, J.; Lee, J.; Kang, H.-G., Metabolomic profiling of bloodstains on various absorbent and non-absorbent surfaces. *Analytical bioanalytical chemistry* **2020**, *412* (6), 1407-1417.
  - 30. Kumar, R.; Sharma, K.; Sharma, V., Bloodstain age estimation through infrared spectroscopy and Chemometric models. *Science and Justice* **2020**, *60* (6), 538-546.
  - 31. Lee, S.-Y.; Seo, Y.-I.; Moon, B.-S.; Kim, J.-P.; Goh, J.-M.; Park, N.-K.; Shin, S.-H., Study on development of forensic blood substitute: Focusing on bloodstain pattern analysis. *Forensic Science International* **2020**, *316*, 110461.
  - 32. Liscio, E.; Bozek, P.; Guryn, H.; Le, Q., Observations and 3D analysis of controlled cast-off stains. *Journal of forensic sciences* **2020**, *65* (4), 1128-1140.
  - 33. Liscio, E.; Eng, P.; Moore, C. C., Accuracy of Digital Ellipse Marking for Bloodstain Pattern Analysis. *Journal of Bloodstain Pattern Analysis* **2020**, *35* (3), 11-22.
  - 34. Liu, Y.; Attinger, D.; De Brabanter, K., Automatic classification of bloodstain patterns caused by gunshot and blunt impact at various distances. *Journal of forensic sciences* **2020**, *65* (3), 729-743.
  - 35. Luo, T.; Zhou, T.; Qu, J., Discrimination of wet or dried arterial and venous blood for forensic applications via eosin fluorescence lifetime. *Sensors and Actuators. Part B, Chemical* **2020**, *B304*.
  - 36. Masataka, M.; Mitsuru, M.; Megumi, Y.; Takao, H.; Motohiro, K., Immunochromatographic detection of human hemoglobin from deteriorated bloodstains due to methamphetamine contamination, aging, and heating. *Analytical bioanalytical chemistry* **2020**, *412*, 5799-5809.
  - 37. McCleary, S.; Liscio, E.; De Brabanter, K.; Attinger, D., Automated reconstruction of cast-off blood spatter patterns based on Euclidean geometry and statistical likelihood. *Forensic Science International* **2021**, *319*.
  - 38. Menzyk, A.; Damin, A.; Martyna, A.; Alladio, E.; Vincenti, M.; Martra, G.; Zadora, G., Toward a novel framework for bloodstains dating by Raman spectroscopy: How to avoid sample photodamage and subsampling errors. *Talanta* **2020**, *209*, 120565.
  - 39. Millington, J. J. C. S. t. C. T. E. o. F. S., 7 Bloodstain Pattern Analysis. *Crime Scene to Court: The Essentials of Forensic Science* **2020**, 191.
  - 40. Mistek-Morabito, E.; Lednev, I. K., Discrimination between human and animal blood by

- attenuated total reflection Fourier transform-infrared spectroscopy. *Communications Chemistry, London* **2020**, 3 (1).
- 41. Morrison, G. S.; Neumann, C.; Geoghegan, P. H., Vacuous standards—Subversion of the OSAC standards-development process. *Forensic Science International: Synergy* **2020**, 2, 206-209.
  - 42. Nakanishia, H.; Ohmori, T.; Yoneyama, K.; Hara, M.; Takada, A.; Saito, K., Bloodstain examination and DNA typing from hand-washed bloodstains on clothes. *Legal Medicine* **2020**, 47.
  - 43. Pandita, R. Bloodstain pattern analysis: The identification and evaluation of reusable surfaces for the reconstruction of BPA events. Murdoch University, 2020.
  - 44. Pope, L., Chemical Testing for Presumptive Blood on Items and the Ground Below Them During Months of Exposure to Sun, Rain, and Rust. *Journal of Forensic Identification* **2020**, 70 (4), 416.
  - 45. Rashad, A., Bloodstain Pattern: An open source of Evidence A Case Study. *International Journal for Electronic Crime Investigation* **2020**, 4 (1), 12-18.
  - 46. Rathnaweera, R. J. G. M. J., A case of fatal haemorrhage due to ruptured varicose veins. *Galle Medical Journal* **2020**, 25 (3), 111-113.
  - 47. Rimmasch, P., Intentional Flash Overexposure for the Visualization of Blood and General Wetness on Dark-Colored Clothing. *Journal of Forensic Identification* **2020**, 70 (4), 428-441.
  - 48. Rivers, D. B.; Dunphy, B.; Hammerschmidt, C.; Carrigan, A., Characterization of Insect Stains Deposited by Calliphora vicina (Diptera: Calliphoridae) on Shirt Fabrics. *Journal of Medical Entomology* **2020**, 57 (5), 1399-1406.
  - 49. Saito, K.; Kogure, M.; Sonoda, A.; Ito, R., Luminol chemiluminescence reaction: Optimization by image analysis method and use in distinguishing human hemoglobin from potassium hexacyanoferrate(III) by addition of ascorbic acid. *Forensic Chemistry* **2020**, 21.
  - 50. Sarwar, A.; Bhatti, M. R. B., Bloodstain Pattern: An open source of Evidence A Case Study. *International Journal for Electronic Crime Investigation* **2020**, 4 (1), 7-7.
  - 51. Schyma, C.; Baumann, F.; Madea, B.; Gotsmy, W., Study of backspatter using high-speed video of experimental gunshots. *Forensic Science, Medicine and Pathology* **2021**, 17, 36-46.
  - 52. Serinelli, S.; Bonaccorso, L.; Gitto, L., Fatal bleeding caused by a ruptured varicose vein. *Medico-Legal Journal* **2020**, 88 (1), 41-44.
  - 53. Shaine, M. L.; Premasiri, W. R.; Ingraham, H. M.; Andino, R.; Lemler, P.; Brodeur, A. N.; Ziegler, L. D., Surface enhanced raman scattering for robust, sensitive detection and confirmatory identification of dried bloodstains *The Analyst* **2020**, 145 (18), 6097-6110.
  - 54. Shen, J.; Wang, X., Substrate Counts: Quantitative Effects of Surface Roughness on Fingerprinting Pattern and Rim Shape of an Impacting Drop. *Physics of Fluids* **2020**, 32.
  - 55. Singh, R., "Blood Stain Identification and Its DNA Stability on Different Fabrics. *International Journal of Forensic Medicine* **2020**, 2 (1), 21-24.
  - 56. Sliefert, N. D. Influence of muzzle gases on blood droplet backspatter. Dissertation, Iowa State University 2020.
  - 57. Smith, F.; Nicloux, C.; Brutin, D., A new forensic tool to date human blood pools. *Scientific Reports* **2020**, 10 (1), 1-12.
  - 58. Sparer, A.; Serp, B.; Schwarz, L.; Windberger, U., Storability of porcine blood in forensics: How far should we go? *Forensic science international* **2020**, 311, 110268.
  - 59. Stojanović, I.; Stojanović, J.; Šorgić, D.; Čipev, A., Effect of incomplete sampling description in DNA reports on bloodstain pattern analysis and reconstruction of a crime scene. *Medicine, Science, the Law* **2020**, 60 (4), 301-304.
  - 60. Stotesbury, T.; Cossette, M.; Newell-Bell, T.; al., e., An Exploratory Time Since Deposition Analysis of Whole Blood Using Metrics of DNA Degradation and Visible Absorbance Spectroscopy. *Pure and Applied Geophysics* **2020**.

61. Sweety, S.; Rito, C.; Singh, R., Forensic discrimination of menstrual blood and peripheral blood using attenuated total reflectance (ATR)-Fourier transform infrared (FT-IR) spectroscopy and chemometrics. *International Journal of Legal Medicine* **2020**, *134*, 63-77.
62. Terranova, C.; Doro, L.; Zancaner, S.; Zampini, T.; Mazzarolo, C.; Bonvicini, B.; Montisci, M.; al., e., Criminological and Medico-legal aspects in homicidal and suicidal sharp force fatalities. *Journal of Forensic Sciences* **2020**, *65* (4), 1184-1190.
63. Thompson, C.; Bennett, R.; Krosch, M. N.; Chaseling, J.; Wright, K., Evaluation of the RSIDTM-Saliva test to detect saliva in excreted bloodstains and development of an 'in-scene' protocol. *Australian Journal of Forensic Sciences* **2020**, *1*-12.
64. Triveni, K., BLOODSTAIN PATTERNS AND THE USE OF DIGITAL AID IN INTERPRETATION: A REVIEW. *International Journal of Engineering Applied Sciences and Technology* **5** (4), 339-342.
65. Wang, F.; Gallardo, V.; Michielsen, S.; Fang, T., Fundamental study of porcine drip bloodstains on fabrics: Blood droplet impact and wicking dynamics. *Forensic Science International* **2020**, *318*.
66. Weber, A. R.; Lednev, I. K., Crime clock—Analytical studies for approximating time since deposition of bloodstains. *Forensic Chemistry* **2020**, *19*, 100248.
67. Yeh, K.; Burr, W. S.; Stock, N. L.; Stotesbury, T., Preliminary analysis of latent fingerprints recovered from underneath bloodstains using matrix-assisted laser desorption/ionization fourier-transform ion cyclotron resonance mass spectrometry imaging (MALDI FT-ICR MSI). *Forensic Chemistry* **2020**, *20*, 100274.

## 2019

68. Adam, C. D. (2019). "Experimental and theoretical studies into the release of blood droplets from weapon tips." Forensic Science International **303**: 109934.
69. Almazrouei, M. A., et al. (2019). "The forensic disclosure model: what should be disclosed to, and by, forensic experts?" International Journal of Law, Crime Justice **59**: 100330.
70. Alshehhi, S. and P. R. Haddrill (2019). "Estimating time since deposition using quantification of RNA degradation in body fluid-specific markers." Forensic Science International **298**: 58-63.
71. Aplin, S., et al. (2019). "The Influence of Hematocrit Value on Area of Origin Estimations for Blood Source in Bloodstain Pattern Analysis." Journal of Forensic Identification **69**(2).
72. Aquila, I., et al. (2019). "The reconstruction of the dynamic of a murder using 3D motion capture and 3D model buildings: the investigation of a dubious forensic case." Journal of forensic sciences **64**(5): 1540-1543.
73. Araújo, P., Jr, et al. (2019). "Towards Autonomous Investigation of Crime Scene by Using Drones." Sensors & Transducers **234**(6): 30-36.
74. Asif, I., et al. (2019). Forensic laboratory practices and quality. Trends of Environmental Forensics in Pakistan, Elsevier: 95-109.
75. Attinger, D. (2019). "Charts based on millions of fluid dynamics simulations provide a simple tool to estimate how far from its source a specific blood stain can be found." Forensic Science International **298**: 97-105.
76. Attinger, D., et al. (2019). "Determining the region of origin of blood spatter patterns considering fluid dynamics and statistical uncertainties." Forensic Science International **298**: 323-331.
77. Attinger, D., et al. (2019). "A data set of bloodstain patterns for teaching and research in bloodstain pattern analysis: Gunshot backspatters." Data in brief **22**: 269-278.
78. Ayari, T., et al. (2019). "Comprehensive modeling of bloodstain aging by multivariate Raman spectral resolution with kinetics." Communications Chemistry; London **2**(1).
79. Baharuddin, A. S. and M. H. Ahmad (2019). Forensic Science Application towards Rahmatan Lil Alamin: An Appraisal within the Context of Justice, USIM Press.
80. Bălan, L. (2019). "Bloodstain Pattern Analysis." European Journal of Law Public Administration **6**(1): 187-192.
81. Barrera, V., et al. (2019). "Gunshot residue on dark materials: a comparison between infrared photography and the use of an alternative light source." International Journal of Legal Medicine **133**(4): 1115-1120.
82. Bastide, B., et al. (2019). "Detection of latent bloodstains at fire scenes using reflected infrared photography." Forensic Science International **302**: 109874.

83. Bell, S. (2019). Forensic Science: An Introduction to Scientific and Investigative Techniques, CRC Press.
84. Bird, T. A. G., et al. (2019). "Time since deposition of biological fluids using RNA degradation." Forensic Science International: Genetics Supplement Series **7**(1): 401-402.
85. Boos, K., et al. (2019). "Characterizing drip patterns in bloodstain pattern analysis: An investigation of the influence of droplet impact velocity and number of droplets on static pattern features." Forensic Science International **301**: 55-66.
86. Borrini, M. and L. Garlaschelli (2019). "A BPA Approach to the Shroud of Turin." Journal of forensic sciences **64**(1): 137-143.
87. Butler, J., et al. (2019). "A comparison of four presumptive tests for the detection of blood on dark materials." Journal of forensic sciences **64**(6): 1838-1843.
88. Camilleri, A., et al. (2019). "A risk-based approach to cognitive bias in forensic science." Science Justice **59**(5): 533-543.
89. Carew, R. M. and D. Erickson (2019). "Imaging in forensic science: five years on." Journal of Forensic Radiology Imaging **16**: 24-33.
90. Cavalcanti, D. and L. Silva (2019). "Application of atomic force microscopy in the analysis of time since deposition (TSD) of red blood cells in bloodstains: A forensic analysis." Forensic Science International **301**: 254-262.
91. Chakaneh, J. Z., et al. (2019). "Surface roughness effect on droplet impact characterization: Experimental and theoretical study." Journal of Mechanical Engineering Sciences **13**(2): 5104-5125.
92. Charman, S., et al. (2019). "Cognitive bias in legal decision making." Psychological science the law: 30.
93. Chasteen, C. E. (2019). Interacting with Other Disciplines. Forensic Analysis of Fire Debris and Explosives, Springer: 305-336.
94. Choi, W., et al. (2019). "Highly sensitive and accurate estimation of bloodstain age using smartphone." Biosensors Bioelectronics **130**: 414-419.
95. Cockle, D. L. and L. S. Bell (2019). "The impact of trauma and blood loss on human decomposition." Sci Justice **59**(332): e6.
96. Comiskey, P. and A. Yarin (2019). "Self-similar turbulent vortex rings: interaction of propellant gases with blood backspatter and the transport of gunshot residue." Journal of Fluid Mechanics **876**: 859-880.
97. Comiskey, P., et al. (2019). "Hydrodynamics of forward blood spattering caused by a bullet of general shape." Physics of Fluids **31**(8): 084103.

98. Comiskey, P., et al. (2019). "Implications of two backward blood spatter models based on fluid dynamics for bloodstain pattern analysis." *Forensic Science International* **301**: 299-305.
99. Comiskey, P. M. (2019). Fluid Mechanics of Blood Motion Resulting from Common Bloodletting Events, University of Illinois at Chicago.
100. Conlan, X. A., et al. (2019). "Application of a digital stringing protocol on buried fabrics." *Australian Journal of Forensic Sciences* **51**(sup1): S145-S148.
101. Cooper, G. S. and V. Meterko (2019). "Cognitive bias research in forensic science: a systematic review." *Forensic Science International* **297**: 35-46.
102. Costantini, S., et al. (2019). "Digital forensics and investigations meet artificial intelligence." *Annals of Mathematics Artificial Intelligence* **86**(1): 193-229.
103. Das, R. (2019). Digital In-line Holography of blood atomization, Iowa State University.
104. De Alcaraz-Fossoul, J. and M. Islam (2019). Novel Technological Applications for Latent and Blood-Stained Fingerprint Aging Studies. *Emerging Technologies for the Analysis of Forensic Traces*, Springer: 33-66.
105. Dicken, L. (2019). Passive bloodstains on cotton fabrics, Cranfield University.
106. Dicken, L., et al. (2019). "The effect of fabric mass per unit area and blood impact velocity on bloodstain morphology." *Forensic Science International* **301**: 12-27.
107. Dicken, L., et al. (2019). "Investigating bloodstain dynamics at impact on the technical rear of fabric." *Forensic Science International* **301**: 142-148.
108. Dillon, S. (2019). Investigating the Quantitative Characteristics of Drip Bloodstain Patterns & Construction of a Novel Brachial Artery Device, University of Auckland.
109. Ding, Q., et al. (2019). "Two jets during the impact of viscous droplets onto a less-viscous liquid pool." *Physical Review E* **100**(5): 053108.
110. do Nascimento, R. M., et al. (2019). "Blood droplets on functionalized surfaces: Chemical, roughness and superhydrophobic effects." *Colloid Surfaces A: Physicochemical Engineering Aspects* **574**: 188-196.
111. Dubey, M. K., et al. (2019). "A comparative study on variations in bloodstain patterns due to change in surface angles-using blood from four common animal species." *International Journal of Clinical and Diagnostic Pathology* **2**: 167-174.
112. Dutta, P. and S. Goalal (2019). *Determination of Centre of Origin in Gunshot Analysis Using Triangular Fuzzy Number*. International Conference on Information Technology and Applied Mathematics, Springer.
113. Esaias, O., et al. (2019). "Improved Area of Origin Estimation for Bloodstain Pattern Analysis Bloodstain Pattern Analysis Bibliography Revision 4" Updated April 8, 2021 Page 10 of 76

- Using 3D Scanning." Journal of forensic sciences **65**(3): 722-728.
114. Euteneuer, J., et al. (2019). "Evaluation of the backspatter generation and wound profiles of an anatomically correct skull model for molecular ballistics." International Journal of Legal Medicine **133**(6): 1839-1850.
115. FINEZ, M. A. and C. G. CHIARATO (2019). "Análise dos padrões de manchas de sangue: a física e a biologia nas cenas do crime." Revista Científica da Faculdade de Grân Tietê.
116. Franjić, S. (2019). "Blood in Murder Investigation." Journal of Law Judicial System **2**(3): 18-22.
117. Fu, J. and R. W. Allen (2019). "A method to estimate the age of bloodstains using quantitative PCR." Forensic Science International: Genetics **39**: 103-108.
118. Galarion, W. H., et al. (2019). Drop impact dynamics of bloodstain on fabric. 9th International Conference on Imaging for Crime Detection and Prevention (ICDP-2019), Stevenage, IET Conference Proceedings.
119. Gardner, B. O., et al. (2019). "Do evidence submission forms expose latent print examiners to task-irrelevant information?" Forensic Science International **297**: 236-242.
120. Gardner, B. O., et al. (2019). "What do forensic analysts consider relevant to their decision making?" Science and Justice **59**(5): 516-523.
121. Garrett, M. D. (2019). Interdisciplinary Learning Communities: Bridging the Gap between the Sciences and the Humanities through Forensic Science. Teaching Chemistry with Forensic Science, ACS Publications: 109-136.
122. Geldenhuys, K. (2019). "Crime series-triple axe murder in the Cape Winelands part 3 (final)." Servamus Community-based Safety Security Magazine **112**(1): 38-47.
123. Gomez, N. A. (2019). Detection of metformin in dried blood on cotton cloth using QuEChERS procedure and liquid chromatography-mass spectrometry (LC-MS).
124. Gooch, J., et al. (2019). Bioanalytical Advancements in the Reliable Visualization and Discrimination of Bodily Fluids. Emerging Technologies for the Analysis of Forensic Traces, Springer: 75-102.
125. Gordillo, J. M., et al. (2019). "A theory on the spreading of impacting droplets." Journal of Fluid Mechanics **866**: 298-315.
126. Gualtieri, R. (2019). "The optimization of bovine blood for research use in forensic bloodstain pattern analysis." Peterborough: Trent University.
127. Gunn, A. (2019). Essential forensic biology, John Wiley & Sons.
128. Harris, H. A. and H. C. Lee (2019). Introduction to Forensic Science and Criminalistics, CRC Press.

129. Hofmann, M., et al. (2019). "Detectability of bloodstains after machine washing." International Journal of Legal Medicine **133**(1): 3-16.
130. Holbrook, K. L. (2019). The instrumental evaluation of blood decomposition volatiles on various substrates and their relationship to presumptive test methods.
131. Houck, M. M. (2019). "Open, transparent science helps promote justice." Forensic Science International: Synergy **1**: A275.
132. Howard, D., et al. (2019). "Detection of blood on clothing laundered with sodium percarbonate." Forensic Science International **302**: 109885.
133. Huang, S., et al. (2019). "Blood species identification based on deep learning analysis of Raman spectra." Biomedical optics express **10**(12): 6129-6144.
134. Illes, M., et al. (2019). "Forensic epistemology: testing the reasoning skills of crime scene experts." Canadian Society of Forensic Science Journal **52**(4): 151-173.
135. Kesić, T., et al. BLOODSTAIN PATTERN ANALYSIS: A STRONG EVIDENCE OR THE CAUSE OF THE MISCARRIAGE OF JUSTICE44. International Scientific Conference "Towards a Better Future: Democracy, EU Integration and Criminal Justice".
136. Klein, A., et al. (2019). "The use of liquid latex for detecting traces of blood following thermal exposure." International Journal of Legal Medicine **133**(5): 1567-1574.
137. Kumar, P., et al. (2019). "Challenges and opportunities in blood flow through porous substrate: A design and interface perspective of dried blood spot." Journal of pharmaceutical biomedical analysis **175**: 112772.
138. Laan, N., et al. (2019). "The influence of coagulation on the drying dynamics of blood pools." Forensic Science International **305**: 110008.
139. LAOHABUTR, P. and S. Supalaknari (2019). Estimation of the age of bloodstain on cloth by the method of image analysis, Silpakorn University.
140. Le, Q. and E. Liscio (2019). "A comparative study between FARO Scene and FARO Zone 3D for area of origin analysis." Forensic Science International **301**: 166-173.
141. Le, Q. and E. Liscio (2019). "FARO Zone 3D Area of Origin Tools with Handheld 3D Data." J Assoc Crime Scene Reconstr: 23.
142. Lee, Y.-R., et al. (2019). "Internal standard metabolites for obtaining absolute quantitative information on the components of bloodstains by standardization of samples." Forensic Science International **294**: 69-75.
143. Liang, G., et al. (2019). "Maximum spreading for liquid drop impacting on solid surface." Industrial Engineering Chemistry Research **58**(23): 10053-10063.
144. Lucio, J. V. P. (2019). Postmortem criminal mutilation in Panama. Dismemberments, Elsevier: Bloodstain Pattern Analysis Bibliography Revision 4 Updated April 8, 2021 Page 12 of 76

63-68.

145. Luo, T., et al. "Discrimination of Wet or Dried Arterial and Venous Blood for Forensic Applications via Eosin
146. Lux, C., et al. (2019). "Feasibility of an accelerated PVAL method for the collection of GSR and biological traces." *Sensors and Actuators B: Chemical* **304**: 127018.
147. Lyle, D. P. (2019). *Forensics for dummies*, John Wiley & Sons.
148. MEISARI, S. (2019). BLOODSTAIN IDENTIFICATION OF DIFFERENT BLOOD CONCENTRATION OF DOMESTIC CAT (*Felis catus*) WITH LEUCOMALACHITE GREEN (LMG) AND TAKAYAMA REAGENT, UNIVERSITAS AIRLANGGA.
149. Melbourn, H., et al. (2019). "Mandatory certification of forensic science practitioners in the United States: A supportive perspective." *Forensic Science International: Synergy* **1**: 161-169.
150. Mistek, E., et al. (2019). "Phenotype profiling for forensic purposes: Nondestructive potentially on scene attenuated total reflection Fourier transform-infrared (ATR FT-IR) spectroscopy of bloodstains." *Forensic Chemistry* **16**: 100176.
151. Mitchell, B. R., et al. (2019). "The transient force profile of low-speed droplet impact: measurements and model." *Journal of Fluid Mechanics* **867**: 300-322.
152. Mole, C. G. and M. Heyns (2019). "Animal models in forensic science research: justified use or ethical exploitation?" *Science engineering ethics* **25**(4): 1095-1110.
153. Muralidhar, M. (2019). Comparison of chemiluminescent and fluorescent blood detection kits, Boston University.
154. Nioi, M., et al. (2019). "Optical coherence tomography in forensic sciences: a review of the literature." *Forensic Science, Medicine Pathology* **15**(3): 445-452.
155. Orr, A., et al. (2019). "Validation of Sherlock, a linear trajectory analysis program for use in bloodstain pattern analysis." *Canadian Society of Forensic Science Journal* **52**(2): 78-94.
156. Patil, N. D. and R. Bhardwaj (2019). "Recent developments on colloidal deposits obtained by evaporation of sessile droplets on a solid surface." *Journal of the Indian Institute of Science* **99**(1): 143-156.
157. Pelletti, G., et al. (2019). "Scanning electron microscopy in the identification of fly artifacts." *International Journal of Legal Medicine* **133**(5): 1575-1580.
158. Peng, F., et al. (2019). "Validation of methylation-based forensic age estimation in time-series bloodstains on FTA cards and gauze at room temperature conditions." *Forensic Science International: Genetics* **40**: 168-174.
159. Perkowitz, S. (2019). "The physics of blood spatter." *Physics World* **32**(10): 43.

161. Polacco, S., et al. (2019). "Luminol reagent control materials in bloodstain pattern analysis: A silicon sol-gel polymer alternative." *Forensic Chemistry* **12**: 91-98.
162. Prakash, J. and B. S. Sikarwar (2019). "Modeling of Sessile Droplet Evaporation on Engineered Surfaces." *Journal of Thermal Science Engineering Applications* **11**(6).
163. Prawestiningtyas, E. (2019). "Takayama Test as a Blood Spot Test Tool in Blood Samples Exposed to Freshwater Decomposition Media." *Indonesian Journal of Legal Forensic Sciences* **9**(2): 108-113.
164. Ribeiro, G., et al. (2019). "Beliefs about error rates and human judgment in forensic science." *Forensic Science International* **297**: 138-147.
165. Rindom, K. J. (2019). Measurement Determination of Blood Spatter on a Horizontal Surface, Emporia State University.
166. Ristenbatt III, R. R. (2019). "Commentary on: Rivers DB et al. Immunoassay detection of fly artifacts produced by several species of necrophagous flies following feeding on human blood. *Forensic Science International: Synergy* 2019; 1 (1): 1–10." *Forensic Science International: Synergy* **1**: 303.
167. Rivers, D. B., et al. (2019). "Detection of fly artifacts from four species of necrophagous flies on household materials using immunoassays." *International Journal of Legal Medicine*: 1-15.
168. Rivers, D. B., et al. (2019). "Response to "Commentary on: Rivers DB et al. Immunoassay detection of fly artifacts produced by several species of necrophagous flies following feeding on human blood. *Forensic Science International: Synergy* 2019; 1 (1): 1–10"." *Forensic Science International: Synergy* **1**: 305.
169. Rivers, D. B., et al. (2019). "Immunoassay detection of fly artifacts produced by several species of necrophagous flies following feeding on human blood." *Forensic Science International: Synergy* **1**: 1-10.
170. San Pietro, D., et al. (2019). "Is forensic science in danger of extinction?" *Science Justice* **59**(2): 199-202.
171. San Pietro, D. and R. Steelberg (2019). "A preliminary assessment of the correlation of drying time and the peripheral rim thickness of perimeter bloodstains." *J. Forensic Res* **10**: 2.
172. Sanchez Hermosilla, A., et al. (2019). "Commentary on: Borrini M, Garlaschelli L. A BPA Approach to the Shroud of Turin. *J Forensic Sci* 2019; 64 (1): 137–43." *Journal of forensic sciences* **64**(1): 325-326.
173. Schalike, R. and M. Illes (2019). "A Review of Spectroscopic Methods Applied to Bloodstain Pattern Analysis." *Journal of Multidisciplinary Research at Trent* **2**(1): 90-104.
174. Schyma, C., et al. (2019). "The deceleration of bullets in gelatine—A study based on high-speed video analysis." *Forensic Science International* **296**: 85-90.

175. Shiri, S., et al. (2019). "Surface coatings including fingerprint residues can significantly alter the size and shape of bloodstains." *Forensic Science International* **295**: 189-198.
176. Sieberth, T., et al. (2019). "A toolbox for the rapid prototyping of crime scene reconstructions in virtual reality." *Forensic Science International* **305**: 110006.
177. Signaevsky, M. (2019). "The Effect of Household Cleaning Agents on Blood and the Suitability for Screening Using the Phenolphthalein Test." *Journal of Forensic Identification* **69**(1).
178. Singh, A. K. and A. Singh (2019). "The Legal Aspects of Forensic Science with Reference to Crime Scene Investigation." *IUP Law Review* **9**(1).
179. Stern, H. S., et al. (2019). "Reliability and validity of forensic science evidence." *Significance* **16**(2): 21-24.
180. Stojanović, I. (2019). "Detection of bloodstains on cotton fabric after washing." *Acta Medica Medianae* **58**(1): 24-27.
181. Swadayanti, S. S. (2019). BLOOD STAIN IDENTIFICATION ON DIFFERENT BLOOD DILUTION OF DOMESTIC CAT (*Felis catus*) USING PHENOLPHTHALEIN AND TAKAYAMA TEST, Universitas Airlangga.
182. Takamura, A., et al. (2019). "Comprehensive modeling of bloodstain aging by multivariate Raman spectral resolution with kinetics." *Communications Chemistry* **2**(1): 1-10.
183. Thompson, S. G. and N. B. Casarez (2019). "Solving Daubert's Dilemma for the Forensic Sciences Through Blind Testing." *Houston Law Review* **57**: 617.
184. Thompson, W. C. and N. Scurich (2019). "How cross-examination on subjectivity and bias affects jurors' evaluations of forensic science evidence." *Journal of forensic sciences* **64**(5): 1379-1388.
185. Tilstone, W. J., et al. (2019). *Fisher Techniques of Crime Scene Investigation First International Edition*, CRC Press.
186. Valkenburg, T. S. E. (2019). Predicting the Past of Dried Blood Spots: Time Since Deposition and Toxicology, University of Leicester.
187. Van den Berge, M., et al. (2019). "Determining how diluted bloodstains were derived: inferring distinctive characteristics and formulating a guideline." *Forensic Science International* **302**: 109918.
188. Viero, A., et al. (2019). "Crime scene and body alterations caused by arthropods: implications in death investigation." *International Journal of Legal Medicine* **133**(1): 307-316.
189. Villa, C. and C. Jacobsen (2019). The Application of Photogrammetry for Forensic 3D Recording of Crime Scenes, Evidence and People. *Essentials of Autopsy Practice*, Springer: 1-18.

190. Vyas, N. and A. K. Tripathi (2019). "A Survey Paper of Blood Spatter Trajectory Analysis for Forensic Crime." Forensic Science International **5**: 6.
191. Walton, D. (2019). "When expert opinion evidence goes wrong." Artificial Intelligence Law **27**(4): 369-401.
192. Wang, J., et al. (2019). "Virtual reality and integrated crime scene scanning for immersive and heterogeneous crime scene reconstruction." Forensic Science International **303**: 109943.
193. Wang, L., et al. (2019). "Scenario-Entity Analysis based on an entity-relationship model: Revisiting crime reconstruction." Forensic Science International **302**: 109923.
194. Wang, Q., et al. (2019). "Identification and Determination of the Bloodstains Dry Time in the Crime Scenes Using Laser-Induced Breakdown Spectroscopy." IEEE Photonics Journal **11**(3): 1-12.
195. Wang, Y., et al. (2019). "Many-body dissipative particle dynamics simulation of the anisotropic effect of droplet wetting on stripe-patterned heterogeneous surfaces." Applied Surface Science **494**: 675-683.
196. Wang, Y.-B., et al. (2019). "The maximum spreading factor for polymer nanodroplets impacting a hydrophobic solid surface." The Journal of Physical Chemistry C **123**(20): 12841-12850.
197. Wang, Z., et al. (2019). "Robust serum albumin-responsive AIegen enables latent bloodstain visualization in high resolution and reliability for crime scene investigation." ACS applied materials interfaces **11**(19): 17306-17312.
198. Wicoff, B. (2019). "Challenges in Responding to Mass Forensic Error." Criminal Justice **34**(3): 29-36.
199. Williams, E. M., et al. (2019). "The dynamics of blood drop release from swinging objects in the creation of cast-off bloodstain patterns." Journal of forensic sciences **64**(2): 413-421.
200. Wu, J., et al. (2019). "Impact spatter bloodstain patterns on textiles." Journal of forensic sciences **64**(3): 702-710.
201. Zheng, J., et al. (2019). "Development of Integrated Device of Trace Bloodstains Imaging and Age Analysis." Fa yi xue za zhi **35**(2): 230-233.

## **2018**

202. Arthur, R. M., et al. (2018). "An automated approach to the classification of impact spatter and cast-off bloodstain patterns." *Forensic Sci Int* 289: 310-319.
203. Arthur, R. M., et al. (2018). "An eye tracking study of bloodstain pattern analysts during pattern classification." *Int J Legal Med* 132(3): 875-885.
204. Attinger, D., et al. (2018). "A data set of bloodstain patterns for teaching and research in bloodstain pattern analysis: Impact beating spatters." *Data Brief* 18: 648-654.
205. Barrera, V., et al. (2018). "Detection of painted-over traces of blood and seminal fluid." *Int J Legal Med* 132(4): 1067-1074.
206. Bian, H., et al. (2018). "Dual-model analysis for improving the discrimination performance of human and nonhuman blood based on Raman spectroscopy." *Biomed Opt Express* 9(8): 3512- 3522.
207. Borrini, M. and L. Garlaschelli (2018). "A BPA Approach to the Shroud of Turin." *J Forensic Sci*.
208. Brenzini, V. and R. Pathak (2018). "A comparison study of the detection of bloodstains on painted and cleaned surfaces with luminol." *Forensic Sci Int* 289: 75-82.
209. Carr, D. J., et al. (2018). "Preliminary development of a bleeding layer to assess the effect of a ballistic impact on textile damage." *Forensic Sci Int* 288: 169-172.
210. Di Lascio, A., et al. (2018). "Investigating the color of the blood stains on archaeological cloths: the case of the Shroud of Turin." *Appl Opt* 57(23): 6626-6631.
211. Durdle, A., et al. (2018). "Location of Artifacts Deposited by the Blow Fly *Lucilia cuprina* After Feeding on Human Blood at Simulated Indoor Crime Scenes." *J Forensic Sci* 63(4): 1261-1268.
212. Edelman, G. J. and M. C. Aalders (2018). "Photogrammetry using visible, infrared, hyperspectral and thermal imaging of crime scenes." *Forensic Sci Int* 292: 181-189.
213. Feng, C., et al. (2018). "Impact of carpet construction on fluid penetration: The case of blood." *Forensic Sci Int* 284: 184-193.
214. Flight, C., et al. (2018). "Determination of the maximum distance blood spatter travels from a vertical impact." *Forensic Sci Int* 293: 27-36.
215. Geller, B., et al. (2018). "Fingermarks in blood: Mechanical models and the color of ridges." *Forensic Sci Int* 286: 141-147.
216. Hofmann, M., et al. (2018). "Detectability of bloodstains after machine washing." *Int J Legal Med*.
217. Johnson, D. J., et al. (2018). "A Molecular Method to Detect Wound Cells in Bloodstains Resultant of Sharp Force Injuries for Crime Scene Reconstruction." *J Forensic Sci* 63(3):842-848.
218. Kim, S., et al. (2018). "Corrigendum to "How important is it to consider target properties and hematocrit in bloodstain pattern analysis?" [FSI 266C (2016) 178-184]." *Forensic Sci Int* 287: 217.
219. Kulstein, G. and P. Wiegand (2018). "Comprehensive examination of conventional and innovative body fluid identification approaches and DNA profiling of laundered blood- and saliva-stained pieces of cloths." *Int J Legal Med* 132(1): 67-81.
220. Lee, Y. R., et al. (2018). "Internal standard metabolites for obtaining absolute quantitative information on the components of bloodstains by standardization of samples." *Forensic*

- Sci Int 294: 69-75.
221. Leonova, E. N., et al. (2018). "[The peculiar morphological features of the imprints of straight and wavy head hair dirtied with blood]." Sud Med Ekspert 61(1): 39-41.
222. Mahoney, P., et al. (2018). "Ballistic impacts on an anatomically correct synthetic skull with a surrogate skin/soft tissue layer." Int J Legal Med 132(2): 519-530.
223. Majda, A., Wietecha-Posluszny, R., Mendys, A. et al. (2018). "Hyperspectral imaging and multivariate analysis in the dried blood spots investigations." Appl Physics A 124(4).
224. Milionis, A., et al. (2018). "Dynamic wetting of human blood and plasma on various surfaces." Colloids Surf B Biointerfaces 166: 218-223.
225. Morillas, A. V., et al. (2018). "Feasibility of a handheld near infrared device for the qualitative analysis of bloodstains." Talanta 184: 1-6.
226. Morrison, J., et al. (2018). "Field-based detection of biological samples for forensic analysis: Established techniques, novel tools, and future innovations." Forensic Sci Int 285: 147-160.
227. Nagornov, M. N., et al. (2018). "[The peculiar morphological features of the blood stains on the snow over of different density]." Sud Med Ekspert 61(1): 42-44.
228. Nagornov, M. N., et al. (2018). "[The specific features of the blood stains depending on their volume]." Sud Med Ekspert 61(2): 14-17.
229. Neves, F. B., et al. (2018). "Establishing state of motion through two-dimensional foot and shoe print analysis: A pilot study." Forensic Sci Int 284: 176-183.
230. Osborne, N. K. P. and M. C. Taylor (2018). "Contextual information management: An example of independent-checking in the review of laboratory-based bloodstain pattern analysis." Sci Justice 58(3): 226-231.
231. Polacco, S., et al. (2018). "Quantifying chemiluminescence of the forensic luminol test for ovine blood in a dilution and time series." Forensic Sci Int 290: 36-41.
232. Ramsthaler, F., et al. (2018). "Detectability, visualization, and DNA analysis of bloodstains after repainting the walls." Int J Legal Med 132(6): 1625-1634.
233. Rivers, D. B., et al. (2018). "Distinction of Fly Artifacts from Human Blood using Immunodetection." J Forensic Sci 63(6): 1704-1711.
234. Rossi, C., et al. (2018). "Cranial Backspatter Pattern Production Utilizing Human Cadavers." J Forensic Sci 63(5): 1526-1532.
235. Schyma, C., et al. (2018). "Distortion of the temporary cavity and its influence on staining in firearm barrels." Forensic Sci Med Pathol 14(2): 202-208.
236. Seok, A. E., et al. (2018). "Estimation of Age of Bloodstains by Mass-Spectrometry: A Metabolomic Approach." Anal Chem 90(21): 12431-12441.
237. Serra, R., et al. (2018). "Haemorrhage from varicose veins and varicose ulceration: A systematic review." Int Wound J 15(5): 829-833.
238. Smith, F. R., et al. (2018). "Roughness Influence on Human Blood Drop Spreading and Splashing." Langmuir 34(3): 1143-1150.
239. Taylor, M. C. and N. K. P. Osborne (2018). "Letter to the Editor-A Contribution to Contextual Information Management in Bloodstain Pattern Analysis: Preliminary Idea for a Two-Step Method of Analysis." J Forensic Sci 63(1): 341.
240. van Steijn, L. J., et al. (2018). "Visual characteristics for sequencing of overlapping bloodstain patterns." Forensic Sci Int 286: 166-176.

241. Williams, E. M. P., et al. (2018). "The Dynamics of Blood Drop Release from Swinging Objects in the Creation of Cast-off Bloodstain Patterns." *J Forensic Sci* 64(2) 413-421.
242. Wojtowicz, T. (2018). "Ellipse detection in forensic blood stain images analysis." *Computing and Informatics* 37: 16.
243. Wornes, D. J., et al. (2018). "The evaluation and validation of Phadebas((R)) paper as a presumptive screening tool for saliva on forensic exhibits." *Forensic Sci Int* 288:81-88.
244. Wu, J., et al. (2018). "Impact Spatter Bloodstain Patterns on Textiles." *J Forensic Sci*.
245. Zadora, G., Menzyk, Alicja (2018). "In pursuit of the holy grail of forensic science - Spectroscopic studies on the estimation of time since deposition of bloodstains." *Trends in Analytical Chemistry* 105: 29.
246. Zotova, N. V., et al. (2018). "[The analysis of the results of the medical criminalistics expertises of the blood stains performed at the Bureau of Forensic Medical Expertise of the Moscow Health Department during the period from 2011 till 2015]." *Sud Med Ekspert* 61(4): 39-41.

## 2017

247. Adamczyk, Marcin, Elwira Hołowko, Krzysztof Lech, Jakub Michoński, Grzegorz Mączkowski, Paweł Bolewicki, Kamil Januszkiewicz, and Robert Sitnik. 2017. "Three-dimensional measurement system for crime scene documentation." *Counterterrorism, Crime Fighting, Forensics, and Surveillance Technologies*.
248. Agrawal, Prashant, Laurel Barnet, and Daniel Attinger. 2017. "Bloodstains on woven fabric: Simulations and experiments for quantifying the uncertainty on the impact and directional angles." *Forensic Science International* 278 (Complete):240-252. doi: 10.1016/j.forsciint.2017.07.008.
249. Ahmed, Gulraiz, O Arjmandi Tash, J Cook, Anna Trybala, and Victor Starov. 2017. "Biological applications of kinetics of wetting and spreading." *Advances in colloid and interface science*.
250. Alshehhi, Suaad, Nicola A. McCallum, and Penelope R. Haddrill. 2017. "Quantification of RNA degradation of blood-specific markers to indicate the age of bloodstains." *Forensic Science International: Genetics Supplement Series* 6 (Complete):e453-e455. doi: 10.1016/j.fsigss.2017.09.175.
251. Andersson, Rebecca. 2017. An Evaluation of Two Presumptive Blood Tests and Three Methods to Visualise Blood.
252. Aquila, Isabella, Matteo A Sacco, Santo Gratteri, Ciro Di Nunzio, and Pietrantonio Ricci. 2017. "Sudden death by rupture of a varicose vein: Case report and review of literature." *Medico- Legal Journal* 85 (1):47-50. doi: 10.1177/0025817216678712.
253. Arthur, R. M., J. Hoogenboom, R. D. Green, M. C. Taylor, and K. G. de Bruin. 2017. "An eye tracking study of bloodstain pattern analysts during pattern classification." *International Journal of Legal Medicine*. doi: 10.1007/s00414-017-1711-6.
254. Arthur, Ravishka M., Philomena J. Humburg, Jerry Hoogenboom, Martin Baiker, Michael C. Taylor, and Karla G. de Bruin. 2017. "An image-processing methodology for extracting bloodstain pattern features." *Forensic Science International* 277 (Complete):122-132. doi: 10.1016/j.forsciint.2017.05.022.
255. Barros, Hélio L, Thayse Mileski, Crisle Dillenburg, and Valter Stefani. 2017. "Fluorescent Benzazole Dyes for Bloodstain Detection and Bloody Fingermark Enhancement." *Forensic Chemistry*.
256. Basu, Nabanita, and Samir Kumar Bandyopadhyay. 2017. "Crime scene reconstruction—Sex prediction from blood stained foot sole impressions." *Forensic Science International* 278 (Complete):156-172. doi: 10.1016/j.forsciint.2017.06.017.
257. Bergmann, Tommy, Florian Heinke, and Dirk Labudde. 2017. "Towards substrate-independent age estimation of blood stains based on dimensionality reduction and k-nearest neighbor classification of absorbance spectroscopic data." *Forensic Science International* 278 (Supplement C):1-8. doi: <https://doi.org/10.1016/j.forsciint.2017.05.023>.
258. Billich, Richard, Petra Horáková, Josef Zeman, Petr Kubový, František Lopot, and Karel Jelen. 2017. "Trajectory of Blood Drops in an Experimental Model with the Use of a Firearm." *Indian Journal of Forensic Medicine & Toxicology* 11 (1):239-249.
259. Burnett, BR. 2017. "The Homicide of United States Marine Corps Colonel, James E." Sabow: A Forensic Analysis Submitted to the United States Congress. J Forensic Res.
260. Cassidy, Brianna M., Zhenyu Lu, Jennifer P. Martin, Shawna K. Tazik, Katie W. Kellogg, Stephanie DeJong, Elle O. Belliveau, Katherine E. Kilgore, Samantha M. Ervin, Mackenzie Meece-Rayle, Alyssa M. Abraham, Michael L. Myrick, and Stephen L. Morgan. 2017. "A quantitative method for determining a representative detection limit of the forensic luminol

- test for latent bloodstains." *Forensic Science International* 278 (Complete):396-403. doi: 10.1016/j.forsciint.2017.06.031.
261. Castelló, Ana, Francesc Francès, and Fernando Verdú. 2017. "Bloodstains on Leather: Examination of False Negatives in Presumptive Test and Human Hemoglobin Test." *Journal of Forensic Sciences* 62 (5):1308-1313. doi: 10.1111/1556-4029.13407.
262. Chirmade, Utkarsha, Ms Namrata Sharma, and BS Patil. 2017. "An Improved Blood Splatters Analysis Technique."
263. Comiskey, P. M., A. L. Yarin, and D. Attinger. 2017a. "High-speed video analysis of forward and backward spattered blood droplets." *Forensic Science International* 276 (Complete):134-141. doi: 10.1016/j.forsciint.2017.04.016.
264. Comiskey, P. M., A. L. Yarin, and D. Attinger. 2017b. "Hydrodynamics of back spatter by blunt bullet gunshot with a link to bloodstain pattern analysis." *Physical Review Fluids* 2 (7):073906.
265. CROMER, JOND, and JO ANNE BREWSTER. 2017. "Approaching the Crime Scene with an Eye toward Interview Strategy." *Behavior, Truth and Deception: Applying Profiling and Analysis to the Interview Process*.
266. de Castro, T. C. 2017. "Chapter Seven - Forensic Interpretation of Bloodstains on Fabrics A2 - Carr, Debra." In *Forensic Textile Science*, 127-167. Woodhead Publishing.
267. de Goede, TC, KG de Bruin, and D Bonn. 2017. "Splashing of impacting drops." *arXiv preprint arXiv:1701.02504*.
268. de Goede, Thijs C, nick laan, Karla de bruin, and Daniel Bonn. 2017. "Effect of wetting on drop splashing of Newtonian fluids and blood." *Langmuir*.
269. de Leeuwe, Roosje. 2017. "The hiatus in crime scene documentation: Visualisation of the location of evidence." *Journal of Forensic Radiology and Imaging* 8:13-16.
270. Edelman, Gerda J, and Maurice C.G. Aalders. 2017. "Chapter 4: Blood degradation and Bloodstain Age Estimations." In *Taphonomy of Human Remains: Forensic Analysis of the Dead and the Depositional Environment*, edited by Eline M. J. Schotmans, Nicholas Márquez-Grant and Shari L. Forbes. West Sussex UK: John Wiley and Sons Ltd..
271. Edler, Carolin, A Gehl, J Kohwagner, M Walther, O Krebs, C Augustin, and A Klein. 2017. "Blood Trace Evidence on Washed Textiles-a systematic approach." *International journal of legal medicine*:1-11.
272. Erb, Victoria. 2017. "Effect of Different Bullet Calibers and Distances from Target on Blood Spatter." *Instars: A Journal of Student Research* 3.
273. Geoghegan, P.H., A.M. Laffra, N.K. Hoogendorp, M.C. Taylor, and M.C. Jermy. 2017. "Experimental measurement of breath exit velocity and excreted bloodstain patterns produced under different exhalation mechanisms." *International Journal of Legal Medicine* 131 (5):1193- 1201. doi: 10.1007/s00414-017-1545-2.
274. Grabmüller, Melanie, Christian Schyma, Burkhard Madea, Tim Eichhorst, and Cornelius Courts. 2017. "RNA/DNA co-analysis on aged bloodstains from adhesive tapes used for gunshot residue collection from hands." *Forensic Science, Medicine, and Pathology* 13 (2):161-169.
275. Gudmannsson, Petur, Johan Berge, Henrik Druid, Göran Ericsson, and Anders Eriksson. 2017. "A unique fatal moose attack mimicking homicide." *Journal of forensic sciences*.
276. Gupta, Sujata. 2017. "Criminology: Written in blood." *Nature* 549:S24. doi:10.1038/549S24a.
277. Gupta, Varsha, Manjistha Sengupta, Jaya Prakash, and Baishnab Charan Tripathy. 2017. "Forensic Medicine." In *Basic and Applied Aspects of Biotechnology*, 373-384. Springer.
278. Hartley, Gabrielle, and Claire L Glynn. 2017. "A Comparative Analysis of Protein and Peroxidase Blood Enhancement Reagents Following Laundering and their Impact on DNA

- Recovery."
279. Holubova, R. 2017. "Physics of non-Newtonian fluids and interdisciplinary relations (biology and criminology)." *Physics Education* 53 (2):025002.
280. Hong, Sungwook, Chaewon Kim, Soyoung Jeon, and Eunhye Lee. 2017. "Preparation of Artificial Blood from the Extract of Legume Root Nodules, and the Creation of Artificial Latent Fingermarks in Blood Using Artificial Blood." *Journal of Forensic Sciences*.
281. Houck, Max M, Frank Crispino, and Terry McAdam. 2017. *The science of crime scenes*: Academic Press.
282. Klein, A, A Gehl, L Reicherdt, and C Edler. 2017. "Interpretation von Schleuderspuren im Rahmen der Blutspurenmusteranalyse." *Rechtsmedizin* 27 (2):93-97.
283. Kröll, A-K, M Kettner, P Schmidt, and F Ramsthaler. 2017. "A novel experimental approach for classifying blood trails in relation to three different speeds of movementNeuer experimenteller Ansatz zur Klassifizierung von Blutspuren in Bezug auf drei Bewegungsgeschwindigkeiten." *Rechtsmedizin* 27 (6):528-535.
284. Kumar, S Santosh, Ashish Karn, Roger EA Arndt, and Jiarong Hong. 2017. "Internal flow measurements of drop impacting a solid surface." *Experiments in Fluids* 58 (3):12.
285. Kunz, Sebastian Niko, Jiri Adamec, and Christina Grove. 2017. "Analyzing the Dynamics and Morphology of Cast-off Pattern at Different Speed Levels Using High-speed Digital Video Imaging." *Journal of Forensic Sciences* 62 (2):428-434. doi: 10.1111/1556-4029.13299.
286. Kunz, SN. 2017. "An unusual exit wound as a result of a shotgun suicide to the head." *Forensic science international* 275:e1-e5.
287. Langenburg, Glenn. 2017. "Addressing potential observer effects in forensic science: a perspective from a forensic scientist who uses linear sequential unmasking techniques \*." *Australian Journal of Forensic Sciences* 49 (5):548-563. doi: 10.1080/00450618.2016.1259433.
288. Li, Xingyu, Jingyao Li, and Stephen Michielsen. 2017. "Effect of yarn structure on wicking and its impact on bloodstain pattern analysis (BPA) on woven cotton fabrics." *Forensic Science International* 276 (Complete):41-50. doi: 10.1016/j.forsciint.2017.04.011.
289. Lin, Hancheng, Yinming Zhang, Qi Wang, Bing Li, Shuanliang Fan, and Zhenyuan Wang. 2017. "Species identification of bloodstains by ATR-FTIR spectroscopy: the effects of bloodstain age and the deposition environment." *International journal of legal medicine*:1-8.
290. Lu, Zhenyu, Stephanie A DeJong, Brianna M Cassidy, Raymond G Belliveau, Michael L Myrick, and Stephen L Morgan. 2017. "Detection Limits for Blood on Fabrics Using Attenuated Total Reflection Fourier Transform Infrared (ATR FT-IR) Spectroscopy and Derivative Processing." *Applied spectroscopy* 71 (5):839-846.
291. Macphee, Mike, and Pardeep Jasra. 2017. "Evaluation of the Capabilities and Limitations of the FARO Freestyle 3D Handheld Scanner." *Journal of Emerging Forensic Sciences Research* 2 (1):75- 80.
292. Mc Shine, S, K Suhling, A Beavil, B Daniel, and N Frascione. 2017. "The applicability of fluorescence lifetime to determine the time since the deposition of biological stains." *Analytical Methods* 9 (13):2007-2013.
293. McDonald, Teaghan. 2017. "Investigating the effect of high temperatures and substrates on the detection of human blood using the ABACard® Hematrace® kit." Murdoch University.
294. Nagesh, Deepthi, and Shayani Ghosh. 2017. "A time period study on the efficiency of luminol in the detection of bloodstains concealed by paint on different surfaces." *Forensic Science International* 275 (Complete):1-7. doi: 10.1016/j.forsciint.2017.01.028.

295. Oldfield, C., R. M. Morgan, H. F. Miles, and J. C. French. 2017. "The efficacy of luminol in detecting bloodstains that have been washed with sodium percarbonate and exposed to environmental conditions." *Australian Journal of Forensic Sciences*:1-10. doi: 10.1080/00450618.2016.1264478.
296. Pandey, Gaurav, Maithri Tharmavaram, Deepak Rawtani, Sumit Kumar, and Y Agrawal. 2017. "Multifarious applications of atomic force microscopy in forensic science investigations." *Forensic Science International*.
297. Pelletti, Guido, Sindi Visentin, Claudio Rago, Giovanni Cecchetto, and Massimo Montisci. 2017a. "Alteration of the Death Scene After Self-stabbing: A Case of Sharp Force Suicide Disguised by the Victim as a Homicide?" *Journal of Forensic Sciences* 62 (5):1395-1398. doi: 10.1111/1556-4029.13440.
298. Pelletti, Guido, Sindi Visentin, Claudio Rago, Giovanni Cecchetto, and Massimo Montisci. 2017b. "Alteration of the Death Scene After Self-stabbing: A Case of Sharp Force Suicide Disguised by the Victim as a Homicide?" *Journal of Forensic Sciences* 62 (5):1395-1398. doi: 10.1111/1556-4029.13440.
299. Pereira, José FQ, Carolina S Silva, Maria Júlia L Vieira, Maria Fernanda Pimentel, André Braz, and Ricardo S Honorato. 2017. "Evaluation and identification of blood stains with handheld NIR spectrometer." *Microchemical Journal* 133:561-566.
300. Perepechina, Irina. 2017. "Crime stain as a forensic object: Some essential aspects of examination." *Forensic Science International: Genetics Supplement Series* 6:e531-e533.
301. Pettolina, Maria, Jennifer Rainey, and Reanna Sanchez. 2017. "Using Bluestar Forensic to Detect Latent Bloodstains under Coats of Paint." *Journal of Forensic Identification* 67 (3):341.
302. Ramsthaler, Frank, Ann-Katrin Kröll, Marcel Verhoff, Christoph G. Birngruber, and Mattias Kettner. 2017. "Effect of anticoagulation therapy on drying times in bloodstain pattern analysis." *International Journal of Legal Medicine* 131 (4):955-961. doi: 10.1007/s00414-017-1599-1.
303. Rivers, David B., and Andrew McGregor. 2017. "Morphological Features of Regurgitate and Defecatory Stains Deposited by Five Species of Necrophagous Flies are Influenced by Adult Diets and Body Size." *Journal of Forensic Sciences*:n/a-n/a. doi: 10.1111/1556-4029.13459.
304. Rivers, David, and Theresa Geiman. 2017. "Insect Artifacts Are More than Just Altered Bloodstains." *Insects* 8 (2):37.
305. Rogers, Ernest, and Adam W Stern. 2017. *Veterinary Forensics: Investigation, Evidence Collection, and Expert Testimony*: CRC Press.
306. Rossi, Celestina, Lynne D Herold, Tom Bevel, Leslie McCauley, and Stephanie Guadarrama. 2017. "Cranial Backspatter Pattern Production Utilizing Human Cadavers." *Journal of forensic sciences*.
307. Samir Kumar, Bandyopadhyay, and Basu Nabanita. 2017. "Optimization of Crime Scene Reconstruction Based on Bloodstain Patterns and Machine Learning Techniques." In *Decision Management: Concepts, Methodologies, Tools, and Applications*, edited by Association Information Resources Management, 1497-1523. Hershey, PA, USA: IGI Global.
308. Siu, Sonya, Jennifer Pender, Faye Springer, Frederic Tulleners, and William Ristenpart. 2017. "Quantitative Differentiation of Bloodstain Patterns Resulting from Gunshot and Blunt Force Impacts1." *Journal of Forensic Sciences* 62 (5):1166-1179. doi:10.1111/1556-4029.13418.
309. Smith, Fiona R, Naomi C Buntsma, and David Brutin. 2017. "Roughness influence on human blood drop spreading and splashing." *Langmuir*.
310. Stotesbury, Theresa, Mike Illes, and Andrew Vreugdenhil. 2017. "High-speed video

- analysis of crown formation dynamics of controlled weapon-head impacts on to three surface types." *Canadian Society of Forensic Science Journal* 50 (2):64-73. doi: 10.1080/00085030.2017.1281628.
311. Stotesbury, Theresa, Mike Illes, Paul Wilson, and Andrew J. Vreugdenhil. 2017. "The application of silicon sol-gel technology to forensic blood substitute development: Investigation of the spreading dynamics onto a paper surface." *Forensic Science International* 275 (Complete):308- 313. doi: 10.1016/j.forsciint.2017.03.020.
312. Stotesbury, Theresa, Michael C. Taylor, and Mark C. Jermy. 2017. "Passive Drip Stain Formation Dynamics of Blood onto Hard Surfaces and Comparison with Simple Fluids for Blood Substitute Development and Assessment1 , 2." *Journal of Forensic Sciences* 62 (1):74-82. doi: 10.1111/1556-4029.13217.
313. Sun, Huimin, Yongfang Dong, Pingli Zhang, Yaoyong Meng, Wei Wen, Nan Li, and Zhiyou Guo. 2017. "Accurate Age Estimation of Bloodstains Based on Visible Reflectance Spectroscopy and Chemometrics Methods." *IEEE Photonics Journal* 9 (1):1-14.
314. van den Eeden, Claire, Christianne J de Poot, and Peter J van Koppen. 2017. "From Emergency Call to Crime Scene: Information Transference in the Criminal Investigation." *Forensic Science Policy & Management: An International Journal* 8 (3-4):79-89.
315. Wellington, Emily. 2017. "Effects of Different Haematocrit Values on Estimation of Time since Deposition of Human Blood Stains Using Diffuse Reflectance Spectroscopy." Murdoch University.
316. Wilson-Wilde, Linzi, Stephen Smith, and Eva Bruenisholz. 2017. "The Analysis of Australian Proficiency Test Data over a Ten-Year Period." *Forensic Science Policy & Management: An International Journal* 8 (1-2):55-63.
317. Wu, Jiaying. 2017. "Impact Bloodstain Patterns on Textiles."
318. Yuen, Sita K. Y., Michael C. Taylor, Glynn Owens, and Douglas A. Elliot. 2017. "The Reliability of Swipe/Wipe Classification and Directionality Determination Methods in Bloodstain Pattern Analysis." *Journal of Forensic Sciences* 62 (4):1037-1042. doi: 10.1111/1556-4029.13298.
319. Zannin, Anit. 2017. "Chapter 4: Bloodstain Pattern Analysis." In *Veterinary Forensics: Investigation, Evidence Collection, and Expert Testimony* edited by Ernest R. Rogers and Adam W. Stern. CRC Press Taylor and Francis Group.
320. Zhang, Yimeng, Qi Wang, Bing Li, Zhijun Wang, Chengzhi Li, Yao Yao, Ping Huang, and Zhenyuan Wang. 2017. "Changes in Attenuated Total Reflection Fourier Transform Infrared Spectra as Blood Dries Out1." *Journal of Forensic Sciences* 62 (3):761-767. doi: 10.1111/1556-4029.13324.

## 2012-2016

321. Adam, C. D. "Fundamental Studies of Bloodstain Formation and Characteristics." [In eng]. *Forensic Sci Int* 219, no. 1-3 (Jun 10 2012): 76-87.
322. Adam, Craig D. "Experimental and Theoretical Studies of the Spreading of Bloodstains on Painted Surfaces." *Forensic Science International* 229, no. 1 (2013): 66-74.
323. Ahmed, Gulraiz, Mathieu Sellier, Yeaw Chu Lee, Mark Jermy, and Michael Taylor. "Modelling the Spreading and Sliding of Power-Law Droplets." *Colloids and Surfaces A: Physicochemical and Engineering Aspects* (2013).
324. Akutsu, T., K. Watanabe, H. Motani, H. Iwase, and K. Sakurada. "Evaluation of Latex Agglutination Tests for Fibrin-Fibrinogen Degradation Products in the Forensic Identification of Menstrual Blood." [In eng]. *Leg Med (Tokyo)* 14, no. 1 (Jan 2012): 51-4.
325. Arthur, Ravishka M., Sarah L. Cockerton, Karla G. de Bruin, and Michael C. Taylor. "A Novel, Element-Based Approach for the Objective Classification of Bloodstain Patterns." *Forensic Science International* 257 (2015): 220-28.
326. Attinger, Daniel, Craig Moore, Adam Donaldson, Arian Jafari, and Howard A. Stone. "Fluid Dynamics Topics in Bloodstain Pattern Analysis: Comparative Review and Research Opportunities." *Forensic Science International* 231, no. 1-3 (2013): 375-96.
327. Bandyopadhyay, Samir Kumar , and Nabanita Basu. "The Intricacies Involved in the Analysis and Interpretation of Hammer Transfer Stain/S in a Crime Scene." *International Journal of Criminology and Sociology* 4 (2015): 107-18.
328. Basu, Nabanita, and Samir Kumar Bandyopadhyay. "2d Source Area Prediction Based on Physical Characteristics of a Regular, Passive Blood Drip Stain." *Forensic Science International* 266 (2016): 39-53.
329. Boyd, Samantha, Massimo F. Bertino, Dexian Ye, Lauren S. White, and Sarah J. Seashols. "Highly Sensitive Detection of Blood by Surface Enhanced Raman Scattering." *Journal of Forensic Sciences* 58, no. 3 (2013): 753-56.
330. Bremmer, R. H., K. G. de Bruin, M. J. van Gemert, T. G. van Leeuwen, and M. C. Aalders. "Forensic Quest for Age Determination of Bloodstains." [In eng]. *Forensic Sci Int* 216, no. 1-3 (Mar 10 2012): 1-11.
331. Brodbeck, Silke. "Introduction to Bloodstain Pattern Analysis." *SIAK Journal-Journal of Police Science and Practice* 2 (2012): 51-57.
332. Buck, Ursula, and Beat Kneubuehl. "Response to "3d Bloodstain Pattern Analysis: Ballistic Reconstruction of the Trajectories of Blood Drops and Determination of the Centres of Origin of the Bloodstains" by Buck Et Al. [Forensic Sci. Int. 206 (2011) 22–28]." *Forensic Science International* 220, no. 1-3 (2012): e41.
333. Camana, Francesco. "Determining the Area of Convergence in Bloodstain Pattern Analysis: A Probabilistic Approach." *Forensic Science International* 231, no. 1-3 (2013): 131-36.
334. Chang, J., and S. Michielsen. "Effect of Fabric Mounting Method and Backing Material on Bloodstain Patterns of Drip Stains on Textiles." *International Journal of Legal Medicine* 130, no. 3 (2016): 649-59.
335. Cho, Yuen, Faye Springer, Frederic A. Tulleners, and William D. Ristenpart. "Quantitative Bloodstain Analysis: Differentiation of Contact Transfer Patterns Versus Spatter Patterns on Fabric Via Microscopic Inspection." *Forensic Science International* 249, no. Complete (2015): 233-40.
336. Connolly, C., M. Illes, and J. Fraser. "Affect of Impact Angle Variations on Area of Origin Determination in Bloodstain Pattern Analysis." [In eng]. *Forensic Sci Int* 223, no. 1-3 (Nov 30 2012): 233-40.

337. Coyle, H. M. "The Importance of Scientific Evaluation of Biological Evidence--Data from Eight Years of Case Review." [In eng]. *Sci Justice* 52, no. 4 (Dec 2012): 268-70.
338. Das, R., A. Collins, A. Verma, J. Fernandez, and M. Taylor. "Evaluating Simulant Materials for Understanding Cranial Backspatter from a Ballistic Projectile." *J Forensic Sci* 60, no. 3 (2015): 627-37.
339. Davidson, P. L., M. C. Taylor, S. J. Wilson, K. A. Walsh, and J. A. Kieser. "Physical Components of Soft-Tissue Ballistic Wounding and Their Involvement in the Generation of Blood Backspatter." [In eng]. *J Forensic Sci* 57, no. 5 (Sep 2012): 1339-42.
340. Davidson, Peter L., Michael C. Taylor, Suzanne J. Wilson, Kevan A. J. Walsh, and Jules A. Kieser. "Physical Components of Soft-Tissue Ballistic Wounding and Their Involvement in the Generation of Blood Backspatter\*." *Journal of Forensic Sciences* 57, no. 5 (2012): 1339-42.
341. de Castro, T., T. Nickson, D. Carr, and C. Knock. "Interpreting the Formation of Bloodstains on Selected Apparel Fabrics." [In eng]. *Int J Legal Med* 127, no. 1 (Jan 2013): 251-8.
342. de Castro, Therese C., Michael C. Taylor, Debra J. Carr, Josie Athens, and Jules A. Kieser. "Storage Life of Whole Porcine Blood Used for Bloodstain Pattern Analysis." *Canadian Society of Forensic Science Journal* (2015): 1-12.
343. de Castro, Therese C., Michael C. Taylor, Jules A. Kieser, Debra J. Carr, and W. Duncan. "Systematic Investigation of Drip Stains on Apparel Fabrics: The Effects of Prior-Laundering, Fibre Content and Fabric Structure on Final Stain Appearance." *Forensic Science International* 250, no. Complete (2015): 98-109.
344. De Wael, K., and L. Lepot. "Morphological Details in Bloodstain Particles." *Forensic Science International* 246, no. Complete (2015): 50-54.
345. Develter, Wim, Els Jenar, Peter Claes, Dirk Vandermeulen, Wim Van de Voorde, Dries Thielemans, and Simon Volders. "Blood Pattern Analysis; a Novel Approach for Automated Determination of the Area of Origin Using an Active Bloodstain Shape Model (Absm)." *Journal of Forensic Radiology and Imaging* 1, no. 2 (2013): 78.
346. Dubyk, Michael, and Eugene Liscio. "Using a 3d Laser Scanner to Determine the Area of Origin of an Impact Pattern." *Journal of Forensic Identification* 66, no. 3 (2016): 259-72.
347. Durdle, Annalisa, R. John Mitchell, and Roland A. H. Oorschot. "The Use of Forensic Tests to Distinguish Blowfly Artifacts from Human Blood, Semen, and Saliva." *Journal of Forensic Sciences* 60, no. 2 (2015): 468-70.
348. Durdle, Annalisa, Robert John Mitchell, and Roland A. H. van Oorschot. "The Human DNA Content in Artifacts Deposited by the Blowfly Lucilia Cuprina Fed Human Blood, Semen and Saliva." *Forensic Science International* 233, no. 1-3 (2013): 212-19.
349. Durdle, Annalisa, Roland A. H. van Oorschot, and R. John Mitchell. "The Morphology of Fecal and Regurgitation Artifacts Deposited by the Blow Fly Lucilia Cuprina Fed a Diet of Human Blood." *Journal of Forensic Sciences* 58, no. 4 (2013): 897-903.
350. Edelman, G. J., E. Gaston, T. G. van Leeuwen, P. J. Cullen, and M. C. G. Aalders. "Hyperspectral Imaging for Non-Contact Analysis of Forensic Traces." *Forensic Science International* 223, no. 1 (2012): 28-39.
351. Edelman, G., V. Manti, S. M. van Ruth, T. van Leeuwen, and M. Aalders. "Identification and Age Estimation of Blood Stains on Colored Backgrounds by near Infrared Spectroscopy." [In eng]. *Forensic Sci Int* 220, no. 1-3 (Jul 10 2012): 239-44.
352. Edelman, G., T. G. van Leeuwen, and M. C. Aalders. "Hyperspectral Imaging for the Age Estimation of Blood Stains at the Crime Scene." [In eng]. *Forensic Sci Int* 223, no. 1-3 (Nov 30 2012): 72-7.
353. Farrar, A., G. Porter, and A. Renshaw. "Detection of Latent Bloodstains beneath Painted Surfaces Using Reflected Infrared Photography." [In eng]. *J Forensic Sci* 57, no. 5 (Sep 2012): 1339-42.

- 2012): 1190-8.
354. Finnis, J., J. Lewis, and A. Davidson. "Comparison of Methods for Visualizing Blood on Dark Surfaces." [In eng]. *Sci Justice* 53, no. 2 (Jun 2013): 178-86.
355. Geoghegan, P. H., C. J. Spence, J. Wilhelm, N. Kabaliuk, M. C. Taylor, and M. C. Jermy. "Experimental and Computational Investigation of the Trajectories of Blood Drops Ejected from the Nose." *Int J Legal Med* 15 (2015): 15.
356. Geoghegan, P., C. Spence, J. Wilhelm, N. Kabaliuk, M. Taylor, and M. Jermy. "Experimental and Computational Investigation of the Trajectories of Blood Drops Ejected from the Nose." *International Journal of Legal Medicine* 130, no. 2 (2016): 563-68.
357. Gray, D., N. Frascione, and B. Daniel. "Development of an Immunoassay for the Differentiation of Menstrual Blood from Peripheral Blood." [In eng]. *Forensic Sci Int* 220, no. 1-3 (Jul 10 2012): 12-8.
358. Guo, K., S. Achilefu, and M. Y. Berezin. "Dating Bloodstains with Fluorescence Lifetime Measurements." [In eng]. *Chemistry* 18, no. 5 (Jan 27 2012): 1303-5.
359. Hakim, Nashad, and Eugene Liscio. "Calculating Point of Origin of Blood Spatter Using Laser Scanning Technology." *Journal of Forensic Sciences* 60, no. 2 (2015): 409-17.
360. Hołownko, Elwira, Kamil Januszkievicz, Paweł Bolewicki, Robert Sitnik, and Jakub Michoński. "Application of Multi-Resolution 3d Techniques in Crime Scene Documentation with Bloodstain Pattern Analysis." *Forensic Science International* 267 (2016): 218-27.
361. Huang, Yun, Jing Yan, Jiayi Hou, Xiaodan Fu, Luyao Li, and Yiping Hou. "Developing a DNA Methylation Assay for Human Age Prediction in Blood and Bloodstain." *Forensic Science International: Genetics* 17, no. Complete (2015): 129-36.
362. Illes, M., and M. Boue. "Robust Estimation for Area of Origin in Bloodstain Pattern Analysis Via Directional Analysis." [In eng]. *Forensic Sci Int* 226, no. 1-3 (Mar 10 2013): 223-9.
363. Illes, M., and T. Stotesbury. "Development of an Application Method for a Zone Stain Selection Model in Bloodstain Pattern Analysis." *Canadian Society of Forensic Science Journal* (2015): 1- 7.
364. Illes, Mike, Cathy Bruce, Theresa Stotesbury, and Robyne Hanley-Dafoe. "Novel Technological Approaches for Pedagogy in Forensic Science: A Case Study in Bloodstain Pattern Analysis." *Forensic Science Policy & Management: An International Journal* 7, no. 3-4 (2016/12/06 2016): 87-97.
365. Johnson, Donald J., Cheryl Andersen, Katherine A. Scriven, Amberly N. Klein, Mo Re Choi, Cindy Carroll, and Ray D. Leon. "A Molecular Method to Correlate Bloodstains with Wound Site for Crime Scene Reconstruction1." *Journal of Forensic Sciences* 59, no. 3 (2014): 735-42.
366. Joris, Philip, Wim Develter, Els Jenar, Paul Suetens, Dirk Vandermeulen, Wim Van de Voorde, and Peter Claes. "Hemovision: An Automated and Virtual Approach to Bloodstain Pattern Analysis." *Forensic Science International* 251, no. Complete (2015): 116-23.
367. Kabaliuk, N., M. C. Jermy, K. Morison, T. Stotesbury, M. C. Taylor, and E. Williams. "Blood Drop Size in Passive Dripping from Weapons." [In eng]. *Forensic Sci Int* 228, no. 1-3 (May 10 2013): 75-82.
368. Kabaliuk, N., M. C. Jermy, E. Williams, T. L. Laber, and M. C. Taylor. "Experimental Validation of a Numerical Model for Predicting the Trajectory of Blood Drops in Typical Crime Scene Conditions, Including Droplet Deformation and Breakup, with a Study of the Effect of Indoor Air Currents and Wind on Typical Spatter Drop Trajectories." *Forensic Sci Int* 18 (2014): 107-20.
369. ——. "Experimental Validation of a Numerical Model for Predicting the Trajectory of Blood Drops in Typical Crime Scene Conditions, Including Droplet Deformation and Breakup, with a Study of the Effect of Indoor Air Currents and Wind on Typical Spatter Drop Trajectories." [In Eng]. *Forensic Sci Int* 245C (Oct 18 2014): 107-20.

370. Karchewski, Laurie, Gail Armstrong, Mary Lou Nicholson, and Della Wilkinson. "Assessment of the Leeds Spectral Vision System for Detecting Biological Stains on Fabrics." *Canadian Society of Forensic Science Journal* 47, no. 4 (2014): 230-43.
371. Kettner, M., A. Schmidt, M. Windgassen, P. Schmidt, C. Wagner, and F. Ramsthaler. "Impact Height and Wall Distance in Bloodstain Pattern Analysis—What Patterns of Round Bloodstains Can Tell Us." *International Journal of Legal Medicine* 129, no. 1 (2015): 133-40.
372. Kim, Sungu, Yuan Ma, Prashant Agrawal, and Daniel Attinger. "How Important Is It to Consider Target Properties and Hematocrit in Bloodstain Pattern Analysis?". *Forensic Science International* 266 (2016): 178-84.
373. Kneubuehl, B. P. "Maximum Flight Velocity of Blood Drops in Analysing Blood Traces." [In eng]. *Forensic Sci Int* 219, no. 1-3 (Jun 10 2012): 205-7.
374. Kowalske, Zack. "Casting Bloodstain Patterns: Accutrans Versus Mikrosil." *Journal of Forensic Identification* 66, no. 5 (2016): 381-87.
375. Kunz, S. N., J. Adamec, T. Gilg, C. Kaiser, O. Peschel, and M. M. Schulz. "Visualisierung Latenter Blutspuren." *Rechtsmedizin* 22, no. 1 (2012): 61-72.
376. Kunz, S. N., H. Brandtner, and H. Meyer. "Unusual Blood Spatter Patterns on the Firearm and Hand: A Backspatter Analysis to Reconstruct the Position and Orientation of a Firearm." [In eng]. *Forensic Sci Int* 228, no. 1-3 (May 10 2013): e54-7.
377. Kunz, S. N., H. Brandtner, and H. J. Meyer. "Characteristics of Backspatter on the Firearm and Shooting Hand--an Experimental Analysis of Close-Range Gunshots." *J Forensic Sci* 60, no. 1 (2015): 166-70.
378. Kunz, Sebastian Niko, Tina Klawonn, and Christina Grove. "Möglichkeiten Und Grenzen Der Forensischen Blutspurenmusterverteilungsanalyse." *Wiener Medizinische Wochenschrift* 164, no. 17-18 (2014): 358-62.
379. Laan, N., K. G. de Bruin, D. Slenter, J. Wilhelm, M. Jermy, and D. Bonn. "Bloodstain Pattern Analysis: Implementation of a Fluid Dynamic Model for Position Determination of Victims." [In eng]. *Sci Rep* 5 (2015): 11461.
380. Laan, Nick, Rolf H. Bremmer, Maurice C. G. Aalders, and Karla G. Bruin. "Volume Determination of Fresh and Dried Bloodstains by Means of Optical Coherence Tomography." *Journal of Forensic Sciences* 59, no. 1 (2014): 34-41.
381. Laber, T. L. , P. E. Kish, M C Taylor, G. W. Owen, N. Osborne, and J. Curran. "Reliability Assessment of Current Methods in Bloodstain Pattern Analysis." National Institute of Justice, 2014.
382. Laber, T. L., M C Taylor, and P. E. Kish. "The Reliability of Current Methods of Sequencing Bloodstain Patterns." *The Journal of Bloodstain Pattern Analysis* 30, no. 1 (2014): 10.
383. Langer, S. V., and M. Illes. "Confounding Factors of Fly Artefacts in Bloodstain Pattern Analysis." *Canadian Society of Forensic Science Journal* (2015): 1-10.
384. Larkin, Bethany A. J., and Craig E. Banks. "Bloodstain Pattern Analysis: Looking at Impacting Blood from a Different Angle." *Australian Journal of Forensic Sciences* 45, no. 1 (2013):85-102.
385. ———. "Preliminary Study on the Effect of Heated Surfaces Upon Bloodstain Pattern Analysis." *Journal of Forensic Sciences (Wiley-Blackwell)* 58, no. 5 (2013): 1289-96.
386. Lazarjan, Milad Soltanipour, Patrick Henry Geoghegan, Mark Christopher Jermy, and Michael Taylor. "Experimental Investigation of the Mechanical Properties of Brain Simulants Used for Cranial Gunshot Simulation." *Forensic Science International* 239, no. Complete (2014):73-78.
387. Lech, Karolina, Katrin Ackermann, Andreas Wollstein, Victoria L. Revell, Debra J. Skene, and Manfred Kayser. "Assessing the Suitability of Mirna-142-5p and Mirna-541 for Bloodstain Pattern Analysis Bibliography Revision 4 Updated April 8, 2021 Page 28 of 76

- Bloodstain Deposition Timing." *Forensic Science International: Genetics* 12, no. Complete (2014):181-84.
388. Lee, W. C., B. E. Khoo, A. F. Bin Abdullah, and Z. B. Abdul Aziz. "Statistical Evaluation of Alternative Light Sources for Bloodstain Photography." [In eng]. *J Forensic Sci* 58, no. 3 (May 2013): 658-63.
389. Lee, Wee Chuen, Ahmad Fahmi Lim Abdullah, and Bee Ee Khoo. "Forensic Bloodstain Imaging: A Digital Method for Stain Enhancement and Background Reduction." *Australian Journal of Forensic Sciences* 47, no. 1 (2015): 116-24.
390. Li, Bo, Peter Beveridge, William T. O'Hare, and Meez Islam. "The Age Estimation of Blood Stains up to 30days Old Using Visible Wavelength Hyperspectral Image Analysis and Linear Discriminant Analysis." *Science & justice : journal of the Forensic Science Society* 53, no. 3 (2013): 270-77.
391. Li, Jingyao, Xingyu Li, and Stephen Michielsen. "Alternative Method for Determining the Original Drop Volume of Bloodstains on Knit Fabrics." *Forensic Science International* 263 (2016): 194-203.
392. Miles, H. F., R. M. Morgan, and J. E. Millington. "The Influence of Fabric Surface Characteristics on Satellite Bloodstain Morphology." *Science & Justice* 54, no. 4 (2014): 262-66.
393. Osborne, Nikola K. P., Michael C. Taylor, Matthew Healey, and Rachel Zajac. "Bloodstain Pattern Classification: Accuracy, Effect of Contextual Information and the Role of Analyst Characteristics." *Science & Justice* 56, no. 2 (2016): 123-28.
394. Osborne, Nikola K. P., Michael C. Taylor, and Rachel Zajac. "Exploring the Role of Contextual Information in Bloodstain Pattern Analysis: A Qualitative Approach." *Forensic Science International* 260 (2016): 1-8.
395. Park, Chan-Seong, Chun-Hwa Ihm, Nam-Soo Cho, and Nak-Eun Chung. "Application of Volume- of-Fluid Method to Analyze the Viscosity Effect on the Spine Formation of Bloodstains." *Journal of Forensic Sciences* 59, no. 6 (2014): 1552-58.
396. Park, Seong-Min, Seong-Yeon Park, Jeong-Hwan Kim, Tae-Wook Kang, Jong-Lyul Park, Kwang- Man Woo, Jong-Sik Kim, et al. "Genome-Wide Mrna Profiling and Multiplex Quantitative Rt-Pcr for Forensic Body Fluid Identification." *Forensic science international. Genetics* 7, no. 1 (2013): 143-50.
397. Passi, Neha, Rakesh Kumar Garg, Mukesh Yadav, Ram Sarup Singh, and Magdy A. Kharoshah. "Effect of Luminol and Bleaching Agent on the Serological and DNA Analysis from Bloodstain." *Egyptian Journal of Forensic Sciences* 2, no. 2 (2012): 54-61.
398. Pizzola, P. A., J. M. Buszka, N. Marin, N. D. Petraco, and P. R. De Forest. "Commentary on "3d Bloodstain Pattern Analysis: Ballistic Reconstruction of the Trajectories of Blood Drops and Determination of the Centres of Origin of the Bloodstains" by Buck Et Al. [Forensic Sci. Int. 206 (2011) 22-28]." [In eng]. *Forensic Sci Int* 220, no. 1-3 (Jul 10 2012): e39-40; author reply e41.
399. Praska, N., and G. Langenburg. "Reactions of Latent Prints Exposed to Blood." [In eng]. *Forensic Sci Int* 224, no. 1-3 (Jan 10 2013): 51-8.
400. Qi, B., L. Kong, and Y. Lu. "Gender-Related Difference in Bloodstain Rna Ratio Stored under Uncontrolled Room Conditions for 28 Days." [In eng]. *J Forensic Leg Med* 20, no. 4 (May 2013): 321-5.
401. Ramsthaler, F., P. Schmidt, R. Bux, S. Potente, C. Kaiser, and M. Kettner. "Drying Properties of Bloodstains on Common Indoor Surfaces." [In eng]. *Int J Legal Med* 126, no. 5 (Sep 2012): 739- 46.
402. Ramsthaler, Frank, J. Schlotte, C. Wagner, J. Fiscina, and M. Kettner. "The Ring Phenomenon of Diluted Blood Droplets." *International Journal of Legal Medicine* 130, no. 3 (2016): 731-

- 36.
403. S, Brodbeck. "Sicherung Von Blut-, Dakyloskopischen Und DNA-Spuren Unter Erschwerten Bedingungen - Das Flüssiglatexlifting Zur Sicherung Von Spuren Nach Brand." *Kriminalistik* (2012): 349-52.
404. Sakurada, Koichi, Tomoko Akutsu, Ken Watanabe, and Mineo Yoshino. "Identification of Nasal Blood by Real-Time Rt-Pcr." *Legal medicine (Tokyo, Japan)* 14, no. 4 (2012): 201-04.
405. Sant, S. P., and S. I. Fairgrieve. "Exsanguinated Blood Volume Estimation Using Fractal Analysis of Digital Images." [In eng]. *J Forensic Sci* 57, no. 3 (May 2012): 610-7.
406. Schuler, R. L., P. E. Kish, and C. A. Plese. "Preliminary Observations on the Ability of Hyperspectral Imaging to Provide Detection and Visualization of Bloodstain Patterns on Black Fabrics." [In eng]. *J Forensic Sci* 57, no. 6 (Nov 2012): 1562-9.
407. Schyma, Christian, Burkhard Madea, and Cornelius Courts. "Persistence of Biological Traces in Gun Barrels after Fatal Contact Shots." *Forensic science international. Genetics* 7, no. 1 (2013): 22-27.
408. Seashols, Sarah J., Heather D. Cross, Danielle L. Shrader, and Ashley Rief. "A Comparison of Chemical Enhancements for the Detection of Latent Blood." *Journal of Forensic Sciences* 58, no. 1 (2013): 130-33.
409. Sikirzytskaya, Aliaksandra, Vitali Sikirzytski, and Igor K. Lednev. "Raman Spectroscopic Signature of Vaginal Fluid and Its Potential Application in Forensic Body Fluid Identification." *Forensic Science International* 216, no. 1 (2012): 44-48.
410. Sikirzytski, Vitali, Aliaksandra Sikirzytskaya, and Igor K. Lednev. "Advanced Statistical Analysis of Raman Spectroscopic Data for the Identification of Body Fluid Traces: Semen and Blood Mixtures." *Forensic Science International* 222, no. 1 (2012): 259-65.
411. Soderquist, Thomas J., Olivia M. Chesniak, Matthew R. Witt, Alan Paramo, Victoria A. Keeling, and Jason J. Keleher. "Evaluation of the Catalytic Decomposition of H<sub>2</sub>O<sub>2</sub> through Use of Organo-Metallic Complexes – a Potential Link to the Luminol Presumptive Blood Test." *Forensic Science International* 219, no. 1 (2012): 101-05.
412. Sterzik, V., and M. Bohnert. "Reconstruction of Crimes by Infrared Photography." *International Journal of Legal Medicine* 130, no. 5 (2016): 1379-85.
413. Stotesbury, T., M. Illes, P. Wilson, and A. Vreugdenhil. "A Commentary on Synthetic Blood Substitute Research and Development." *Journal of Bloodstain Pattern Analysis* 31, no. 2 (2015): 3-6.
414. Stotesbury, Theresa, Cathy Bruce, Mike Illes, and Robyne Hanley-Dafoe. "Design Considerations for the Implementation of Artificial Fluids as Blood Substitutes for Educational and Training Use in the Forensic Sciences." *Forensic Science Policy & Management: An International Journal* 7, no. 3-4 (2016/12/06 2016): 81-86.
415. Stotesbury, Theresa, M. Illes, and Andrew Vreugdenhil. "The Physical Effects of Acid Yellow 7 Chemical Enhancement on Impact Pattern Area of Origin Estimation." *Canadian Society of Forensic Science* 45, no. 1 (2012): 22-35.
416. Stotesbury, Theresa, Mike Illes, Mark Jermy, Michael Taylor, Julie Wilhelm, and Andrew Vreugdenhil. "Three Physical Factors That Affect the Crown Growth of the Impact Mechanism and Its Implications for Bloodstain Pattern Analysis." *Forensic Science International* 266 (2016): 254-62.
417. Stotesbury, Theresa, Mike Illes, and Andrew J. Vreugdenhil. "An Impact Velocity Device Design for Blood Spatter Pattern Generation with Considerations for High-Speed Video Analysis." *Journal of Forensic Sciences (Wiley-Blackwell)* 61, no. 2 (2016): 501-08.
418. Suwa, Nagisa, Hiroshi Ikegaya, Tomokazu Takasaka, Koichi Nishigaki, and Koichi Sakurada. "Human Blood Identification Using the Genome Profiling Method." *Legal medicine (Tokyo, Japan)* 14, no. 3 (2012): 121-25.

419. SWGSTAIN. "Guidelines for Report Writing in Bloodstain Pattern Analysis." (2012).
420. Tak, Yu Kyung, Won Young Kim, Min Jung Kim, Eunyoung Han, Myun Soo Han, Jong Jin Kim, Wook Kim, Jong Eun Lee, and Joon Myong Song. "Highly Sensitive Polymerase Chain Reaction- Free Quantum Dot-Based Quantification of Forensic Genomic DNA." *Analytica Chimica Acta* 721, no. 0 (2012): 85-91.
421. Taylor, Michael C., Terry L. Laber, Paul E. Kish, Glynn Owens, and Nikola K. P. Osborne. "The Reliability of Pattern Classification in Bloodstain Pattern Analysis, Part 1: Bloodstain Patterns on Rigid Non-Absorbent Surfaces." *Journal of Forensic Sciences (Wiley-Blackwell)* 61, no. 4 (2016): 922-27.
422. Taylor, Michael C., Terry L. Laber, Paul E. Kish, Glynn Owens, and Nikola K. P. Osborne. "The Reliability of Pattern Classification in Bloodstain Pattern Analysis, Part 2: Bloodstain Patterns on Fabric Surfaces." *Journal of Forensic Sciences (Wiley-Blackwell)* 61, no. 6 (2016): 1461-66.
423. Vandewoestyne, Mado, Trees Lepez, David Van Hoofstat, and Dieter Deforce. "Evaluation of a Visualization Assay for Blood on Forensic Evidence." *Journal of Forensic Sciences* 60, no. 3 (2015): 707-11.
424. Vitiello, Autilia, Ciro Di Nunzio, Luciano Garofano, Maurizio Saliva, Pietrantonio Ricci, and Giovanni Acampora. "Bloodstain Pattern Analysis as Optimisation Problem." *Forensic Science International* 266 (2016): e79-e85.
425. Wang, Zheng, Haibo Luo, Xiongfei Pan, Miao Liao, and Yiping Hou. "A Model for Data Analysis of Microrna Expression in Forensic Body Fluid Identification." *Forensic science international. Genetics* 6, no. 3 (2012): 419-23.
426. William Ristenpart, Fred Tulleners, Sonya Siu, Jennifer Saifi, Faye Springer. "Quantitative Analysis of High Velocity Bloodstain Patterns." U.S. Department of Justice: National Institute of Justice, 2013.
427. Williams, Elisabeth M. P., Margaret Dodds, Michael C. Taylor, Jingyao Li, and Stephen Michielsen. "Impact Dynamics of Porcine Drip Bloodstains on Fabrics." *Forensic Science International* 262 (2016): 66-72.
428. Zajac, Rachel, Niki Osborne, LeeAnn Singley, and Michael Taylor. "Contextual Bias: What Bloodstain Pattern Analysts Need to Know." *Journal of Bloodstain Pattern Analysis* 31, no. 2 (2015): 7-16.
429. Zbieć-Piekarska, Renata, Magdalena Spólnicka, Tomasz Kupiec, Żanetta Makowska, Anna Spas, Agnieszka Parys-Proszek, Krzysztof Kucharczyk, Rafał Płoski, and Wojciech Branicki. "Examination of DNA Methylation Status of the Elov12 Marker May Be Useful for Human Age Prediction in Forensic Science." *Forensic Science International: Genetics* 14, no. Complete (2015): 161-67.

## 2007-2011

430. Adair, T.W., R. Gabel, S. Shimamoto, and R. Tewes. "A Comparison of the Luminol and Blue Star Blood Reagents in Detecting Blood in Soil Nearly Four Years after Deposition." *I.A.B.P.A Newsletter*, no. December (2008).
431. Adair, T.W., S. Shimamoto, R. Tewes, and R. Gabel. "Detecting Blood Patterns in Soil with Luminol Two Years after Deposition." *International Association of Bloodstain Pattern Analysts News* 23, no. 1 (2007): 14-19.
432. Aikman, R.L., and D.R Foran. "Nucleic Acid Based Methods for Assessing the Age of Bloodstains." In *60th Anniversary Meeting of the American Academy of Forensic Sciences*. Washington, D.C., 2008.
433. Ampanozi, G., U. Preiss, G. M. Hatch, W. D. Zech, T. Ketterer, S. Bolliger, M. J. Thali, and T. D. Ruder. "Fatal Lower Extremity Varicose Vein Rupture." [In eng]. *Leg Med (Tokyo)* 13, no. 2 (Mar 2011): 87-90.
434. Anderson, Stacey E, G.R Hobbs, and C.P. Bishop. "Multivariate Analysis for Estimating the Age of a Bloodstain.". *Journal of Forensic Sciences* 56, no. 1 (2011): 186-93.
435. Attane, P., F. Girard, and V. Morin. "An Energy Balance Approach for the Dynamics of Drop Impact on a Solid Surface." *Physics of Fluids* 19 (2007): 102-19.
436. Au, Catherine, Hayley Jackson-Smith, Ignacio Quinones, B. J. Jones, and Barbara Daniel. "Wet Powder Suspensions as an Additional Technique for the Enhancement of Bloodied Marks." *Forensic Science International* 204, no. 1–3 (2011): 13-18.
437. Bailey, James A. "Enhancing Bloody Footwear Impressions: Infrared Photography Compared to Amido Black Treatment." In *A Presentation before the 59th Annual Meeting of the American Academy of Forensic Sciences*. San Antonio, Texas, 2007.
438. Baker, David J., Eileen A. Grimes, and Andrew J. Hopwood. "D-Dimer Assays for the Identification of Menstrual Blood." *Forensic Science International* 212, no. 1 (2011): 210-14.
439. Behrooz, N., L. Hulse-Smith, and S. Chandra. "An Evaluation of the Underlying Mechanisms of Bloodstain Pattern Analysis Error." [In eng]. *J Forensic Sci* 56, no. 5 (Sep 2011): 1136-42.
440. Bevel, T., and R.M. Gardner. *Bloodstain Pattern Analysis: With an Introduction to Crime Scene Reconstruction* Third ed. Boca Raton: CRC Press, 2008.
441. Bhardwaj, R., and D. Attinger. "Non-Isothermal Wetting During Impact of Millimeter Size Water Drop on a Flat Substrate: Numerical Investigation and Comparison with High Speed Visualization Experiments." *International Journal of Heat and Fluid Flow* 29 (2008): 1422-35.
442. Bhardwaj, R., X. Fang, P. Somasundaran, and D. Attinger. "Self-Assembly of Colloidal Particles from Evaporating Droplets: Role of DLvo Interactions and Proposition of a Phase Diagram." *Langmuir* 26, no. 11 (2010): 7833-42.
443. Bhardwaj, R., J.P. Longtin, and D. Attinger. "Interfacial Temperature Measurements, High- Speed Visualization and Finite-Element Simulations of Droplet Impact and Evaporation on a Solid Surface." *International Journal Heat Mass transfer* 53, no. 19-20 (2010): 3733-44.
444. ——. "A Numerical Investigation on the Influence of Liquid Properties and Interfacial Heat Transfer During Microdroplet Deposition onto a Glass Substrate." *International Journal Heat Mass transfer* 50 (2007): 2912-23.
445. Bittencourt, E.A.A., J.A. Soares-Vieira, N.G. Angeramis, C.E. da Silva, da Rocha Hirschfeld, and E.S.M. Iwamura. "The Analysis of Biological Samples from Crime Scene for a Future Human DNA Profile Confrontation. Effects of Presumptive Test Reagents on the Ability to Obtain Str Profiles for Human Identification. ." *Forensic Science International: Genetics Supplement Series* 2 (2009): 194-95.

446. Boonkhong, K., M. Karnjanadecha, and P. Aiyarak. "Impact Angle Analysis of Bloodstains Using a Simple Image Processing Technique.". *Songklanakarin J. Sci. Technol.* 32, no. 2 (2010):169-73.
447. Bossers, L. C., C. Roux, M. Bell, and A. M. McDonagh. "Methods for the Enhancement of Fingermarks in Blood." [In eng]. *Forensic Sci Int* 210, no. 1-3 (Jul 15 2011): 1-11.
448. Bremmer, R. H., S. C. Kanick, N. Laan, A. Amelink, T. G. van Leeuwen, and M. C. Aalders. "Non- Contact Spectroscopic Determination of Large Blood Volume Fractions in Turbid Media." [In eng]. *Biomed Opt Express* 2, no. 2 (2011): 396-407.
449. Bremmer, R. H., A. Nadort, T. G. van Leeuwen, M. J. van Gemert, and M. C. Aalders. "Age Estimation of Blood Stains by Hemoglobin Derivative Determination Using Reflectance Spectroscopy." [In eng]. *Forensic Sci Int* 206, no. 1-3 (Mar 20 2011): 166-71.
450. Brodbeck, S.M.C. "Blutspurenmusteranalytische Tatortbearbeitung Und Gutachtenerstellung." *Strafrechtsreport StRR*, no. 3 (2010): 97-102.
451. ——. "Die Physikalischen Und Biologischen Grundlagen Der Blutspurenmusteranalyse." *Strafrechtsreport StRR*, no. 1 (2010): 17-21.
452. ——. "Die Terminologie Der Blutspurenmusteranalyse." *Strafrechtsreport StRR*, no. 3 (2010): 55-61.
453. ——. "Reflections Upon Arteries and Veins - a Plea for "Spurt Patterns"." *International Association of Bloodstain Pattern Analysts News* 23, no. 2 (2007): 4-14.
454. Brooke, H., M. R. Baranowski, J. N. McCutcheon, S. L. Morgan, and M. L. Myrick. "Multimode Imaging in the Thermal Infrared for Chemical Contrast Enhancement. Part 3: Visualizing Blood on Fabrics." [In Eng]. *Anal Chem* (Sep 23 2010).
455. Brooke, Heather, Megan R. Baranowski, Jessica N. McCutcheon, Stephen L. Morgan, and Michael L. Myrick. "Multimode Imaging in the Thermal Infrared for Chemical Contrast Enhancement. Part 1: Methodology." *Analytical Chemistry* 82, no. 20 (2010/10/15 2010): 8412- 20.
456. Brownson, D. A. C., and C. E. Banks. "Crime Scene Investigation: The Effect of Drug Contaminated Bloodstains on Bloodstain Pattern Analysis." *Analytical Methods* 2, no. 12 (2010): 1885-89.
457. Bucht, Rebecca E., F. Kammerman, and P.R. De Forest. "Blood on Black Using Polarised Light to Enhance Bloodstains on Dark, Dielectric Surfaces." In *A presentation before the 60th Anniversary Meeting of the American Academy of Forensic Sciences*. Washington, D.C., 2008.
458. Buck, U., B. Kneubuehl, S. Nather, N. Albertini, L. Schmidt, and M Thali. "3d Bloodstain Pattern Analysis: Ballistic Reconstruction of the Trajectories of Blood Drops and Determination of the Centres of Origin of the Bloodstains." *Forensic Science International* 206 (2011): 22-28.
459. Byard, R. W., D. Veldhoen, C. Manock, and J. D. Gilbert. "Blood Stain Pattern Interpretation in Cases of Fatal Haemorrhage from Ruptured Varicose Veins." *J Forensic Leg Med* 14, no. 3 (2007): 155-8.
460. Carr, D. J., and A. Wainwright. "Variability of Simulants Used in Recreating Stab Events." *Forensic Science International* 210, no. 1-3 (2011): 42-46.
461. Introduction to Rotations Overview in Compendium of Backtrack™ Peterborough, Ontario.
462. Castello, A., F. Frances, D. Corella, and F. Verdú. "Active Oxygen Doctors the Evidence." *Naturwissenschaften* 96 (2009): 303-07.
463. Castello, A., F. Frances, and F. Verdu. "Bleach Interferences in Forensic Luminol Tests on Porous Surfaces: More About the Drying Time Effect." *Talanta* 77 (2009): 1555-57.
464. Cecchetto, B, and W Heidrich. "Probabilistic Inverse Dynamics for Blood Pattern

- Reconstruction." *Vision, Modeling, and Visualization Eurographics Association* (2011):369-76.
465. Chafe, F. "The Tangent Method and Spreadsheets: Determining Point or Area of Origin in Bloodstain Pattern Analysis." *International Association of Bloodstain Pattern Analysis News* (2007).
466. Cook, R. "The Use of Luminol to Detect Human Blood and Cow's Liver Blood Testing Variables Such as Substrate, Age of Stain and Human Vs Cow's Liver Blood." 2007.
467. Cullen, S., A. Otto, and P.N. Cheetham. "Chemical Enhancement of Bloody Footwear Impressions from Buried Substrates." *Jounral of Forensic Identification* 60, no. 1 (2010):45-86.
468. de Almeida, J. P., N. Glesse, and C. Bonorino. "Effect of Presumptive Tests Reagents on Human Blood Confirmatory Tests and DNA Analysis Using Real Time Polymerase Chain Reaction." [In eng]. *Forensic Sci Int* 206, no. 1-3 (Mar 20 2011): 58-61.
469. de Bruin, K. G., R. D. Stoel, and J. C. Limborgh. "Improving the Point of Origin Determination in Bloodstain Pattern Analysis." [In eng]. *J Forensic Sci* 56, no. 6 (Nov 2011): 1476-82.
470. De Forest, P.R., R. E. Bucht, F. Kammerman, W. Brooke, and L. Gunderson. "Blood on Black- Enhanced Visualization of Bloodstains on Dark Surfaces." 2009.
471. De Wael, K., L. Lepot, F. Gason, and B. Gilbert. "In Search of Blood- Detection of Minute Particles Using Spectroscopic Methods." *Forensic Science International* 180 (2008): 37-42.
472. Deegan, R D, and et al. "Complexities of Splashing." *Nonlinearity* 21, no. 1 (2008): C1.
473. Deng, Q., A.V. Anilkumar, and T.G. Wang. "The Role of Viscosity and Surface Tenstion in Bubble Entrapment Druring Drop Impact onto a Deep Liquid Pool." *Journal of Fluid Mechanics* 578 (2007): 119-38.
474. Denison, D., A. Porter, M. Mills, and R.C. Schroter. "Forensic Implications of Respiratory Derived Blood Spatter Distributions." *Forensic Science International* 204 (2011): 144-55.
475. Det. Lt. Paonessa, NA. "Bloodstains of Gettysburg: The Use of Chemiluminescent Blood Reagents to Visualize Bloodstains of Historical Significance." *International Association of Bloodstain Pattern Analysis News*, no. March (2008).
476. Doberentz, E., L. Hagemeier, C. Veit, and B. Madea. "Unattended Fatal Haemorrhage Due to Spontaneous Peripheral Varicose Vein Rupture--Two Case Reports." [In eng]. *Forensic Sci Int* 206, no. 1-3 (Mar 20 2011): e12-6.
477. Donaldson, A. E., N. K. Walker, I. L. Lamont, S. J. Cordiner, and M. C. Taylor. "Characterising the Dynamics of Expirated Bloodstain Pattern Formation Using High-Speed Digital Video Imaging." *Int J Legal Med* 125, no. 6 (2011): 757-62.
478. Donaldson, A., M.C. Taylor, S.J. Cordiner, and I.L. Lamont. "Using Oral Microbial DNA Analysis to Identify Expirated Bloodspatter." *Int. J. Leg. Med.* 124 (2010): 569-76.
479. Duncan, C. "Bloodstain Photography." *International Association of Bloodstain Pattern Analysts News* 23, no. 1 (2007): 4-13.
480. El-Sayed, Meerna, Dale A. C. Brownson, and Craig E. Banks. "Crime Scene Investigation II: The Effect of Warfarin on Bloodstain Pattern Analysis." *Analytical Methods* 3, no. 7 (2011): 1521-24.
481. Farrugia, K. J., K. A. Savage, H. Bandey, T. Ciufsza, and N. Nic Daeid. "Chemical Enhancement of Footwear Impressions in Blood on Fabric - Part 2: Peroxidase Reagents." [In eng]. *Sci Justice* 51, no. 3 (Sep 2011): 110-21.
482. Farrugia, Kevin J., Kathleen A. Savage, Helen Bandey, and Niamh Nic Daéid. "Chemical Enhancement of Footwear Impressions in Blood on Fabric – Part 1: Protein Stains." *Science & justice : journal of the Forensic Science Society* 51, no. 3 (2011): 99-109.
483. Fujikawa, A., L. Barksdale, and D.O. Carter. "Calliphora Vicina (Diptera: Calliphoridae) and Bloodstain Pattern Analysis Bibliography Revision 4

- Their Ability to Alter the Morphology and Presumptive Chemistry of Bloodstain Patterns." *Journal of Forensic Identification* 59, no. 5 (2009).
484. Fujikawa, A., L. Barksdale, L. G. Higley, and D. O. Carter. "Changes in the Morphology and Presumptive Chemistry of Impact and Pooled Bloodstain Patterns by Lucilia Sericata (Meigen) (Diptera: Calliphoridae)." [In eng]. *J Forensic Sci* 56, no. 5 (Sep 2011): 1315-8.
485. Fujimoto, H., Y. Shiotani, A. Tong, T. Hama, and H. Takuda. "Three-Dimensional Numerical Analysis of the Deformation Behavior of Droplets Impinging onto a Solid Substrate." *International Journal of Multiphase Flow* 33 (2007): 317-32.
486. Grosse Perdekamp, M., H. Nadjem, J. Merkel, R. Braunwarth, S. Pollak, and A. Thierauf. "Two- Gun Suicide by Simultaneous Shots to the Head: Interdisciplinary Reconstruction on the Basis of Scene Investigation, Autopsy Findings, Gsr Analysis and Examination of Firearms, Bullets and Cartridge Cases." [In eng]. *Int J Legal Med* 125, no. 4 (Jul 2011): 479-85.
487. Große Perdekamp, M., S. Pollak, A. Thierauf, E. Straßburger, M. Hunzinger, and B. Vennemann. "Experimental Simulation of Reentry Shots Using a Skin-Gelatine Composite Model." *International Journal of Legal Medicine* 123, no. 5 (2009): 419-25.
488. Guena, G, C Poulard, and A M Cazabat. "The Leading Edge of Evaporating Droplets." *Journal of Colloid and Interface Science* 312 (2007): 164-71.
489. Hanson, E.K., and J. Ballantyne. "A Blue Spectral Shift of the Hemoglobin Soret Band Correlates with Age (Time since Deposition) of Dried Bloodstains.". *PLoS ONE* 5, no. 9 (2010): 1-11.
490. Hill, T.S. "Using a Photographic Grid for the Documentation of Bloodstain Patterns at a Crime Scene." *Journal of Forensic Identification* 57, no. 3 (2007): 348-57.
491. Hortola, P. "Generating 3d and 3d-Like Animations of Uneven Surface Microareas of Bloodstains from Small Series of Partially out-of-Focus Digital Sem Micrographs." *Micron* 41 (2010): 1-6.
492. ——. "Using Digital Anaglyphy to Improve the Relief Effect of Sem Micrographs." *Micron* 40 (2009): 409-12.
493. ——. "Using Digital Colour to Increase the Realistic Appearance of Sem Micrographs of Bloodstains." *Micron* 41 (2010): 904-08.
494. Howard, M.C., and M. Nessan. "Detecting Bloodstains under Multiple Layers of Paint.". *Journal of Forensic Identification* 60, no. 6 (2010): 682-717.
495. Hulse-Smith, L., and M. Illes. "A Blind Trial Evaluation of a Crime Scene Methodology for Deducting Impact Velocity and Droplet Size from Circular Bloodstains." *Journal of Forensic Sciences* 52, no. 1 (2006 2007): 65-69.
496. Hurley, I.P., R. Cook, C.W. Laughton, N.A. Pickles, H.E. Ireland, and J.H.H. Williams. "Detection of Human Blood by Immunoassay for Application in Forensic Analysis." *Forensic Science International* 190 (2009): 91-97.
497. IABPA. "International Association of Bloodstain Pattern Analysts Bloodstain Pattern Analysis Basic Course Course Requirements." *International Association of Bloodstain Pattern Analysts News* (2009): 1-6.
498. Illes, M. "Investigation of a Model for Stain Selection and a Robust Estimation for Area of Origin in Bloodstain Pattern Analysis." Masters, Trent University, 2011.
499. Illes, M., and M. Boue. "Investigation of a Model for Stain Selection in Bloodstain Pattern Analysis." *Canadian Society of Forensic Science* 44, no. 1 (2011): 1-12.
500. Illes, M., I. Dalley, P. E. Kish, M.C. Taylor, and A.B. Yamashita. "Bloodstain Pattern Analysis Part 1: Training and Education." *Canadian Society of Forensic Science* 43, no. 1 (2010): 31-37.
501. Illes, MB. "Diagrams for the Determination of X Value on a Single Y Rotation and Z Rotation ". Peterborough, Ontario., 2008.

502. Ishihama, K., S. Iida, H. Koizumi, T. Wada, T. Adachi, E. Isomura-Tanaka, T. Yamanishi, A. Enomoto, and M. Kogo. "High Incidence of Blood Exposure Due to Imperceptible Contaminated Splatters During Oral Surgery." *Journal of Oral and Maxillofacial Surgery* 66, no. 4 (2008): 704- 10.
503. Jones, A.W. "Evidence-Based Survey of the Elimination Rates of Ethanol from Blood with Applications in Forensic Casework.". *Forensic Science International* 200 (2010).
504. Joshi, P., and H.S. Dhami. "Trend Analysis of Generalized Hypergeometric Functions." *International Journal of Computer Applications* 13, no. 5 (2011): 26-31.
505. Karger, B., S. Rand, T. Fracasso, and H. Pfeiffer. "Bloodstain Pattern Analysis-- Casework Experience." [In eng]. *Forensic Sci Int* 181, no. 1-3 (Oct 25 2008): 15-20.
506. Kettner, M., F. Ramsthaler, and A. Schnabel. ""Bubbles"-a Spot Diagnosis." *Journal of Forensic Sciences* 55, no. 3 (2010): 842-44.
507. Kim, J-H, S I Ahn, J H Kim, and W-C Zin. "Evaporation of Water Droplets on Polymer Surfaces." *Langmuir* 23 (2007): 6163-69.
508. Knock, C, and M. Davison. "Predicting the Position of the Source of Blood Stains for Angled Impacts." *Journal of Forensic Science* 52, no. 5 (2007): 1044-49.
509. Laber, T.L., B.P. Epstein, and M.C. Taylor. "High Speed Digital Video Analysis of Bloodstain Pattern Formation from Common Bloodletting Mechanisms." *I.A.B.P.A Newsletter*, no. June (2008): 4-12.
510. Latham, Holly M. "Reasoning, the Scientific Method, and Bloodstain Pattern Analysis – Assuring That the Questions Are Being Answered Correctly." *Journal of Forensic Identification* 61, no. 4 (2011): 333-40.
511. ———. "Using and Articulating the Scientific Method in Bloodstain Pattern Analysis." *Journal of Forensic Identification* 61, no. 5 (2011): 487-94.
512. Li, B., P. Beveridge, W. T. O'Hare, and M. Islam. "The Estimation of the Age of a Blood Stain Using Reflectance Spectroscopy with a Microspectrophotometer, Spectral Pre-Processing and Linear Discriminant Analysis." [In eng]. *Forensic Sci Int* 212, no. 1-3 (Oct 10 2011): 198-204.
513. Li, Bo, Peter Beveridge, William T. O'Hare, and Meez Islam. "The Estimation of the Age of a Blood Stain Using Reflectance Spectroscopy with a Microspectrophotometer, Spectral Pre-Processing and Linear Discriminant Analysis." *Forensic Science International* 212, no. 1-3 (2011): 198-204.
514. Lim, J A, W H Lee, H S Lee, J H Lee, Y D Park, and K Cho. "Self-Organization of Ink-Jet-Printed Triisopropylsilyl lethynyl Pentacene Via Evaporation-Induced Flows in a Drying Droplet." *Advanced functional materials* 18 (2008): 229-34.
515. Liscio, E. "Guide to Capturing Photographs of Bloodstains for 3d Measurement." *International Association of Bloodstain Pattern Analysis News*, no. March (2009).
516. Luche, Christoher, Ralph. Jordan, and Tony. Larkin. "Recovery of Bloodstain Patterns from Arson Scenes: Does Soot Removal Using Liquid Latex Damage Underlying Bloodstains? ." *Journal of Society of Forensic Science* 44, no. 2 (2011): 47-58.
517. *Mahmood Vs the State of Western Australia*, (2007).
518. Maloney, A., C. Nicloux, K. Maloney, and F. Heron. "One Sided Impact Spatter and Area-of- Origin Calculations ". *Journal of Forensic Identification* 61, no. 2 (2011): 123-35.
519. Maloney, K., J. Killeen, and A. Maloney. "The Use of Hemospat to Include Bloodstains Located on Nonorthogonal Surfaces in Area-of-Origin Calculations." *Journal of Forensic Identification* 59, no. 5 (2009): 513-24.
520. Middlestead, C., and J.I. Thornton. "Sensitivity of the Luminol Test with Blue Denim." *Journal of Forensic Sciences* 55, no. 5 (2010): 1340-42.
521. Miller, Marilyn T. "Eyewitnesses, Physical Evidence, and Forensic Science: A Case Study

- Ofstate of North Carolina V. James Alan Gell." *Victims & Offenders* 3, no. 2-3 (2008): 142-49.
522. Morgan-Smith, R.K., D.A. Elliot, and H. Adam. "Enhancement of Aged Shoeprints in Blood." *Journal of Forensic Identification* 59, no. 1 (2009): 45-50.
523. Nam, Y., and Y. S. Ju. "Bubble Nucleation on Hydrophobic Islands Provides Evidence to Anomalously High Contact Angles of Nanobubbles." [In English]. *Applied Physics letters* 93, no. 10 (Sep 2008): 3.
524. Nordby, J.J. "Misplaced Method in the Science of Murder." In *Scientific Method: Applications in Failure Investigation and Forensic Science*, edited by R.K. Noon. Science International Forensic Science Series, 155-72. Boca Rotan, FL: CRC Press, 2009.
525. Nowack, L., R. Collins, G. Li, A.L. Carter, M. Illes, V. Gorman, S. Larocque, T. Stotesbury, and B. Yamashita. "Computer Analysis of Bloodstain Patterns on Angled Surfaces." *Journal of Bloodstain Pattern Analysts* 27, no. 3 (2011): 17-28.
526. Paik, S. W., K. D. Kihm, S. P. Lee, and D. M. Pratt. "Spatially and Temporally Resolved Temperature Measurements for Slow Evaporating Sessile Drops Heated by a Microfabricated Heater Array." *Journal of Heat Transfer-Transactions of the Asme* 129, no. 8 (Aug 2007): 966- 76.
527. Peschel, O, S Kunz, M Rothschild, and E Mützel. "Blood Stain Pattern Analysis." *Forensic Science, Medicine, and Pathology* 7, no. 3 (2011): 257-70.
528. Peschel, O., M.A. Rothschild, and E. Mutzel. "Blutspuren Bei Schussverletzungen." *Rechtsmedizin* 20 (2010): 91-97.
529. Pex, J.O. "The Identification and Significance of Hemospheres in Crime Scene Investigation." *I.A.B.P.A Newsletter*, no. March (2009).
530. Power, D. A., S. J. Cordiner, J. A. Kieser, G. R. Tompkins, and J. Horswell. "Pcr-Based Detection of Salivary Bacteria as a Marker of Expirated Blood." [In eng]. *Sci Justice* 50, no. 2 (Jun 2010): 59-63.
531. Randall, Brad. "Blood and Tissue Spatter Associated with Chainsaw Dismemberment." *Journal of Forensic Sciences* 54, no. 6 (2009): 1310-14.
532. Ristenpart, W. D., P. G. Kim, C. Domingues, J Wan, and H A Stone. "Influence of Substrate Conductivity on Circulation Reversal in Evaporating Drops." *Physical Review Letters* 99 (2007): 234502.
533. Rosina, J., E. Kvasnak, D. Suta, H. Kolarova, J. Malek, and L. Krajci. "Temperature Dependence of Blood Surface Tension." [In eng]. *Physiol Res* 56 Suppl 1 (2007): S93-8.
534. Ruslander, H.W. "Convergence." *Evidence Technology Magazine*, 2008.
535. S, Brodbeck. "The Latex Lifting Method for the Recovery of Blood, DNA and Dermal Ridge Evidence in Arson Cases." *Journal of Bloodstain Pattern Analysis* (2011): 3-7.
536. SA, Forensic Science. "The Recognition of Expirated Bloodstain Patterns on Fabrics." 2007.
537. Saviano, J., A. Allgood, and Z. Malone. "Using Multiple Void Patterns at Crime Scenes to Estimate the Area of Origin in Bloodstain Cases." *Journal of the Association for Crime Scene Reconstruction* 16, no. 3 (2010): 19-26.
538. Simoncic, B., Rozman, V. "Wettability of Cotton Fabric by Aqueous Solutions of Surfactants with Different Structures." *Colloids and Surfaces A: Physicochemical and Engineering Aspects* 292, no. 2-3 (2006 2007): 236-45.
539. SMC, Brodbeck. "Blutspurenmusteranalyse." *Kriminalistik* (2011).
540. ——. "Einführung in Die Blutspurenmusteranalyse." *SIAK* (2011).
541. Smit, B. "Photomicrography and Fluid Dynamics Relating to Bloodstains on Fabric.", The University of Auckland, 2008.
542. Stirman, B., A. Fujikawa, L. Barksdale, and D.O. Carter. "Alternation of Expirated Bloodstain Patterns by *Calliphora Vicina* and *Lucilia Sericiata* (Diptera:Calliphoridae) through Ingestion and Deposition of Artifacts ". *Journal of Forensic Sciences* 56, no. S1 (2011): S123-S27.

543. *Strengthening Forensic Science in the United States: A Path Forward*. edited by Committee on Applied and Theoretical Statistics & National Research Council Committee on Identifying the Needs of the Forensic Science Community Washington, DC: The National Academy of Sciences, 2009.
544. SWGSTAIN. "Scientific Working Group on Bloodstain Pattern Analysis: Guidelines for the Minimum Educational and Training Requirements for Bloodstain Pattern Analysts." *Forensic Science Communications* 10, no. 1 (2008): 1-10.
545. ——. "Scientific Working Group on Bloodstain Pattern Analysis: Recommended Terminology." *I.A.B.P.A Newsletter*, no. June (2008).
546. ——. "Scientific Working Group on Bloodstain Pattern Analysis: Topics to Consider in Preparation for an Admissibility Hearing on Bloodstain Pattern Analysis ". *Forensic Science Communications* 10, no. 1 (2008).
547. Taylor, M. C., T. L. Laber, B. P. Epstein, D. S. Zamzow, and D. P. Baldwin. "The Effect of Firearm Muzzle Gases on the Backspatter of Blood." *International Journal of Legal Medicine* (2010): 1- 12.
548. Taylor, M., Wells, J. & Ross, E. "Design and Construction of a Bloodstain Pattern Analysis Laboratory." *International Association of Bloodstain Pattern Analysis News* 23, no. 3 (2007): 15- 21.
549. Thoroddsen, S.T., T.G. Etoh, and K. Takehara. "Experiments on Bubble Pinch -Off." *Physics of Fluids* 19 (2007): 1-29.
550. Thoroddsen, S.T., T.G. Etoh, and K. Takehara. *High-Speed Imaging of Drops and Bubbles*. Annual Review of Fluid Mechanics. 40 ed. 2008.
551. Tobe, S.S., N. Watson, and N.N. Dae' id. "Evaluation of Six Presumptive Tests for Blood, Their Specificity, Sensitivity, and Effect on High Molecular-Weight DNA." *Journal of Forensic Science* 52, no. 1 (2007): 102-09.
552. Tontarski, K.L., K.A. Hoskins, T.G. Watkins, L. Brun-Conti, and A.L. Michaud. "Chemical Enhancement Techniques of Bloodstain Patterns and DNA Recovery after Fire Exposure." *Journal of Forensic Science* 54, no. 1 (2009): 37-48.
553. Tronnberg, R., E. Silenieks, and K. Both. "The Recognition of Expirated Bloodstain Patterns on Cotton Fabrics." edited by Forensic Science SA. Adelaide: Government of South Australia, 2007.
554. Varney, C.R., and F. Gittes. "Locating the Source of Projectile Fluid Drops." *Popular Physics- physics.pop-ph* 1 (2011): 1-6.
555. Vaughn, J. "The Effects of Bluestar on the Kastle-Meyer Presumptive Test for Blood." *Journal of Forensic Identification* 61, no. 1 (2011): 38-49.
556. Veldhoen, D. "Detection Limits of Saligae to Identify Amylase in Expirated Bloodstain Patterns." Australia: SAPOL, 2007.
557. Villermaux, E. "Fragmentation." *Annu. Rev. Fluid Mechanics* 39 (2007): 419-46.
558. Virkler, K., and I.K. Lednev. "Analysis of Bodily Fluids for Forensic Purposes: From Laboratory Testing to Non-Destructive Rapid Confirmatory Identification at a Crime Scene.". *Forensic Science International* 188 (2009): 1-17.
559. Wang, M.J, F.H. Lin, Y.L. Hung, and S.Y. Lin. "Dynamic Behaviors of Droplet Impact and Spreading: Water on Five Different Substrates." *Langmuir* 25 (2009): 6772-80.
560. Whittle, K., J. Kieser, I. Ichim, M. Swain, N. Waddell, and V. Livingstone. "The Biomechanical Modelling of Non-Ballistic Skin Wounding: Blunt-Force Injury." *Forensic Sci. Med. Pathol.* 4 (2008): 33-39.
561. Widjaja, E, and M. T. Harris. "Numerical Study of Vapor Phase-Diffusion Driven Sessile Drop Evaporation." *Computers and Chemical Engineering* 32 (2008): 2169-78.
562. ——. "Particle Deposition Study During Sessile Drop Evaporation." *AIChE journal* 54,

- no. 9 (2008): 2250-60.
563. Widjaja, E, N. Liu, M. Li, R. T. Collins, O. A. Basaran., and M. T. Harris. "Dynamics of Sessile Drop Evaporation: A Comparison of the Spine and the Elliptic Mesh Generation Methods." *Computers and Chemical Engineering* 31 (2007): 219-32.
564. Wiegand, P., C. Heimbold, R. Klein, U. Immel, D. Stiller, and M. Klntschar. "Transfer of Biological Stains from Different Surfaces." *Int J Legal Med* 125, no. 5 (2011): 727-31.
565. Winterich, D.R. "Documenting Bloodstain Patterns through Roadmapping." *Forensic Magazine*, 2009.
566. Wu, Y., Y. Hu, J. Cai, S. Ma, X. Wang, Y. Chen, and Y. Pan. "Time-Dependent Surface Adhesive Forence and Morphology of Rbc Measured by Afm.". *Micron* 40 (2009): 359-64.
567. Xiao, R., X. Zhao, X. Zhu, and L. Zhang. "Distinguishing Bloodstains from Botanic Stains Using Digital Infrared Photography.". *Journal of Forensic Identification* 60, no. 5 (2010): 524-31.
568. Xu, Y., W. Jiang, Y. Ping, G. Bi, L. K. Chen, and H. G. Zhou. "Determination of Bloodstain Formation Time by Rna Analysis." *Journal of Forensic Medicine* 26, no. 5 (2010): 340-42.
569. Xue, M, Y Heichal, S Chandra, and J Mostaghimi. "Modeling the Impact of a Molten Metal Droplet on a Soild Surface Using Variable Interfacial Thermal Contact Resistance." *Journal of Materials Science* 42 (2007): 9-18.
570. Zhang, J., N. Yoganandan, F.A. Pintar, Y. Guan, and T.A. Gennarelli. "Experimental Model for Civilian Ballistic Brain Injury Biomechanics Quantification." *Journal of Biomechanics* 40, no. 10 (2007): 2341-46.
571. "Zoonotic Disease Prevention." The University of Arizona,  
<http://www.iacuc.arizona.edu/training/swine/hand.html>.

## 2002-2006

572. Adair, T.W. "Casting Two-Dimensional Bloody Shoe Prints from Concrete, Fabric, and Human Skin: A Review of Several Methods with Recommendations." *International Association of Bloodstain Pattern Analysts News* 21, no. 1 (2005): 4-8.
573. ——. "Experimental Detection of Blood under Painted Surfaces." *International Association of Bloodstain Pattern Analysts News* 22, no. 1 (2006): 12-19.
574. Adair, T.W., and R.L. Shaw. "Enhancement of Bloodstains on Washed Clothing Using Luminol and Lcv Reagents." *International Association of Bloodstain Pattern Analysts News* 21, no. 4 (2005): 4-10.
575. Adair, T.W., S. Shimamoto, R. Tewes, and R. Gabel. "The Use of Luminol to Detect Blood in Soil One Year after Deposition." *International Association of Bloodstain Pattern Analysts News* 22, no. 3 (2006): 4-7.
576. Adermann, D. "High Speed Video 101." Australia: Measurement & Analysis Camera Systems Pty Ltd, 2004.
577. Akin, L.L. "Blood Spatter Interpretation at Crime and Accident Scenes." *FBI Law Enforcement Bulletin* 74, no. 2 (2005): 21-24.
578. ——. "Blood Spatter Interpretation at Crime and Accident Scenes: A Step by Step Guide for Medicolegal Investigators." <http://www.onsceneforensics.com>.
579. ——. "Blood Spatter Interpretation at Crime Scenes." *The Forensic Examiner* (2005): 6-10.
580. ——. "A Blood Spatter Primer." *Blue Line* 17, no. 9 (2005): 14-15.
581. ——. "Interpretation of Blood Spatter for Defense Attorneys and Investigators: Part I." *The Champion* 26, no. may (2005).
582. Anderson, S., B. Howard, G.R Hobbs, and C.P. Bishop. "A Method for Determining the Age of a Bloodstain." *Forensic Science International* 148 (2005): 37-45.
583. Anon. "Luminol - Footprints in the Dark." *PSDB FINGERPRINT DEVELOPMENT AND IMAGING PROGRAMME UPDATE* 6 (2003): 3.
584. Attinger, Daniel, and Dimos Poulikakos. "On Quantifying Interfacial Thermal Resistance and Surface Energy During Molten Microdroplet Surface Deposition." *Journal of Atomization and Spray* 13, no. 218 (2003): 309-19.
585. Ayirala, S.C., C.S. Vijapurapu, and D.N. Rao. "Beneficial Effects of Wettability Altering Surfactants in Oil-Wet Fractured Reservoirs." *Journal of Petroleum Science and Engineering* 52 (2006): 261-74.
586. Barksdale, L., E. Sims, and C. Vo. "Knife Impression Bloodstain Patterns." 2005.
587. Bartolo, D., C. Josserand, and D. Bonn. "Singular Jets and Bubbles in Drop Impact." *Physical Review Letters* 96, no. 12 (2006// 2006): 1-4.
588. Bartz, H.F. "Estimating Original Bloodstain Volume: The Development of a New Technique Relating Volume and Surface Area." 1-42. Sudbury, Ontario: Laurentian University, 2003.
589. Basso, W. "Review of Bloodstain Pattern Analysis: Theory and Practice by S.James, P. Kish, and P. Sutton." *Journal of the Canadian Society of Forensic Science* 38, no. 3 (2005): 179-80.
590. Bauer, Martin, Silke Polzin, and Dieter Patzelt. "Quantification of Rna Degradation by Semi- Quantitative Duplex and Competitive Rt-Pcr: A Possible Indicator of the Age of Bloodstains?". *Forensic Science International* 138, no. 1-3 (2003): 94-103.
591. Bayer, I S, and C M Megaridis. "Contact Angle Dynamics in Droplets Impacting on Flat Surfaces with Different Wetting Characteristics." *Journal of Fluid Mechanics* 558 (2006): 415-49.
592. Bell, J.T. , and E.L. Gilkerson. "The Enhancement of Bloody Impressions: Adobe Photoshop Vs. Chemical Vs. Photographic Methodologies." Paper presented at the A Presentation

- before the 90th International Association of Identification International Educational Conference, Dallas, Texas, August 7-12 2005.
593. Benecke, M; Barksdale, L. "Distinction of Bloodstain Patterns from Fly Artifacts." *Forensic Science International* 137 (2003): 152-59.
594. Benecke, Mark, S. Reibe, P. von Doetinchem, P. Boehme, A. Scholten, A. Schulz, and A. Gericke. "Paradoxical Effects of Surface Structure and Drop Height on Blood Stain Pattern Formation." In *A Presentation before the 57th Annual Meeting of the American Academy of Forensic Sciences*. New Orleans, Louisiana, 2005.
595. Bergeron, J. "Development of Bloody Prints on Dark Surfaces with Titanium Dioxide and Methanol." *Journal of Forensic Identification* 53, no. 2 (2003): 149-61.
596. Bernstein, E. "Science in Bloodstain Pattern Analysis." *International Association of Bloodstain Pattern Analysts News* 21, no. 4 (2005): 16-19.
597. Bettilyon, Albert D. "Bloodstain Pattern Analysis in Homicide Cold Case Investigations." In *Cold Case Homicides: Practical Investigative Techniques*, edited by Richard H. Walton. 463-76. Boca Raton, Florida: CRC Press/Taylor & Francis Group, 2006.
598. Bily, Christopher, and Helene Maldonado. "The Application of Luminol to Bloodstains Concealed by Multiple Layers of Paint." *Journal of Forensic Identification* 56, no. 6 (2006): 896- 905.
599. Black, John P. "Contradiction of Suspect's Statements Using Bloodstain Analysis." In *International Association for Identification*. Las Vegas, Nevada, 2002.
600. Blum, L.J., P. Esperanca, and S. Rocquefelte. "A New High-Performance Reagent and Procedure for Latent Bloodstain Detection Based on Luminol Chemiluminescence." *Journal of the Canadian Society of Forensic Science* 39, no. 3 (2006): 81-100.
601. Brady, T., and J. Tigmo. "Extreme Temperature Effects on Bloodstain Pattern Analysis." *International Association of Bloodstain Pattern Analysts News* 18, no. 2 (2002): 3-20.
602. Bratton, R.M. "Book Review: Bloodstain Pattern Analysis with an Introduction to Crime Scene Reconstruction Second Edition." *Journal of Forensic Identification* 52, no. 4 (2002): 477-79.
603. Bray, T., N. Stenlake, and S. Armitage. "Fluorescein Vs. Luminol and Leuco Crystal Violet (Lcv) as an Alternative for Bloodstain Detection." Paper presented at the Proceedings of the 17th International Symposium on the Forensic Sciences, Wellington, NZ., march 28-April 2 2004.
604. Byard, R.W., D. Veldhoen, and J.D. Gilbert. "Blood Spatter Interpretation in Cases of Fatal Hemorrhage from Ruptured Varicose Veins ". Adelaide, Australia Forensic Science Centre, 2006.
605. Cachile, M, O Benichou, and A M Cazabat. "Evaporating Droplets of Completely Wetting Liquids." *Langmuir* 18 (2002): 7985.
606. Cachile, M, O Benichou, C Poulard, and A M Cazabat. "Evaporating Droplets." *Langmuir* 18 (2002): 8070.
607. Caldwell, J. P., and N. D. Kim. "Extension of the Color Suite Available for Chemical Enhancement of Fingerprints in Blood." [In eng]. *J Forensic Sci* 47, no. 2 (Mar 2002): 332-40.
608. Carlson, D.L. "Blood Spatters Tell Tales of True Crime." *Law Times*, 2002.
609. Carter, A. L. "The Physics of Bloodstain Pattern Analysis": Carleton University, Ottawa, 2005.
610. Carter, A. L. , J. Forsythe-Erman, V. Hawkes, M. Illes, P. Laturnus, G. Lefebvre, C. Stewart, and B. Yamashita. "Validation of the Backtrack<sup>tm</sup> Suite of Programs for Bloodstain Pattern Analysis." *Journal of Forensic Identification* 56, no. 2 (2006): 242-54.
611. Carter, A. L., M. Illes, K. Maloney, A.B. Yamashita, B. Allen, B. Brown, G. Davidson, et al. "Further Validation of the Backtrack<sup>TM</sup> Computer Program for Bloodstain Pattern Analysis - Precision and Accuracy." *International Association of Bloodstain Pattern Analysts News* 21, no. 3 (2005): 15-22.

612. Carter, A.L. "Bloodstain Pattern Analysis" <http://www.physics.carleton.ca/~carter/index.html>.
613. Castello, A., M. Alvarez, and F. Verdú. "Accuracy, Reliability, and Safety of Luminol in Bloodstain Investigation." *Journal of the Canadian Society of Forensic Science* 35, no. 3 (2002): 113-21.
614. Chafe, F. . "Determination of Impact Angle Using Mathematical Properties of the Ellipse." *International Association of Bloodstain Pattern Analysts News* 19, no. 1 (2003): 5-9.
615. Cheatham, C.S. & Flach N.W. "A National Survey of Police Exposure to Bloodstain Pattern Analysis." In, *International Association of Bloodstain Pattern Analysis News* (2003).
616. Chen, Q., Y. Li, and J.P. Longtin. "Real-Time Laser-Based Measurement of Interface Temperature During Droplet Impingement on a Cold Surface." *International Journal Heat and Mass transfer* 46, no. 5 (2003): 879-88.
617. Chu, K C, and D Attinger. "Visualization and Measurements of Microdroplet Dynamics on a Curved Substrate." Paper presented at the 4th ASME-JSME Joint Fluids Engineering conference, Honolulu, Hawaii, July 6-11 2003.
618. Clanet, C., C. Be?guin, D. Richard, and D. Que?re? "Maximal Deformation of an Impacting Drop." *Journal of Fluid Mechanics* 517 (2004/// 2004): 199-208.
619. Clark, K. "Differentiating High Velocity Blood Spatter Patterns, Expirated Bloodstains, and Insect Activity." *International Association of Bloodstain Pattern Analysis News*, no. September(2006).
620. Collins, Rachel, and B. Yamashita. "Bloodstain Pattern Analysis on Angled Surfaces." In *A Presentation before the 88th International Educational Conference Sponsored by the International Association for Identification*. Ottawa, Ontario, Canada, 2003.
621. Colorado V Self [2004] 03cr1450 Division 10, (2004).
622. Creamer, J. I., T. I. Quickenden, L. B. Crichton, P. Robertson, and R. A. Ruhayel. "Attempted Cleaning of Bloodstains and Its Effect on the Forensic Luminol Test." [In eng]. *Luminescence* 20, no. 6 (Nov-Dec 2005): 411-3.
623. Creamer, J.I., T.I. Quickenden, M.V. Apanah, K.A. Kerr, and P. Robertson. "A Comprehensive Experimental Study of Industrial Domestic and Environmental Interferences with the Forensic Luminol Test for Blood." *Luminescence* 2003, no. 4 (2003): 193-98.
624. Creamer, J.I., T.I. Quickenden, L.B. Crichton, P. Robertson, and R.A. Ruhayel. "Attempted Cleaning of Bloodstains and Its Effect on the Forensic Luminol Test." *Journal of Luminescence* 20 (2005): 411-13.
625. David Cullen Bain V R [2003] Nzca 294, Tipping J (2003).
626. de Gennes, P.G., F. Brochard-Wyart, and D. Quéré. *Capillary and Wetting Phenomena - Drops, Bubbles, Pearls, Waves*. United States of America: Springer Science and Business Media Inc., 2002.
627. Deleo, Michael. "Bloodstain Pattern Analysis." *Law and Order* 50, no. 11 (2002): 43-47.
628. Det. Lt. Paonessa, NA. "Blood, Fire and Water: The Murder of Isabella Cox." *I.A.B.P.A Newsletter*, no. March (2005).
629. Diaczuk, P.J., Z. Herschman, P.A. Pizzola, and P.R. De Forest. "A New Experimental Model for Evaluating Mechanisms of Gunshot Spatter." In *Abstracts from the 99th Semianual Seminar of the California Association of Criminalists*, 33: CAC News, 2002.
630. Dilbeck, L. "Use of Bluestar Forensic in Lieu of Luminol at Crime Scenes ". *Journal of Forensic Identification* 56, no. 5 (2006): 706-20.
631. Dong, H., W.W. Carr, and J.F Morris. "An Experimental Study of Drop-on-Demand Drop Formation." *Physics of Fluids* 18 (2006): 1-16.
632. Doshi, P., I. Cohen, W. W. Zhang, M. Siegel, P. Howell, O. A. Basaran, and S. R. Nagel.

- "Persistence of Memory in Drop Breakup: The Breakdown of Universality." *Science* 302, no. 5648 (2003): 1185-88.
633. Eggers, J. "A Brief History of Drop Formation." Chap. 1 In *Nonsmooth Mechanics and Analysis*, edited by P. Alart, O. Maisonneuve and R.T. Rockafellar. 163. Bristol, United Kingdom: Springer, 2006.
634. ——. "Drop Formation - an Overview." In *Annual GAMM Conference*, 400-10. Dresden/Germany: University Walk, Bristol, United Kingdom, 2005.
635. Elliot, A. "Chemical Substance Investigation: Luminol." 2003.
636. Epstein, B.P. "Review Of: Principles of Bloodstain Pattern Analysis: Theory and Analysis." *Journal of Forensic Science* 51, no. 2 (2006): 462.
637. Fawehinmi, O.B., P.H. Gaskell, P.K. Jimack, N. Kapur, and H.M Thompson. "A Combined Experimental and Computational Fluid Dynamics Analysis of the Dynamics of Drop Formation." *Proceedings of the Institution of Mechanical Engineers* 219 (2005): 933-47.
638. FBI, FBI Laboratory Division. "Examiner Training Program for Bloodstain Pattern Analysts." 1-A. 10. Washington. DC: Federal Bureau Of Investigation, 2004.
639. ——. "Procedure for the Analysis of Bloodstain Pattern Evidence." 1-27: FBI, 2004.
640. Fenton, T.W., J.L. deJong, and R.C. Haut. "Punched with a Fist: The Etiology of a Fatal Depressed Cranial Fracture." *Journal of Forensic Science* 48, no. 2 (2003): 1-4.
641. Francis V. R [2004] Nzca 137, 137 McGrath J (2004).
642. Fratini, P., Floris, T., Pierni, M., Talamelli, L. & Garofano, L. "Bpa Analysis as a Useful Tool to Reconstruct Crime Dynamics - Part 1." *International Congress Series* (2006).
643. Frojmovic, M., G. Nash, and S.L. Diamond. "Cell Aggregation and Cell Adhesion in Flow." *Scientific Subcommittee on Biorheology of the Scientific and Standardization Committee of the International Society on Thrombosis and Haemostasis* (2002).
644. Fujita, Y., K. Tsuchiya, S. Abe, Y. Takiguchi, S. Kubo, and H. Sakurai. "Estimation of the Age of Human Bloodstains by Electron Paramagnetic Resonance Spectroscopy: Long-Term Controlled Experiment on the Effects of Environmental Factors." *Forensic Science International* 152 (2005): 39-43.
645. Gardner, R.M. "Defining a Methodology for Bloodstain Pattern Analysis." *Journal of Forensic Identification* 56, no. 4 (2006): 549-57.
646. ——. "Defining the Diameter of the Smallest Parent-Stain Produced by a Drip." *Journal of Forensic Identification* 56, no. 2 (2006): 210-21.
647. ——. "Directionality in Swipe Patterns." *Journal of Forensic Identification* 52, no. 5 (2002): 579-93.
648. Garrison, D. "Bloodstain Pattern Analysis-the Discipline Everyone Should Understand." *Evidence Technology Magazine*, 2005, 12-15.
649. Girodet, P., P. Vaslin, M. Dabonneville, and Lacouture P. "Two-Dimensional Kinematic and Dynamic Analysis of a Karate Straight Punch." *Computer Methods in Biomechanics and Biomedical Engineering Supplement* 1 (2005): 117-18.
650. Gong, S. "Spreading of Droplets Impacting on Smooth Solid Surface." *Japanese Journal of Applied Physics* 44, no. 5A (2005): 3323-24.
651. Graham, G. "Probing Clues Revealed by Stains and Stain Patterns." *The Magnolia Print: Mississippi Division International Association for Identification* 13, no. 3 (2004): 1,3-5.
652. Guena, G, C Poulard, M Voue, J De Connick, and A M Cazabat. "Evaporation of Sessile Liquid Droplets." *Colloids and Surfaces A: Physicochem. Eng. Aspects* 291 (2006): 191-96.
653. Haller, K.K., D. Poulikakos, Y. Ventikos, and P. Monkevitz. "Shock Wave Formation in Droplet Impact on a Rigid Surface: Lateral Liquid Motion and Multiple Wave Structure in the Contact Line Region." *Journal of Fluid Mechanics* 490 (2003): 1-14.

654. Hanson, D. "Bloodstain Pattern Analysis - Recreating the Scene of the Crime." *Law Enforcement Technology*, 2004, 84-90.
655. *Hillstead V the Queen*, (2005).
656. Hu, H, and R G Larson. "Analysis of Microfluid Flow in an Evaporating Sessile Droplet." *Langmuir* 21 (2005): 3963-71.
657. ——. "Evaporation of a Sessile Droplet on a Substrate." *Journal of Physical Chemistry B* 106 (2002): 1334-44.
658. Huang, H. "Non-Newtonian Effects on Ink-Jet Droplet Formation." *NAW 5/6* 1 (2005): 63-68.
659. Hulse-Smith, L., N.Z. Mehdizadeh, and S. Chandra. "Deducing Drop Size and Impact Velocity from Circular Bloodstains." *Journal of Forensic Science* 50, no. 1 (2005): 1-10.
660. Illes, M. B., A. L. Carter, P. Latternus, and B. Yamashita. "Use of the Backtrack™ Computer Program for Bloodstain Pattern Analysis of Stains from Downward-Moving Drops." *Journal of the Canadian Society of Forensic Science* 38, no. 4 (2005): 213-18.
661. James, S. H., P. E. Kish, and T. P. Sutton. *Principles of Bloodstain Pattern Analysis: Theory and Practice*. Translated by Paul Erwin. Sutton Kish, T. Paulette. Boca Raton, Fla: CRC Press, 2005.
662. James, S.H. , and J.J. Nordby. *Forensic Science : An Introduction to Scientific and Investigative Techniques*. 2nd ed. Boca Raton, Fla.: CRC Press, 2005. 2nd ed.
663. James, S.H., P.E. Kish, and P. Sutton. "Bloodstain Patterns Produced by Arterial and Expiratory Mechanisms." 2003.
664. Jia, W, and HH Qiu. "Fringe Probing of an Evaporating Micro Droplet on a Hot Surface." *Int. J. Heat and Mass Transfer* 45 (2002): 4141-50.
665. Josserand, C., L. Lemoyne, R. Troeger, and S. Zaleski. "Droplet Impact on a Dry Surface: Triggering the Splash with a Small Obstacle." *Journal of Fluid Mechanics* 524 (2005): 47-56.
666. Kanable, R. "Backtrack Going Forward." *Law Enforcement Technology*, 2006, 40-45.
667. Karger, B., R. Nusse, and T. Bajanowski. "Backspatter on the Firearm and Hand in Experimental Close-Range Gunshots to the Head." *The American Journal of Forensic Medicine and Pathology* 23, no. 3 (2002): 211-13.
668. Kim, H-Y, S-Y Park, and K Min. "Imaging the High-Speed Impact of Microdrop on Solid Surface." *Review of Scientific Instruments* 74, no. 11 (2003): 4930.
669. Kim, Ho-Young. "Disengagement of a Pendent Liquid Drop from a Vibrating Ceiling, Paper 32530." In *Proceedings of Imece 2002, Asme International Mechanical Engineering Congress, Nov. 17-22, New Orleans, La.* 1-6, 2002.
670. Kish, P.E., T.P. Sutton, and S.H. James. *Principles of Bloodstain Pattern Analysis: Theory and Practice* 3ed. Boca Raton: CRC Press, 2005.
671. Kneubuehl, B.P., and M.J. Thali. "The Evaluation of a Synthetic Long Bone Structure as a Substitute for Human Tissue in Gunshot Experiments." *Forensic Science International* 138 (2003): 44-49.
672. Lefebvre, G. "Creating Luminol Photographs with Digital Imaging." *International Association of Bloodstain Pattern Analysts News* 21, no. 2 (2005): 4-7.
673. Leonas, K.K. "Using Lscm to Study the Barrier Effectiveness of Textiles Used in Medical Protective Apparel." *Microscopy Microanalysis* 10, no. 2 (2004).
674. Liesegang, J. "Bloodstain Pattern Analysis - Blood Source Location." *Journal of the Canadian Society of Forensic Science* 37, no. 4 (2004 2004): 215-22.
675. Little, C. "Three Homicides Prosecuted Sucessfully with the Help of a Fluoresceine Blood Detecting Process." Santa Cruz Sheriff's Office, 2002.
676. Luxford, Geoffrey, David W. Hammond, and Paul Ivey. "Modelling, Imaging and Measurement of Distortion, Drag and Break-up of Aircraft-Icing Droplets." In *43 rd AIAA Bloodstain Pattern Analysis Bibliography Revision 4* Updated April 8, 2021 Page 44 of 76

- Aerospace Sciences Meeting and Exhibit 1-12.* Reno, Nevada: American Institute of Aeronautics and Astronautics 2005.
677. MacDonell, H.L. "Another Confusing Bloodstain Pattern." *International Association of Bloodstain Pattern Analysts News* 20, no. 3 (2004): 11-15.
678. MacDonell, H.L. email, 7/12/04 2004.
679. *Mallard V the Queen [2003] Wasca 296 (3 December 2003)*, AustLII (2003).
680. Maloney, K., A. L. Carter, S. Jory, and B. Yamashita. "Three-Dimensional Representation of Bloodstain Pattern Analysis." *Journal of Forensic Identification* 55, no. 6 (2005).
681. Mavin, T.J. "A Laser Angle Gauge for Use in Stringing Blood Patterns." *International Association of Bloodstain Pattern Analysts News* 18, no. 3 (September 2002 2002): 9-11.
682. McDonald, A., M. Lamontagne, C. Moreau, and S. Chandra. "Impact of Plasma-Sprayed Metal Particles on Hot and Cold Glass Surfaces." *Thin Solid Films* 514 (2006): 212-22.
683. McGuire, J.A., and W.F. Rowe. "A Study on Blood Stain Pattern Analysis Dropped from a Known Height onto an Angled Medium." 1-15. Washington, DC: The George Washington University, 2004.
684. McQuisten, F. "The Photographic Enhancement of Bloodstain Patterns on Dark Fabric.", 37, 2006.
685. Mehdizadeh, N.Z., S. Chandra, and J. Mostaghimi. "Formation of Fingers around the Edges of a Drop Hitting a Metal Plate with High Velocity." *Journal of Fluid Mechanics* 510 (2004): 353-73.
686. Mellis, J. "Canada/ Guatemala and the Royal Canadian Mounted Police: An Evolution of Cooperation in Forensics Training." Regional Forensic Support Service Vancouver, 2004.
687. Michel, T., U. Mock, I.V. Roisman, J. Rühe, and C. Tropea. "The Hydrodynamics of Drop Impact onto Chemically Structured Surfaces." *J. Phys. Condens. Matter* 17 (2005).
688. Millington, J. "Development of a Synthetic Blood Substitute for Use in Forensic Science Teaching." 1-20: London Metropolitan University, 2002.
689. Mock, U., T. Michel, C. Tropea, I. Roisman, and J. Ruhe. "Drop Impact on Chemically Structured Arrays." *Journal of Physics Condensed Matter* 17, no. 9 (2005// 2005).
690. Mollaret, R., K Sefiane, J R E Christy, and D Veyret. "Experimental and Numerical Investigation of the Evaporation into Air of a Drop on a Heated Substrate." *Chemical Engineering Research and Design* 82, no. A4 (2004): 471-80.
691. Moore, C.C. "Demonstrative Aid for Bloodstain Pattern Examiners." *Journal of Forensic Identification* 53, no. 6 (2003): 639-46.
692. Mostaghimi, J., and S. Chandra. "Splat Formation in Plasma-Spray Coating Process." *Pure and Applied Chemistry* 74, no. 3 (2002): 441-45.
693. Neitzel, G.P., and P. Dell'Aversana. "Noncoalescence and Nonwetting Behaviour of Liquids." *Ann. Rev. Fluid Mech* 34 (2002): 267-89.
694. Noedel, M. "Non-Replenishing Blood Drip Trails." In *IABPA Annual Conference*. Tucson, Arizona, 2004.
695. OPC. "Bloodstain Pattern Analyst Understudy Program." 1-11. Aylmer, ON: Ministry of Community Safety and Correctional Services, 2005.
696. Pace, A. "The Relationship between Errors in Ellipse Fitting and the Increasing Degree of Error in Angle of Impact Calculations." *International Association of Bloodstain Pattern Analysts News* 21, no. 3 (2005): 12-14.
697. Pace, A., A. L. Carter, C. Moore, and B. Yamashita. "Another Treatment of Three-Dimensional Bloodstain Pattern Analysis." *International Association of Bloodstain Pattern Analysts News* 22, no. 1 (2006): 4-11.
698. Parkinson, G.A. "Stringing a Crime Scene to Determine Trajectories." *Journal of Bloodstain Pattern Analysis Bibliography Revision 4*

- Forensic Identification* 53, no. 4 (2003): 435-43.
699. Pasandideh-Fard, M, S Chandra, and J Mostaghimi. "A Three-Dimensional Model of Droplet Impact and Solidification." *International Journal of Heat and Mass Transfer* 45 (2002):2229-42.
700. Perdekamp, M.G.
701. Vennemann, B., D. Mattern, A. Serr, and S. Pollak. "Tissue Defect at the Gunshot Entrance Wound: What Happens to the Skin?". *Int J. Legal Med.* 119 (2005): 217-22.
702. Perkins, M. "The Application of Infrared Photography in Bloodstain Pattern Documentation of Clothing." *Journal of Forensic Identification* 55, no. 1 (2005): 1-9.
703. Petricevic, S., and D. Elliot. "Bloodstain Pattern Reconstruction - a Hammer Attack." *Journal of the Canadian Society of Forensic Science* 38, no. 1 (2005).
704. Pex, J.O. "The Use and Limitations of Luminol in Bloodstain Pattern Analysis." *International Association of Bloodstain Pattern Analysts News* 21, no. 4 (2005): 11-16.
705. Plattner, T., B. Kneubuehlb, M. Thalia, and U. Zollinger. "Gunshot Residue Patterns on Skin in Angled Contact and near Contact Gunshot Wounds." *Forensic Science International* 138, no. 3 (2003): 68-74.
706. Pollak, S., and M.A. Rothschild. "Gunshot Injuries as a Topic of Medicolegal Research in the German-Speaking Countries from the Beginning of the 20th Century up to the Present Time." *Forensic Science International* (2004): 201-10.
707. Poulard, C, G Guena, A M Cazabat, A Boudaoud, and M Ben Amar. "Rescaling the Dynamics of Evaporating Drops." *Langmuir* 21 (2005): 8226-33.
708. Quickenden, T.I., C.P. Ennis, and J.I. Creamer. "The Forensic Use of Luminol Chemiluminescence to Detect Traces of Blood inside Motor Vehicles.". *Luminescence* 19 (2004): 271-77.
709. Quinones, I., D. Sheppard, S. Harbison, and D. Elliot. "Comparative Analysis of Luminol Formulations." *Canadian Society of Forensic Science* 40, no. 2 (2006): 53-63.
710. R V Velevski, Gleeson, C.J., Gaudron, Gummow, Hayne, Callinan, J.J. (2002).
711. Raul, J., D. Baumgartner, R. Willinger, and B. Ludes. "Finite Element Modelling of Human Head Injuries Caused by a Fall." *Int J. Legal Med.* 120 (2006): 212-18.
712. *Regina V Anthony John Hore; Regina V Stanley James Fyffe [2005] Nswcca 3, AustLII* (2005).
713. Reynolds, M. "The Abacard Hematrace - a Confirmatory Identification of Human Blood Located at Crime Scenes." *I.A.B.P.A Newsletter*, no. June (2004).
714. ——. "Bloodstain Pattern Analysis and labpa Region Vi "a Discipline in Development"." *International Association of Bloodstain Pattern Analysts Newsletter*, no. September (2005): 4- 11.
715. Rioboo, R., C. Bauthier, J. Conti, M. Voue, and J. De Coninck. "Experimental Investigation of Splash and Crown Formation During Single Drop Impact on Wetted Surfaces." *Experiments in Fluids* 35 (2003): 648-52.
716. Rioboo, R., M. Marengo, and C. Tropea. "Time Evolution of Liquid Drop Impact onto Solid, Dry Surfaces." *Experiments in Fluids* 33 (2002): 112-24.
717. Ristenbatt, R.R., P.A. Pizzola, R.C. Shalerb, and L.N. Sorkinc. "Commentary On: Mark Benecke and Larry Barksdale, Distinction of Bloodstain Patterns from Fly Artifacts. Forensic Science International. 137(2003) 152–159." *Forensic Science International* 149 (2005): 293-94.
718. Ross, E. S. "The Study of Bloodstain Patterns Resulting from the Release of Blood Drops from a Weapon." The University of Auckland, 2006.
719. Rowe, Walter F. "Errors in the Determination of the Point of Origin of Bloodstains." *Forensic Science International* 161, no. 1 (2006): 47-51.
720. Rozhkov, A., B. Prunet-Foch, and M. Vignes-Adler. "Impact of Water Drops on Small Targets."

- Phys. Fluids* 14, no. 10 (2002): 3485-501.
721. Ruiz, O E, and W Z Black. "Evaporation of Water Droplets Placed on a Heated Horizontal Surface." *Journal of Heat Transfer* 124 (2002): 854.
722. Saviano, J. "Articulating a Concise Scientific Methodology for Bloodstain Pattern Analysis." *Journal of Forensic Identification* 55, no. 4 (2005): 461-70.
723. Schroter, R.C. "R V. Sion Jenkins ". London, 2004.
724. Sears, V.G., C.P.G Butcher, and L.A. Fitzgerald. "Enhancement of Fingerprints in Blood Part 3: Reactive Techniques, Acid Yellow 7, and Process Sequences." *Journal of Forensic Identification* 55, no. 6 (2005): 741-63.
725. Sefiane, K., and J. Cameron. "Modelling of Heat and Fluid Flow During the Evaporation of Volatile Drops on Hot Substrates." *Progress in Computational Fluid Dynamics* 6, no. 6 (2006): 363-70.
726. Settles, G.S., T.P. Grumstrup, J.D. Miller, M.J. Hargather, L.J. Dodson, and J.A. Gatto. "Full-Scale High-Speed "Edgerton" Retroreflective Shadowgraphy of Explosions and Gunshots." In *Proceedings of PSFVIP-5: 5th Pacific Symposium on Flow Visualisation and Image Processing*. Australia, 2005.
727. Sgt. Veldhoen, D. "Disposable Mannequins - an Alternative for Clothing Examinations." *I.A.B.P.A Newsletter*, no. June (2006).
728. Shahidzadeh-Bonn, N, S Rafai, A Azouni, and D Bonn. "Evaporating Droplets." *Journal of Fluid Mechanics* 549 (2006): 307-13.
729. Shakeri, S., and S. Chandra. "Splashing of Molten Tin Droplets on a Rough Steel Surface." *International Journal Heat and Mass transfer* 45, no. 23 (2002): 4561-75.
730. Shedd, T. A. "A General Model for Estimating Bubble Dissolution and Droplet Evaporation Times." *Journal of Microlithography, Microfabrication, and Microsystems* 4, no. 3 (2005): 33004-1-8.
731. Shen, A.R., G.J. Brostow, and R. Cipolla. "Toward Automatic Blood Spatter Analysis in Crime Scenes." *IET Conference on Crime and Security* (2006): 378-83.
732. Sikalo, S, M Marengo, C Tropea, and E N Ganic. "Analysis of Impact of Droplets on Horizontal Surfaces." *Experimental Thermal and Fluid Science* 25 (2002): 503-10.
733. Sikalo, S, C Tropea, and E N Ganic. "Dynamic Wetting Angle of a Spreading Droplet." *Experimental Thermal and Fluid Science* 29 (2005): 795-802.
734. Sikalo, S., and E.N. Ganic. "Phenomena of Droplet-Surface Interactions." *Experimental Thermal and Fluid Science* 31 (2006): 97-110.
735. Sikalo, S., S. Tropea, and E.N. Ganic. "Impact of Droplets onto Inclined Surfaces." *Journal of Colloid and Interface Science* 285 (2005): 661-70.
736. Slemko, J.A. "Bloodstains on Fabric: The Effects of Droplet Velocity and Fabric Composition." *International Association of Bloodstain Pattern Analysts News* 19, no. 4 (2003): 3-11.
737. Spitz, W.U., and D.J. Spitz. "Crime Scene." Chap. 2 In *Medicological Investigation of Death*. 22-44. Illinois: Charles C Thomas Publisher Ltd, 2006.
738. Sweet, M.J. "Postmortem Bloodshed Caused by Body Position and Lividity ". *I.A.B.P.A Newsletter*, no. June (2006).
739. Sweet, W.J. "Correlating Injuries and Bloodstains at a Scene." *International Association of Bloodstain Pattern Analysts News* 21, no. 2 (June 2005 2005): 8-11.
740. Taylor, C.A., and M.T. Draney. "Experimental and Computational Methods in Cardiovascular Fluid Mechanics." *Ann. Rev. Fluid Mech* 36 (2004): 197-231.
741. Thali, M.J., B.P. Kneubuehl, and R. Dirnhofer. "A "Skin-Skull-Brain" Model for the Biomechanical Reconstruction of Blunt Forces to the Human Head." *Forensic Science International* 125 (2002): 195-200.
742. Thali, M.J., B.P. Kneubuehl, R. Dirnhofer, and U. Zollinger. "The Dynamic Development of Bloodstain Pattern Analysis Bibliography Revision 4 Updated April 8, 2021 Page 47 of 76

- the Muzzle Imprint by Contact Gunshot: High-Speed Documentation Utilizing the "Skin–Skull–Brain Model". " *Forensic Science International* 127 (2002): 168-73.
743. Thali, M.J., B.P. Kneubuehl, U. Zollinger, and R. Dirnhofer. "The "Skin–Skull–Brain Model": A New Instrument for the Study of Gunshot Effects." *Forensic Science International* 125 (2002): 178-89.
744. ——. "A Study of the Morphology of Gunshot Entrance Wounds, in Connection with Their Dynamic Creation, Utilizing the "Skin–Skull–Brain Model". " *Forensic Science International* 125 (2002): 190-94.
745. Thali, M.J., B.P. Kneubuehl, U. Zollinger, and R. Dirnhofer. "A High-Speed Study of the Dynamic Bullet-Body Interactions Produced by Grazing Gunshots with Full Metal Jacked and Lead Projetciles." *Forensic Science International* 132, no. 2 (2003): 93-98.
746. Thoroddsen, S.T. "The Ejecta Sheet Generated by the Impact of a Drop." *Journal of Fluid Mechanics* 451 (2002): 373-81.
747. Truskett, V N, and K J Stebe. "Influence of Surfactants on an Evaporating Drop: Fluorescence Images and Particle Deposition Patterns." *Langmuir* 19 (2003): 8271-79.
748. van Stratton, M.J., and T.J. Griffin. "Examination of Bloodstained Clothing." In *Rocky Mountain Association of Bloodstain Pattern Analysts*, 2002.
749. Vander Wal, R.L., G.M. Berger, and S.D. Mozes. "The Combined Influence of a Rough Surface and Thin Fluid Film Upon the Splashing Threshold and Splash Dynamics of a Droplet Impacting onto Them . ." *Experiments in Fluids* 40 (2006): 23-32.
750. ——. "Droplets Splashing Upon Films of the Same Fluid of Various Depths." *Experiments in Fluids* 40 (2006): 33-52.
751. ——. "The Splash/Non-Splash Boundary Upon a Dry Surface and Thin Fluid Film." *Experiments in Fluids* 40 (2006): 53-59.
752. Velevski V the Queen, (2002).
753. Wagner, J.H., and G.M. Miskelly. "Background Correction in Forensic Photography I: Photography of Blood under Conditions of Non-Uniform Illumination or Variable Substrate Color - Theoretical Aspects and Proof of Concept." *Journal of Forensic Sciences* 48, no. 3 (2003): 593-602.
754. ——. "Background Correction in Forensic Photography II. Photography of Blood under Conditions of Non-Uniform Illumination or Variable Substrate Color - Practical Aspects and Limitations ". *Journal of Forensic Sciences* 48, no. 3 (2003): 604-13.
755. Wang, G -X, and E F Matthys. "Experimental Determination of the Interfacial Heat Transfer During Cooling and Solidification of Molten Metal Droplets Impacting on a Metallic Substrate: Effect of Roughness and Superheat." *Int. J. of Heat and Mass transfer* 45 (2002): 4967-81.
757. Webb, J.L., J.I. Creamer, and T.I. Quickenden. "A Comparison of the Presumptive Luminol Test for Blood with Four Non-Chemiluminescent Forensic Techniques." *Luminescence* 21 (2006): 214-20.
758. Wells, J.K. "Investigation of Factors Affecting the Region of Origin Estimate in Bloodstain Pattern Analysis." University of Canterbury, 2006.
759. Wonder, A.Y. "Fact or Fiction in Bloodstain Pattern Evidence." *Science and Justice - Journal of the Forensic Science Society* 43, no. 3 (2003 2003): 166-68.
760. Wright, J., A. Wagner, S. Rao, and Y. Ma. "Homography from Coplanar Ellipses with Application to Forensic Blood Splatter Reconstruction." *IEEE Computer Society Conference on Computer Vision and Pattern Recognition* 1 (2006): 1250-57.
761. Yarin, A.L. "Drop Impact Dynamics: Splashing, Spreading, Receding, Bouncing...". *Ann. Rev. Fluid Mech* 38 (2006): 159-92.

762. Yen, K., M.J. Thali, B.P. Kneubuehl, O. Peschel, U. Zollinger, and R. Dirnhofer. "Blood-Spatter Patterns: Hands Hold Clues for the Forensic Reconstruction of the Sequence of Events." *American Journal of Forensic Medicine and Pathology* 24, no. 2 (2003): 132-40.
763. Young, T. "A Photographic Comparison of Luminol, Fluorescein, and Bluestar." *Journal of Forensic Identification* 56, no. 6 (2006).
764. Zhi-yong, L., P. Xiao-feng, and W. Xiao-dong. "Oscillation Characteristics of Droplets on Solid Surfaces with Air Flow." *Heat Transfer—Asian Research* 35, no. 1 (2006).

## 1997-2001

765. Adair, T.W. "False Wave Cast-Off: Considering the Mechanisms of Stain Formation." *International Association of Bloodstain Pattern Analysts News* 14, no. 3 (1998): 1-8.
766. ——. "Recognition of Bloodstain Evidence in Historical Denver, Colorado." *International Association of Bloodstain Pattern Analysts News* 15, no. 3 (1999): 1-3.
767. Adair, T.W., and A.C. Gallardo. "Considering the Target Surface in Bloodstain Pattern Analysis: An Unusual Case of Blood Pooling." *Journal of Forensic Identification* 49, no. 5 (1999): 485-93.
768. Adolf, F. "The Structure of Textiles." In *Forensic Examination of Fibres*, edited by J. Robertson and M. Grieve. International Forensic Science and Investigation Series. Boca Raton, Florida: CRC Press, 1999.
769. Alexander, T. "Pigs & Zoonoses." *In Practice* 20 (1998): 453-57.
770. Andrasko, J. "The Estimation of Age of Bloodstains by Hplc Analysis." [In eng]. *J Forensic Sci* 42, no. 4 (Jul 1997): 601-7.
771. Anonymous. "A Battle of Blood Spatter Experts and the Shenanigans of a Texas Prosecutor." *Scientific Sleuthing Reviews* (1997).
772. ——. "Reading Blood Patterns: The Forensics Revealed Mini-Series Continues with Tina Orr- Munro Looking at How the Interpretation of Blood Spatters at a Violent Crime Scene Is Vital to a Successful Investigation." *Police Review* 24 (2001): 26-28.
773. Attinger, D., S. Haferl, Z. Zhao, and D. Poulikakos. "Transport Phenomena in the Impact of a Molten Droplet on a Surface: Macroscopic Phenomenology and Microscopic Considerations. Part II: Heat Transfer and Solidification.". In *Annual Review of Heat Transfer*, edited by C. L. Tien. 65-143, 2000.
774. Attinger, D., Z. Zhao, and D. Poulikakos. "Analytical Estimation of the Maximum Spreading Diameter During Impact of a Drop on a Colder Surface Including Thermocapillary and Gravitational Effects." In *Illass 1999 Conference, Spray Impact on Wall and Films*. CD-Rom without pagination, 1999.
775. ——. "An Experimental Study of Molten Microdroplet Surface Deposition and Solidification: Transient Behavior and Wetting Angle Dynamics." *Journal of Heat Transfer* 122, no. 3 (2000): 544-56.
776. Aziz, S D, and S. Chandra. "Impact, Recoil and Splashing of Molten Metal Droplets." *Int. J. Heat Mass Transfer* 43 (2000): 2841-57.
777. Barber, Daniel L. "Starlight Bloodhound: Spray and See Evidence." *Police*, 2001, 12-14.
778. Barker, D.A. "Contrast from the Past." *Journal of Forensic Identification* 49, no. 6 (1999): 589- 93.
779. Barnes, D. "Intermittant Projected Bloodstains." *International Association of Bloodstain Pattern Analysts News* 14, no. 2 (1998): 6-8.
780. Benintendi, Steven W., and Marc K. Smith. "The Spreading of a Non-Isothermal Liquid Droplet." *Physics of Fluids* 11, no. 5 (1999): 982-89.
781. Bettilyon, Albert D. "Case Presentation: "Reconstruction of a Domestic Homicide"." In *International Association of Identification Meeting*, 1997.
782. ——. "Fly Spots." In *Bloodstain Pattern Analysis: With an Introduction to Crime Scene Reconstruction*. 166-67. Boca Raton, FL: CRC Press, 1997.
783. Bevel, Tom, and R. M. Gardner. *Bloodstain Pattern Analysis : With an Introduction to Crime Scene Reconstruction*. Translated by Ross M. Gardner. Crc Series in Practical Aspects of Criminal and Forensic Investigations. Boca Raton: CRC Press, 1997. 2nd ed.
784. ——. *Bloodstain Pattern Analysis : With an Introduction to Crime Scene Reconstruction*. Translated by Ross M. Gardner. Crc Series in Practical Aspects of

- Criminal and Forensic Investigations. 2nd ed. Boca Raton: CRC Press, 2001. 2nd ed.
785. Bhola, R., and S. Chandra. "Parameters Controlling Solidification of Molten Wax Droplets Falling on a Solid Substrate." *Journal Materials Science* 34 (1999): 4883-94.
786. Block, Michael, and Michael Gaynor. "Case Presentation: "Bloodstains Tell a Different Tale"." In *International Association of Identification Meeting*, 1997.
787. Bradley, D. "Spectrometry Aids "New and Improved"." *Today's Chemist*, 2001 2001, 23-24,26.
788. Brady, Margret, Jacquelyn P. Messmer and Doan Hogge, and Stuart H. and Edel Charles F. James. "Gruesome Science on the Case
789. Radiographic Identification of Unknown Human Remains and Interpreter Experience Level
790. Bloodstain Pattern Interpretation", Introduction to Forensic Sciences Second Edition." *The Financial Post Magazine*, March 1997, 1997, 8-10.
791. Brown, Rosemary E., R.I. Hawkes, M. Anderson Parker, and J.A. Byrd. "Entomological Alteration of Bloodstain Evidence." In *Entomological Evidence: The Utility of Arthropods in Legal Investigations*. Boca Raton, FL.: CRC Press, 2001.
792. Buckner, B. "The Nature of Measurement: Part 8- Basic Statistical Analysis of Random Errors." *Professional Surveyor* (1997).
793. Burnett, B.R., J.M. Orentes, and M.L. Pierson. "An Unusual Bloodstain Case." *Journal of Forensic Sciences* 42, no. 3 (1997): 519-23.
794. Bussmann, M., J. Mostaghimi, and S. Chandra. "On a Three-Dimensional Volume Tracking Model of Droplet Impact." *Physics of Fluids* 11, no. 6 (1999): 1406-17.
795. Carter, A. L. "Carter's Compendium." 2001.
796. Carter, A.L, and P. Laturnus. "Bloodstain Pattern Analysis with a Computer." In *Forensic Evidence in Canada* edited by G. Chakyo and E.D Gulliver. 443-53. Aurora, Ont: Canada Law Book, 1999.
797. Carter, A.L. "Bloodstain Pattern Analysis with a Computer." In *Scientific and Legal Applications of Bloodstain Pattern Interpretation*, edited by Stuart H. James. Boca Raton, Florida: CRC Press, 1998.
798. ——. "The Directional Analysis of Bloodstain Patterns: Theory and Experimental Validation." *Journal of the Canadian Society of Forensic Science* 34, no. 4 (2001 2001): 173-89.
799. ——. "Justification of the Sine Formula." 1997.
800. Chadwick, E.K.J., A.C. Nicol, J.V. Lane, and T.G.F. Gray. "Biomechanics of Knife Stab Attacks." *Forensic Science International* 105 (1999): 35-44.
801. Cheeseman, R. "Direct Sensitivity Comparison of the Fluorescein and Luminol Bloodstain Enhancement Techniques." *Journal of Forensic Identification* 49, no. 3 (1999): 261-68.
802. ——. "Fluoresceine Bloodstain Detection Method." edited by United States Patent. USA, 1999.
803. Cheeseman, R., and R. Tomboc. "Fluorescein Technique Performance Study on Bloody Foot Trails." *Journal of Forensic Identification* 51, no. 1 (2001): 16-27.
804. Chisum, Jerry W. "Pitfalls in Bloodstain Pattern Interpretation." *The CAC News*, no. 4th Quarter (1998): 14-17.
805. Clark, Brian S., and Grant D. Graham Sr. "Bloodstain Pattern Analysis after a Fire: Effects of Heat and Flame on Reconstruction and Interpretation." In *A Paper Presented at the American Academy of Forensic Sciences 53rd Annual Meeting*. Seattle, Washington, 2001.
806. Cossali, G.E., A. Coghe, and M. Marengo. "The Impact of a Single Drop on a Wetted Solid Surface." *Experiments in Fluids* 22 (1997): 463-72.
807. Cresap, T.R. "Bloody Bare Footprints - What Size Will They Make?". *International Association of Bloodstain Pattern Analysts News* 14, no. 2 (1998): 1-5.
808. Drelich, J. "The Effect of Drop (Bubble) Size on Contact Angle at Solid Surfaces." *J. Adhesion*

- 63 (1997): 31-51.
809. Eckert, William G. *Introduction to Forensic Science*. 2nd ed. Boca Raton: CRC Press, 1997.
810. Emes, A. "Expirated Blood - a Review." *Journal of the Canadian Society of Forensic Science* 34, no. 4 (2001): 197-203.
811. ——. "The Interpretation of Bloodstain Patterns." *Contact* 27 (1999): 13-15.
812. Finsterer, J., C. Stollberger, A. Hochfellner, A. Dossenbach-Glaninger, and P. Hopmeier. "Factors Influencing the Length of a Blood Trail." *Haemostasis* 29, no. 6 (1999): 353-54.
813. Fischer, W.C. "Letter to the Editor Re: Velocity Problems and Pressure Differentials in the Formation of Bloodstains." *International Association of Bloodstain Pattern Analysts News* 17, no. 2 (2001): 5-8.
814. ——. "Utilizing Bloodstains in Accident Reconstruction." In *Scientific and Legal Applications of Bloodstain Pattern Interpretation*, edited by S.H. James. 35. Boca Raton: CRC Press, 1998.
815. Fischer, William C. "Defining the "Address" of Bloodstains and Other Evidence at the Crime Scene." In *Scientific and Legal Applications of Bloodstain Pattern Analysis*, edited by Stuart H. James. Boca Raton, Florida: CRC Press, 1998.
816. Forsythe-Erman, J. "A Comparison of Blood Enhancement Techniques." *Journal of the Canadian Society of Forensic Science* 347, no. 4 (2001): 159-66.
817. *Franco V the State of Texas [2000] Tca 8th Dist 08-98-0008-Cr*, (2000).
818. Fraser, G.N. "A Murder in Moncton." *Journal of the Canadian Society of Forensic Science* 34, no. 4 (2001): 205-08.
819. Fregeau, C.J., O. Germain, K.J. Miller, and R.M. Fourney. "The Effects of Blood Enhancement Chemicals on Subsequent DNA Analysis." *Identification Canada* 24, no. 3 (2001).
820. Gardner, Ross M. "Deformation Levels in Blood Droplets Created by Impact Events." *International Association of Bloodstain Pattern Analysts News* 13, no. 1 (1998): 3-20.
821. Gervais, P., P. Baudin, B. Cruikshank, and D.L. Dahlstedt. "Comparative Analysis between Police Batons." *Forensic Science International* 91 (1998): 7-17.
822. Gifford, W.D. Lt. "Bloodstain Survival in Water." *International Association of Bloodstain Pattern Analysts News* 15, no. 2 (1999): 1-6.
823. Goodridge, C.L., W. Tao Shi, G.E. Hentschel, and D.P. Lathrop. "Viscous Effects in Droplet- Ejecting Capillary Waves." *The American Physical Society* 56, no. 1 (1997): 472-75.
824. Granzow, J.W., J.W. Smith, R.L. Nichols, R.S. Waterman, and A.C. Muzik. "Evaluation of the Protective Value of Hospital Gowns against Blood Strike-through and Methicillin-Resistant *Staphylococcus Aureus* Penetration." *American Journal of Infection Control* 26, no. 2 (1998): 85- 93.
825. "A Guide to Bloodstain Pattern Analysis (Part 1)." *Identification Canada* 23, no. 1(2000).
826. "A Guide to Bloodstain Pattern Analysis (Part 2)." *Identification Canada* 23, no. 2(2000).
827. Haferl, S., Z. Zhao, J. Giannakouros, D. Attinger, and D. Poulikakos. "Transport Phenomena in the Impact of a Molten Droplet on a Surface: Macroscopic Phenomenology and Microscopic Considerations. Part I: Fluid Dynamics." In *Annual Review of Heat Transfer*, edited by C. L. Tien. 145-205: Begell House, NY, 2000.
828. Hardalupas, Y., A.M.K.P. Taylor, and J.H. Wilkins. "Experimental Investigation of Sub-Millimetre Droplet Impingement onto Spherical Surfaces.". *International Journal Heat and Fluid Flow* 20 (1999): 477-85.
829. Healy, W.M., J.G. Hartley, and S.I. Abdel-Khalik. "On the Validity of the Adiabatic Spreading Assumption in Droplet Impact Cooling." *International Journal of Heat and Mass Transfer* 44, no. 20 (2001): 3869-81.
830. Henderson, C. "Legal and Ethical Aspects of Bloodstain Pattern Evidence." In *Scientific Bloodstain Pattern Analysis Bibliography Revision 4*

- and Legal Applications of Bloodstain Pattern Interpretation*, edited by S.H. James. 91 - 120. Boca Raton, Fla: CRC Press, 1998.
831. Henderson, Carol. "Expert Witness Workshop." 59 -117. Metropolitan Police Institute, 2001.
832. Hrncir, E., and J. Rosina. "Surface Tension of Blood." [In eng]. *Physiol Res* 46, no. 4 (1997): 319- 21.
833. Huss, K., J.D. Clark, and W.J. Chisum. "Which Was First - Fingerprint or Blood?". *Journal of Forensic Identification* 50, no. 4 (2000): 344-50.
834. Illes, M. "Canadian Bloodstain Pattern Analysis in the Netherlands." *Journal of the Canadian Society of Forensic Science* 34, no. 4 (2001): 167-71.
835. James, S.H., and C.F. Edel. "Bloodstain Pattern Interpretation." In *Introduction to Forensic Sciences*, edited by William G. Eckert. Boca Raton: CRC Press, 1997.
836. James, Stuart H. *Scientific and Legal Applications of Bloodstain Pattern Interpretation*. Boca Raton, Fla: CRC Press, 1998.
837. James, Stuart H., and William G. Eckert. *Interpretation of Bloodstain Evidence at Crime Scenes*. Translated by William G. Eckert William G. Eckert. Crc Series in Practical Aspects of Criminal and Forensic Investigations. 2nd ed ed. Boca Raton: CRC Press, 1999. 2nd ed.
838. Janes, Wendy Louise. "Developments in the Practical Reconstruction of Blood Spatter Events." Master of Science, The University of Auckland, 2001.
839. Jiang, L., M. Perlin, and W.W. Schultz. "Period Tripling and Energy Dissipation of Breaking Standing Waves." *Journal of Fluid Mechanics* 369 (1998): 273-99.
840. Jonas, T., A. Kubitzek, and F. Obermeier. "Transient Heat Transfer and Break-up Mechanisms of Drops Impinging on Heated Walls." Paper presented at the 4th World Conference on Experimental Heat Transfer, Fluid Mechanics and Thermodynamics, Brussels, 1997.
841. Karger, B., R. Nusse, H.D. Troger, and B. Brinkmann. "Backspatter from Experimental Close- Range Shots to the Head II- Microbackspatter and the Morphology of Bloodstains." *International Journal of Legal Medicine* 110 (1997): 27-30.
842. Karger, B., S.P. Rand, and B. Brinkmann. "Experimental Bloodstains on Fabric from Contact and from Droplets." *International Journal of Legal Medicine* 111, no. 1 (1998 1998): 17-21.
843. Kiely, T.F. *Forensic Evidence: Science and the Criminal Law*. Boca Raton: CRC Press, 2001.
844. Kim, Ho-Young, Taiqing Qiu, and Jung-Hoon Chun. "Development of an in Situ Sensing System for Rapidly Spreading Microdroplets During Droplet-Based Manufacturing." In *Asme Heat Transfer Division, Htd.*, 17-24, 1997.
845. Kish, P.E., and G. Hall. "A 12-Day Study Evaluating the Durability of Bloodspatters on Shoes." In *American Academy of Forensic Sciences*. Orlando, Florida, 1999.
846. Kleiber, Manfred, Dankwart Stiller, and Peter Wiegand. "Assessment of Shooting Distance on the Basis of Bloodstain Analysis and Histological Examinations." *Forensic Science International* 119, no. 2 (2001): 260-62.
847. Kohne, J.S. "Creating a Bloodstain Pattern Generator." *International Association of Bloodstain Pattern Analysts News* 17, no. 3 (2001): 9-13.
848. Kratochvil, A., and E. Hrncir. "Correlation between the Blood Surface Tension and the Activity of Some Enzymes." [In eng]. *Physiol Res* 50, no. 4 (2001): 433-7.
849. Kristensen, D., P.Y. Jensen, F. Madsen, and K.S. Bird. "Rheology and Surface Tension of Selected Processed Dairy Fluids: Influence of Temperature ". *Journal of Dairy Science* 80, no. 10 (1997): 2282-90
850. Kumar, Vinay, Tucker Collins, and Ramzi S. Cotran. "Red Cells and Bleeding Disorders." In *Robbins Pathologic Basis of Disease*, edited by Vinay Kumar, Tucker Collins and Ramzi S. Cotran. 638-39. Philadelphia: W.B. Saunders Company, 1999. Reprint, 6th ed.
851. Laber, T.L., and B.P. Epstein. "Substrate Effects on the Drying Time of Human Blood." *Journal of the Canadian Society of Forensic Science* 34, no. 4 (2001): 209-14.

852. Laturnus, P. "Computerised Analysis of Bloodstain Patterns." *Identification Canada* 21, no. 1 (1998): 13.
853. Laurent, A., J.J. Durussel, J. Dufaux, L. Penhouet, A.L. Bailly, M. Bonneau, and J.J. Merland. "Effect of Contrast Media on Blood Rheology: Comparison in Human, Pigs and Sheep." *Cardiovascular and Interventional Radiology* 22 (1999): 62-66.
854. Leonas, K.K., and R.S. Jenkins. "The Relationship of Selected Fabric Characteristics and the Barrier Effectiveness of Surgical Gown Fabrics." *American Journal of Infection Control*, no. 25 (1997): 16-23.
855. Lin, S.P., and R.D. Reitz. "Drop and Spray Formation from a Liquid Jet." *Annu. Rev. Fluid Mechanics* 30 (1998): 85-105.
856. MacDonell, H.L. *Bloodstain Patterns*. New York: Laboratory of Forensic Science, 1997.
857. ———. "Dr. John H. Gohringer Bloodstain Pattern Pioneer." 1999.
858. MacLean, B., K Powley, and D Dahlstrom. "A Case Study Illustrating Another Logical Explanation for High Velocity Impact Spatter." *Journal of the Canadian Society of Forensic Science* 34, no. 4 (2001): 191-95.
859. Majumdar, A., and I. Mezic. "Instability of Ultra-Thin Water Films and the Mechanism of Droplet Formation on Hydrophilic Surfaces." *Journal of Heat Transfer* 121 (1999): 964-71.
860. *Makita (Australia) Pty Ltd V Sprowles*, (2001).
861. Mao, T., D.C.S. Kuhn, and H. Tran. "Spread and Rebound of Liquid Droplets Upon Impact on Flat Surfaces." *AIChE Journal* 43, no. 9 (1997): 2169-79.
862. *Mealey's Daubert Reports*.
863. Mealey. "Texas Court Finds Blood Spatter Pattern Analysis Not Helpful, Inadmissible." *Mealey's Daubert Reports* 4, no. 2 (February, 2000 2000): 1.
864. Messer, John. "Abstract Art or Hardcore Evidence: Modern Interpretation of Blood Spatter Evidence and Its Admissibility in Court." *Iowa State Medical Examiner's Newsletter* Sept - Oct (1997).
865. Moore, C. "A Guide to Bloodstain Pattern Analysis (Part 1)." *Identification Canada* 23, no. 1 (2000): 4-15.
866. Murray, D.C. "An Advocate's Approach to Bloodstain Pattern Analysis Evidence: Part I." *International Association of Bloodstain Pattern Analysts News* 16, no. 2 (2000): 1-10.
867. ———. "An Advocate's Approach to Bloodstain Pattern Analysis Evidence: Part II." *International Association of Bloodstain Pattern Analysts News* 16, no. 3 (2000): 1-15.
868. O'Callaghan, P.T., M.D. Jones, C.A. Holt, S. Leadbeater, C. Dent, and L.D.M. Nokes. "A Novel Approach to Forensic Investigation: Three-Dimensional Kinematic and Kinetic Motion Analysis." *Journal of Clinical Forensic Medicine* 8 (2001): 49-53.
869. Pasandideh-Fard, M., S.D. Aziz, S. Chandra, and J. Mostaghimi. "Cooling Effectiveness of a Water Drop Impinging on a Hot Surface." *International Journal Heat and Fluid Flow* 22, no. 2 (2001): 201-10.
870. Pasandideh-Fard, M., R. Bohla, S. Chandra, and J. Mostaghimi. "Deposition of Tin Droplets on a Steel Plate: Simulations and Experiments." *Int. J. Heat and Mass Transfer* 41, no. 19 (1998): 2929-45.
871. Pasandideh-Fard, M., M. Bussmann, S. Chandra, and J. Mostaghimi. "Droplet Impact on a Tube: Simulations and Experiments." In *Eighth International Conference on Liquid Atomization and Spray Systems, Pasadena, Ca, USA, July 2000*. 1128-37, 2000.
872. Pasandideh-Fard, M., R. Bussmann, S. Chandra, and J. Mostaghimi. "Simulating Droplet Impact on a Substrate of Arbitrary Shape." *Atomization and Spray* 11, no. 397 (2001).
873. Pasandideh-Fard, M., S. Chandra, and J. Mostaghimi. "Modeling Sequential Impact of Two Molten Droplets on a Solid Surface." Toronto, ON: Department of Mechanical and

- Industrial Engineering, University of Toronto, 1999.
874. Perlin, M., and W.W. Schultz. "Capillary Effects on Surface Waves." *Annu. Rev. Fluid Mechanics* 32 (2000): 241-74.
875. Prunet-Foch, B., F. Legay, M. Vignes-Adler, and C. Delmotte. "Impacting Emulsion Drop on a Steel Plate: Influence of the Solid Substrate." *Journal of Colloid and Interface Science* 199 (1998): 151-68.
876. Qiao, Y. M., and S. Chandra. "Experiments on Adding a Surfactant to Water Drops Boiling on a Hot Surface." *Proc. R. Soc. Lond. A* 453 (1997): 673-89.
877. Quickenden, T.I., and P.D. Cooper. "Increasing the Specificity of the Forensic Luminol Test for Blood.". *Luminescence* 16 (2001): 251-53.
878. Quickenden, T.I., and J.I. Creamer. "A Study of Common Interferences with the Forensic Luminol Test for Blood." *Luminescence* 16, no. 295-298 (2001).
879. Raymond, M.A. "Trajectory Reconstruction from Bloodstains at a Crime Scene. ." La Trobe University, 1997
880. Raymond, T. "Crime Scene Reconstruction from Bloodstains." *Australian Journal of Forensic Sciences* 29, no. 2 (1997 1997): 69-78.
881. Rinehart, D.J. "Computers Vs Strings- 2 Cases in Point." *Association for Crime Scene Reconstruction* (2000).
882. Rioboo, R., C. Tropea, and M. Marengo. "Outcomes from a Drop Impact onto Solid Dry Surfaces." *Atomization and Sprays* 11, no. 155 (2001): 65.
883. Rossi, D.V. "Fluorescein Techniques for Enhancing Bloody Fingerprints." Houston, Texas: Harris County Sheriff's Department, 2001.
884. Roura, P., and J. Fort. "Comment on "Effects of the Surface Roughness on Sliding Angles of Water Droplets on Superhydrophobic Surfaces"." *Langmuir* 18 (12/27/2001 2001): 566-69.
885. Saleh, M.A., A. Kamel, A. El-Demerdash, and J. Jones. "Penetration of Household Insecticides through Different Types of Textile Fabrics." *Chemosphere* 36, no. 7 (1998 1998): 1543-52.
886. Schiaffino, S., and A. A. Sonin. "Molten Droplet Deposition and Solidification at Low Weber Numbers." *Phys. Fluids* 9 (1997): 3172-87.
887. Slemko, J.A. "Bloodstains on Fabric: The Effects of Droplet Velocity and Fabric Composition". *Journal of Slemko Forensic Consulting* (1999).
888. Sobolev, V., and J.M. Guilemany. "Effect of Droplet Impact Angle on Flattening of Splat in Thermal Spraying." *Materials Letters* 32 (1997): 197-201.
889. ——. "Influence of Drop Impact Angle on Droplet-Substrate Mechanical Interaction in Thermal Spraying." *Materials Letters* 33 (1998): 315-19.
890. Strauch, H., I. Wirth, U. Taymoorian, and G. Gesericck. "Kicking to Death - Forensic and Criminological Aspects." *Forensic Science International* 123 (2001): 165-71.
891. Thali, M.J. "Body Models in Forensic Ballistics: Reconstruction of a Gunshot Injury to the Chest by Bullet Fragmentation after Shooting through a Finger." *Forensic Science International* 123, no. 1 (2001): 54-57.
892. Theeuwen, A.B.E, S. van Barneveld, J.W. Drok, I. Keereweer, J.C.M. Limborgh, W.M. Naber, and T. Velders. "Enhancement of Footwear Impressions in Blood." *Journal of Forensic Identification* 95, no. 2 (1998): 133-51.
893. Thoroddsen, S.T., and J. Sakakibara. "Evolution of the Fingering Pattern of an Impacting Drop." *Physics of Fluids* 10, no. 6 (1998): 1359-74.
894. Uno, K, K Hayashi, T Hayashi, K Ito, and H Kitano. "Particle Adsorption in Evaporating Droplets of Polymer Latex Dispersions on Hydrophobic and Hydrophilic Surfaces." *Colloid and Polymer Science* 276 (1998): 810.

895. van Netten, A.A., and J.M. Dewey. "Blood Spatter 2." Edmonton, Alberta: Royal Canadian Mounted Police, 1997.
896. Vignes-Adler, M., B. Prunet-Foch, F. Legay, and N. Mourougou. "A Study of Impacting Droplets of an Emulsion or Surfactant Solution on Solid Substrates." In *Mat. Res. Soc. Symp. Proc.*, 105- 13, 1997.
897. Voue, M., M. P. Valignat, G. Oshanin, A. M. Cazabat, and J. De Coninck. "Dynamics of Spreading of Liquid Microdroplets on
898. Substrates of Increasing Surface Energies." *Langmuir*, no. 14 (1998): 5951-58.
899. Waldvogel, J.M., and D. Poulikakos. "Solidification Phenomena in Picoliter Size Solder Droplet Deposition on a Composite Substrate." *International Journal of Heat and Mass Transfer* 40, no. 2 (1997): 295-309.
900. Wang, A. B., C. H. Lin, and C. C. Chen. "The Critical Temperature of Dry Impact for Tiny Droplet Impinging on a Heated Surface." *Phys. Fluids* 12 (2000): 1622-25.
901. Warrick, Patrick. "Identification of Blood Prints on Fabric Using Amido Black and Digital Enhancement." *Journal of Forensic Identification* 50, no. 1 (2000): 20-31.
902. Willis, C., A.K. Piranian, J.R. Donaggio, R.J. Barnett, and W.F. Rowe. "Errors in the Estimation of the Distance of Fall and Angles of Impact Blood Drops." *Forensic Science International* 123, no. 1 (2001 2001): 1-4.
903. Wolson, T.L. "DNA Analysis and the Interpretation of Bloodstain Patterns." *Journal of the Canadian Society of Forensic Science* 34, no. 4 (2001): 151-57.
904. Wolson, T.L. "Advanced Bloodstain Pattern Analysis Workshop." 5-57. Metropolitan Police Institute, 2001.
905. ——. "Serology-Bloodstain Pattern Analysis." In *Encyclopedia of Forensic Sciences*, edited by Jay A. Siegel, Geoffrey Knupfer and Pekken Saukko. 1338-49. Oxford: Elsevier Science Ltd, 2000.
906. Wonder, A.Y. *Blood Dynamics*. London: Academic Press, 2001.
907. Zarzalejo, L. J., K. S. Schmaltz, and C. H. Amon. "Molten Droplet Solidification and Substrate Remelting in Microcasting. Part I: Numerical Modeling and Experimental Verification." *Heat and Mass Transfer* 34 (1999): 477-85.

## 1996-1992

908. Adler, W.F. "Waterdrop Impact Modeling." *Wear* 186-187 (1995): 341-51.
909. Aker, E "A Simulation Model for Two-Phase Flow in Porous Media ", University of Oslo, 1996.
910. Allman, D.S., and C.A. Pounds. "The Specificity of Diaminobenzidine for the Detection of Blood." Aldermaston, UK: Central Research and Support Establishment, Home Office Forensic Science Service, 1992.
911. Anderson, J.W. "Capillarity Distortion Analysis." *International Association of Bloodstain Pattern Analysts News* 9, no. 4 (1993): 11-13.
912. Anderson, John Wesley. "Sherlockian Theories, Lessons from the Greatest Detective Who Ever Lived." *International Association of Bloodstain Pattern Analysts News* 8, no. 3 (1992): 3-14.
913. Bacri, L., G. Debregas, and F. Brochard-Wyart. "Experimental Study of the Spreading of a Viscous Droplet on a Nonviscous Liquid." *Langmuir* 12 (1996): 6708-11.
914. Basaran, O.A. "Nonlinear Oscillations of Viscous Liquid Drops." *Journal of Fluid Mechanics* 241 (1992): 169-98.
915. Basaran, O.A., and D.W. Depaoli. "Nonlinear Oscillations of Pendent Drops." *Physical Fluids* 6, no. 9 (1994): 2923-43.
916. Berne, Robert M., and Matthew N. Levy. "The Cardiovascular System." In *Physiology*, edited by Robert M. Berne and Matthew N. Levy. St Louis: Mosby Year Book, 1993.
917. Bettilyon, Albert D. "Homicide Vs. Suicide: A Bloodstain Study." In *International Association of Identification Meeting*. Greensboro, North Carolina, 1996.
918. Betz, P., O. Peschel, D. Stiefelb, and W. Eisenmenger. "Frequency of Blood Spatters on the Shooting Hand and of Conjunctival Petechiae Following Suicidal Gunshots Wounds to the Head." *Forensic Science International* 76 (1995): 47-53.
919. Carter, A.L. "Bloodstain Pattern Analysis with a Video Camera and a PC Computer." *International Association of Bloodstain Pattern Analysts News* 11, no. 2 (1995): 15-16.
920. Carter, A.L., and P. Latus. "A Study of the Use of a Fotoman Digital Camera for Bloodstain Pattern Analysis." *International Association of Bloodstain Pattern Analysts News* 11, no. 2 (1995): 17-27.
921. Carter, G S. "A Consideration of Coughed or Sput-out Blood." The Forensic Science Service, 1996.
922. Cartwright, A.J. "Degrees of Violence and Blood Spattering Associated with Manual and Ligature Strangulation." *Medicine, Science and Law* 35, no. 4 (1995): 294-302.
923. Chandra, S., and C.T. Avedisian. "Observations of Droplet Impingement on a Ceramic Porous Surface." *Int. J. Heat Mass Transfer* 35 (1992): 2377-88.
924. Cheeseman, R., and L.A. DiMeo. "Fluorescein as a Field-Worthy Latent Bloodstain Detection System." *Journal of Forensic Identification* 45, no. 6 (1995): 631-45.
925. Cheeseman, Rob. "Fluorescein as a Suitable Replacement for Luminol as a Latent Blood Detection System." *The Print* 11, no. 2 (1995): 1-2.
926. Christman, D.V. "Handwriting on the Wall." *Police*, 1994, 55-57, 90-91.
927. Christman, D.V. "The Collection and Preservation of Bloodstain Evidence Found on Sheetrock Surfaces." *International Association of Bloodstain Pattern Analysts News* 9, no. 1 (1993): 6-10.
928. ——. "A Study to Compare and Contrast Animal Blood to Human Blood Product." *International Association of Bloodstain Pattern Analysts News* 12, no. 2 (1996): 10-25.
929. Courtney, M., F. Shiller, T.R. Ekis, M. O'Neal, and J.B. Brooks. "Luminol: The Next Generation." *Southwestern Association of Forensic Scientists Journal* 18, no. 1 (1996): 25.
930. *Daubert Et Al. V Merrell Dow Pharmaceuticals Inc.*, 113 S Ct 2786

- (1993). 24. 113 S Ct 2786, (1993).
931. Davis, T., and S. Mays. "Household Products as Possible Contaminants at Crime Scenes: An Evaluation Using Two Light Sources and Luminol." In *Northwest Association of Forensic Scientists*. Salt Lake City, Utah, 1996.
932. Dees, Timothy M. "Simplifying Blood Spatter Analysis at the Crime Scene." *Law Enforcement Technology* 22, no. 8 (1995): 42-44.
933. Drelich, J., J.D. Miller, A. Kumar, and G.M. Whitesides. "Wetting Characteristics of Liquid Drops at Heterogeneous Surfaces." *Colloids and Surfaces A: Physicochemical and Engineering Aspects* 93, no. C (1994/// 1994): 1-13.
934. Eggers, J. "Theory of Drop Formation." *Physics of Fluids* 7, no. 5 (1995): 941-53.
935. Elliot, D.A., A. Lavis, K.S.N. Callaghan, K.J. Ferguson, R.T. Fleming, L.M. Melia, and K.A. Murphy. "The Effects of Fingerprinting Techniques on Blood Grouping and DNA Analysis." Auckland, New Zealand: Institute of Environmental Science and Research, 1995.
936. Englert, R. "Pulverised Bright Green Threads and High Velocity Blood Spatter Unravel the Mystery of a Crime: A Homicide Case Study with No Body." *International Association of Bloodstain Pattern Analysts News* 12, no. 1 (1996): 15.
937. Epstein, B. "Examination of Bloody Clothing." In *IABPA Conference*. Colorado Springs, Colorado, 1992.
938. Evett, I.W. "Expert Evidence and Forensic Misconceptions of the Nature of Exact Science." *Science & Justice* 36, no. 2 (1996): 118-22.
939. Findley, J.F., and J.C. Findley. "Ultraviolet Light and Bloodstain Analysis." *International Association of Bloodstain Pattern Analysts News* 12, no. 1 (1996 1996): 4-9.
940. Fischer, W.C. "Addressing Bloodstain in a Three Dimensional Coordinate Axis System." *International Association of Bloodstain Pattern Analysts News* 10, no. 3 (10-15 October 1994): 3-13.
941. *The Forensic Aspects of the Velevska Murders* Detective Inspector Scott Whyte (1994).
942. Fujimoto, H., and N. Hatta. "Deformation and Rebounding Processes of a Water Droplet Impinging on a Flat Surface above Leidenfrost Temperature." *Journal of Fluids Engineering* 118 (1996): 143-49.
943. Fukai, J., Y. Shiiba, T. Yamamoto, O. Miyatake, D. Poulikakos, C.M. Megaridis, and Z. Zhao. "Wetting Effects on the Spreading of a Liquid Drop.Let Colliding with a Flat Surface: Experiment and Modelling." *Physics of Fluids* 7, no. 2 (1995): 236-47.
944. Fukai, J., Z. Zhao, D. Poulikakos, C.M. Megaridis, and O. Miyatake. "Modelling of the Deformation of a Liquid Droplet Impinging Upon a Flat Surface." *Physics of Fluids* 5, no. 11 (1993): 2588-99.
945. Fukanuma, H., and A. Ohmori. "Behavior of Molten Droplets Impinging on Flat Surfaces." In *7th National Thermal Spray Conference*. Boston, Massachusetts, 1994.
946. Gardner, R.M. "The Role of Logic in Bloodstain Analysis and Crime Scene Reconstruction." *International Association of Bloodstain Pattern Analysts News* 8, no. 3 (1992): 15-19.
947. Gardner, R.M. "Modelling Impact Spatter as a Method of Differentiation." In *International Association of Bloodstain Pattern Analysts News*, 1-15. Colorado Springs, Colorado, 1992.
948. Gardner, Ross M. "Computer Aided Analysis: Capabilities and Limitations- Part 1." *International Association of Bloodstain Pattern Analysts News* 11, no. 3 (1995): 15-22.
949. ——. "Considerations in Crime Scene Analysis." *International Association of Bloodstain Pattern Analysts News* 10, no. 2 (1994): 10-18.
950. Goodridge, C.L., W. Tao Shi, and D.P. Lathrop. "Threshold Dynamics of Singular Gravity-Capillary Waves." *The American Physical Society* 76, no. 11 (1996): 1824-27.

951. Griffin, T.J., and J.W. Anderson. "Out on a Tangent with Bloodstain Pattern Interpretation." *International Association of Bloodstain Pattern Analysts News* 9, no. 1 (1993): 3-5.
952. Grotberg, J.B. "Pulmonary Flow and Transport Phenomena." *Ann. Rev. Fluid Mech* 26, no. 529- 571 (1994).
953. Hatta, N., H. Fujimoto, and H. Takuda. "Deformation Process of a Water Droplet Impinging on a Solid Surface." *Trans. ASME J. Fluids Eng.* 117 (1995): 394-401.
954. Henderson, D.C., and F.J. Micale. "Dynamic Surface Tension Measurement with the Drop Mass Technique." *J. Coll. Inter. Sci.* 158 (1993): 289-94.
955. Hentschel, P. R. "Bloodstain Pattern Analysis without a Scientific Calculator." 208-11: Presented at the International Association of Forensic Scientists, Dusseldorf, 1993.
956. Heslot, F., A.M. Cazabat, N. Fraysse, and P. Levinson. "Experiments on Spreading Droplets and Thin Films." *Adv. Coll. Inter. Sci.* 39 (1992): 129-45.
957. Hortola, P. "Sem Analysis of Red Blood Cells in Aged Human Bloodstains." *Forensic Science International* 55 (1992): 139-59.
958. Karger, B., R. Nusse, G. Schroeder, and S. Wustenbecker. "Backspatter from Experimental Close-Range Shots to the Head I-Macrobacspatter." *International Journal of Legal Medicine* 109 (1996): 66-74.
959. Karl, A., K. Anders, and A. Frohn. "Experimental Investigation of Droplet Deformation During Wall Collisions by Image Analysis." *Experimental and Numerical Flow Visualization* 172 (1993): 135-41.
960. Karl, A., K. Anders, M. Rieber, and A. Frohn. "Deformation of Liquid Droplets During Collisions with Hot Walls: Experimental and Numerical Results." *Part. Part. Syst. Charact.* 13 (1996): 186- 91.
961. Karl, A., M. Rieber, M. Schelkle, K. Anders, and A. Frohn. "Comparision of New Numerical Results for Droplet Wall Interactions with Experimental Results." *ASME 1996 Fluids Engineering Division Conference FED-Vol.* 236 (1996): 201-06.
962. Kish, P. E., and H.L MacDonell. "Absence of Evidence Is Not Evidence of Absence." *Journal of Forensic Identification* 46, no. 2 (1996 ): 160-64.
963. Kish, P.E., and H.L MacDonell. "Bloodstain Pattern Interpretation in Serial Murder Cases." *Journal of the Canadian Society of Forensic Science* 28, no. 4 (1995): 244.
964. Kumagai, R. "Analysis of Hemoglobin in Bloodstains Using High-Performance Liquid Chromatography." [In eng]. *Nihon Hoigaku Zasshi* 47, no. 3 (Jun 1993): 213-9.
965. Latsunus, P. "Measurement Survey." *International Association of Bloodstain Pattern Analysts News* 10, no. 3 (Sepember 1994 1994): 14-32.
966. Liu, H., E.J. Lavernia, and R.H. Rangel. "Modeling of Molten Droplet Impingement on a Non-Flat Surface." In *1994 International Mechanical Engineering Congress and Exposition*. Chicago, Ill., 1994.
967. Liu, W., G.X. Wang, and E.F. Matthys. "Thermal Analysis and Measurements for a Molten Metal Drop Impacting on a Substrate." *Int . J. Heat Mass Transfer* 38 (1995): 1387-95.
968. MacDonell, H. L . "No More Strings, No More Computers, Just Simple Mathematics, That's All It Takes." *International Association of Bloodstain Pattern Analysts News* 12, no. 1 (1996): 10-14.
969. MacDonell, H.L. "Balthazard Was Great, but He Didn't String Us Along." *International Association of Bloodstain Pattern Analysts News* 11, no. 1 (1995): 10-13.
970. ——. "No More Strings, No More Computers, Just Simple Mathematics, That's All It Takes." *I.A.B.P.A Newsletter* 12, no. 1 (1996): 10-14.
971. ——. "A Scientist's Comments on the Police Officer as a Bloodstain Analyst."

- International Association of Bloodstain Pattern Analysts News* 10, no. 2 (1994): 6-9.
972. MacDonell, H.L. "Commentry on Pizzola *Et Al.*" *Journal of Forensic Science* 40, no. 6 (1995): 928- 29.
973. ——. "Crime Scene Evidence-Blood Spatters and Smears and Other Physical Evidence." *Quinnipiac Health Law Journal* (1996): 1-9.
974. ——. "Segments of History in the Documentation of Bloodstain Pattern Interpretation-Segment 01:1901-1910." *International Association of Bloodstain Pattern Analysts News* 8, no. 4 (1992): 5-22.
975. ——. "Segments of History: The Literature of Bloodstain Pattern Interpretation-Segment 03: Literature from 1921-1930." *International Association of Bloodstain Pattern Analysts News* 10, no. 1 (1994): 6-14.
976. ——. "Segments of History: The Literature of Bloodstain Pattern Interpretation-Segment 00: Literature through the 1800s." *International Association of Bloodstain Pattern Analysts News* 8, no. 1 (1992): 3-12.
977. ——. "Segments of History: The Literature of Bloodstain Pattern Interpretation-Segment 02: Literature from 1911 -1920." *International Association of Bloodstain Pattern Analysts News* 9, no. 2 (1993): 4-10.
978. MacDonell, H.L., and P.E. Kish. "Absence of Evidence Is Not Evidence of Absence." *Journal of Forensic Identification* 46, no. 2 (1996): 160-64.
979. MacDonell, Herbert Leon. *Bloodstain Patterns*. Corning, New York: Laboratory of Forensic Science, 1993.
980. Marchi, S.C., H. Liu, A. Sickinger, E. Muhlenberg, E.J. Lavernia, and R.H. Rangel. "Numerical Analysis of the Deformation and Solidification of a Single Droplet Impinging onto a Flat Substrate." *J. Mat. Sci.* 28 (1993): 3313-21.
981. Marmanis, H., and S.T. Thoroddsen. "Scaling of the Fingering Pattern of an Impacting Drop." *The Physics of Fluids* 8, no. 6 (1996): 1344-46.
982. Matsuoka, T., T. Taguchi, and J. Okuda. "Estimation of Bloodstain Age by Rapid Determinations of Oxyhemoglobin by Use of Oxygen Electrode and Total Hemoglobin." [In eng]. *Biol Pharm Bull* 18, no. 8 (Aug 1995): 1031-5.
983. Miller, S.A., and M.S. Jones. "Kinematics of Four Methods of Stabbing: A Preliminary Study." *Forensic Science International* 82 (1996): 183-90.
984. Mosher, S.L., and R. Engels. "Luminol Photography." *International Association of Bloodstain Pattern Analysts News* 10, no. 4 (1994): 7-16.
985. Mundo, C., M. Sommerfeld, and C. Tropea. "Droplet-Wall Collisions: Experimental Studies of the Deformation and Breakup Process." *Int. J. Multiphase Flow* 21 (1995): 151-73.
986. Orme, M., C. Huang, and J. Courter. "Deposition Strategies for Control of Microstructures Microporosity and Surface Roughness in Droplet-Based Solid Freeform Fabrication of Structural Materials." In *Melt Spinning, Strip Casting and Slab Casting*, edited by E. F. Matthys and W. G. Truckner. 125-43. Warrendale Pennsylvania: The Minerals, Metals and Materials Society, 1996.
987. Orofino, S. "Daubert V. Merrell Dow Pharmaceuticals Inc: The Battle over Admissibility Standards for Scientific Evidence in Court." *Journal of Undergraduate Science* 3 (1996): 109-11.
988. Ostermeyer, D. "Bloodstain Pattern Identification Subcommittee Annual Report." *Journal of Forensic Identification* 44, no. 2 (1994): 209-14.
989. Pasandideh-fard, M., and J. Mostaghimi, eds. *Thermal Spray : Practical Solutions for Engineering Problems (Droplet Impact and Solidification in a Thermal Spray Process: Droplet- Substrate Interactions)*. edited by c.c. Berndt: ASM international, Materiials Park, Ohio, USA, 1996.

990. Pasandideh-Fard, M., Y. M. Qiao, S. Chandra, and J. Mostaghimi. "Capillary Effects During Droplet Impact on a Solid Surface." *Physics of Fluids* 8, no. 3 (1996): 650-59.
991. Penhouët, L., A. Laurent, J. Dufaux, A. L. Bailly, J. J. Durussel, M. Bonneau, L. Domas, and J. J. Merland. "Blood Viscosity Comparison and Red Blood Cells Aggregation in Three Species (Human, Pig, Sheep) before and after Addition of Contrast Medium." *Etude rhéologique de mélanges sang - Produit de contraste chez trois espèces (homme, porc, mouton)* 21, no. 3-4 (1996): 189-95.
992. Pizzola, P.A., and P.R. De Forest. "Author's Response to Macdonell, H.L.". *Journal of Forensic Sciences* 40, no. 6 (1995): 930-31.
993. Ratnoff, Oscar D. "Blood." In *Physiology*, edited by Robert M. Berne and Matthew N. Levy. St Louis: Mosby Year Book, 1993.
994. Raymond, M., E. Smith, and J. Liesegang. "Oscillating Blood Droplets - Implications for Crime Scene Reconstruction." *Science & Justice* 36, no. 3 (1996): 161-71.
995. ——. "The Physical Properties of Blood - Forensic Considerations." *Science & Justice* 36, no. 3 (1996): 153-60.
996. Raymond, M.A., Liesegang J., and Smith E.R. "High Speed Cinematography of Blood Droplet Deformation in Flight - Implications for Crime Scene Reconstruction." In *International Association of Forensic Science*, 200-07. Dusseldorf: International Association of Forensic Science, 1995.
997. Raymond, M.A., E.R. Smith, and J. Liesegang. "The Physical Properties of Blood - Forensic Considerations." *Science & Justice* 36, no. 3 (1996): 153-60.
998. Reed, C.M., and N. Wilson. "The Fundamentals of Absorbency of Fibres, Textile Structures and Polymers. I: The Rate of Rise of a Liquid in Glass Capillaries." *J. Phys. D: Appl. Phys.* 26 (1993): 1378-81.
999. Reeves, N.H. "The Police Officer as a Bloodstain Pattern Analyst." *International Association of Bloodstain Pattern Analysts News* 10, no. 2 (1994): 3-9.
1000. Rein, M. "The Transitional Regime between Coalescing and Splashing Drops." In *Iutam Symp. On Waves in Liquid/Gas and Liquid/Vapor Two Phase Systems*, edited by S. Morioka and L. van Wijngaarden. 171-90: Kluwer, 1996.
1001. ——. "Wave Phenomena During Droplet Impact." In *Iutam Symp. On Waves in Liquid/Gas and Liquid/Vapor Two Phase Systems*, edited by S. Morioka and L. van Wijngaarden. 171-90: Kluwer, 1995.
1002. Rein, Martin. "Phenomena of Liquid Drop Impact on Solid and Liquid Surfaces." *Fluid Dynamics Research* 12 (1993): 61-93.
1003. Ristenbatt, R.R., III, and R.C. Shaler. "A Bloodstain Pattern Interpretation in a Homicide Case Involving an Apparent 'Stomping'." *Journal of Forensic Sciences* 40, no. 1 (January 1995 1995): 139-45.
1004. Ristenbatt, R.R., and R.C. Shaler. "Author's Response to Macdonell, H.L.". *Journal of Forensic Sciences* 40, no. 6 (1995): 929-30.
1005. Robbins, K.S. "Suggested labpa Terminology List." *International Association of Bloodstain Pattern Analysts News* 12, no. 4 (1996): 15-17.
1006. Robbins, Kelly S. "Bloodstain Pattern Analysis Terminology." *International Association of Bloodstain Pattern Analysts News* 12, no. 4 (1996): 15-17.
1007. Sarpkaya, T. "Voricity, Free Surface, and Surfactants." *Ann. Rev. Fluid Mech* 28, no. 83-128 (1996).
1008. Scheller, Brian I., and Douglas w. Bousfield. "Newtonian Drop Impact with a Solid Surface." *AIChE* 41, no. 6 (1995): 1357-67.
1009. Shi, M.H., T C Bai, and J Yu. "Dynamic Behavior and Heat Transfer of a Liquid Droplet Impinging on a Solid-Surface." *Experimental thermal fluid Science* 6, no. 2 (1993): 202-07.

1010. Shi, X. D., M. P. Brenner, and S. R. Nagel. "A Cascade of Structure in a Drop Falling from a Faucet." *Science* 265, no. 5169 (Jul 8 1994): 219-22.
1011. Shi, X.D., M.P. Brenner, and S.R. Nagel. "A Cascade of Structure in a Drop Falling from a Faucet." *Science* 265, no. 5169 (1994): 219.
1012. Sommerfeld, M.M., and C. Tropea. "Drop-Wall Collisions: Experimental Studies of Deformation and Breakup Process." *Journal of Multiphase Flow* 21, no. 2 (1995): 151-73.
1013. Stokes, M; Emes, A; Price, C. "The Arterial Pump a Device for Simulating Arterial Bleeding." In *MPFSL-REPORT*, 1-15, 1994.
1014. Stone, H.A. "Dynamics of Drop Deformation and Break up in Viscous Fluids." *Ann. Rev. Fluid Mech* 26 (1994): 65-102.
1015. Stone, I.C. "Characteristics of Firearms and Gunshot Wounds as Markers of Suicide." *American Journal of Forensic Medicine & Pathology* 13 (1992): 275-80.
1016. Stratford V Mot [1992] 1 Nzlrl 486, (1992).
1017. Sutton, T. Paulette. "Blood Spatter Analysis." In *National College of District Attorneys*, 1996.
1018. Sweet, M.J. "Velocity Measurements of Projected Bloodstains from a Medium Velocity Impact Source." *Journal of the Canadian Society of Forensic Science* 26, no. 3 (1993): 103-10.
1019. Thurston, G.B. "Viscoelastic Properties of Blood and Blood Analogues." *Advances in hemodynamics and hemorheology* 1 (1996): 1-30.
1020. Tomash, M.C. "A Preliminary Study: How Fire May Affect Crime Scene Bloodstains." *International Association of Bloodstain Pattern Analysts News* 11, no. 3 (1995): 23-34.
1021. Trapaga, G., E. F. Mathys, J. J. Valencia, and J. Szekely. "Fluid Flow, Heat Transfer and Solidification of Molten Metal Droplets Impinging on Substrates: Comparison of Numerical and Experimental Results." *Metallurgical Transactions B* 23 (1992): 701-18.
1022. Varnon, J., M. Courtney, and T.R. Ekis. "Self-Wounding of Assailants During Stabbing and Cutting Events." 1995.
1023. Veilleux, Danny R. "Admissibility, in Criminal Prosecution, of Expert Opinion Evidence as to "Blood Spatter" Interpretation." In *American Law Reports*, 369 - 450, 1992.
1024. Velev, O. D., K. Furusawa, and K. Nagayama. "Assembly of Latex Particles by Using Emulsion Droplets as Templates .2. Ball-Like and Composite Aggregates." *Langmuir* 12, no. 10 (May 15 1996): 2385-91.
1025. Waldoch, T.L. "Chemical Detection of Blood after Dilution by Rain over a 72 Day Period." *Journal of Forensic Identification* 46, no. 2 (1996): 173-77.
1026. Waldvogel, J.M. "Transport Phenomena and Solidification in Picoliter Solder Droplet Deposition." Ph.D., University of Illinois at Chicago, 1995.
1027. Watanabe, T., I. Kurabayashi, T. Honda, and A. Kanzawa. "Deformation and Solidification of a Droplet on a Cold Substrate." *Chem. Eng. Sci.* 47 (1992): 3059-65.
1028. Weinstein, L.M. "Large-Field High-Brightness Focusing Schlieren System." *American Institute of Aeronautics and Astronautics Journal* 31, no. 7 (1993): 1250-55.
1029. Wolson, T.L. "Bloodstain Pattern Documentation Workshop." 1-16. Miami, Florida: Metro-Dade Police Department, 1992.
1030. ——. "Documentation of Bloodstain Pattern Evidence." *Journal of Forensic Identification* 45, no. 4 (1995): 396-408.
1031. Yarin, A.L., and D.A. Weiss. "Impact of Drops on Solid Surfaces: Self-Similar Capillary Waves, and Splashing as a New Type of Kinematic Discontinuity." *J. Fluid Mech.* 283 (1995): 141-73.
1032. Zhang, X., and O.A. Basaran. "An Experimental Study of Dynamics of Drop Formation." *Physics of Fluids* 7, no. 6 (1995): 1184-203.
1033. Zhao, Z., D. Poulikakos, and J. Fukai. "Heat Transfer and Fluid Dynamics During the Collision of a Liquid Droplet on a Substrate: li-Experiments." *International Journal Heat Mass transfer*

39 (1996): 2791-802.

## 1982-1991

1034. Adler, P.M., A. Nadim, and H. Brenner. "Rheological Models of Suspensions." *Advances in Chemical Engineering* 15 (1990): 1-72.
1035. Allman, D.S., and C.A. Pounds. "Diaminobenzidine: A Simple Safe and Sensitive Method for the Enhancement of Blood Marks at the Scene of Crime and in the Laboratory." UK: Central Research and Support Establishment, 1991.
1036. Anderson, J.W. "Sherlockian Theories." In *Canadian Society of Forensic Science and International Association of Bloodstain Pattern Analysts*, 3-19. Montreal, Canada: International Association of Bloodstain Pattern Analysts, 1991.
1037. Anderson, John Wesley. "Bloodstain Pattern Interpretation – the State of the Art." *The Colorado Policeman*, no. November/December (1991).
1038. Anonymous. "Bloodspatter Evidence." In *Indianapolis Marion County Crime Laboratory Bulletin*, 1991.
1039. ——. "Bloodstain Pattern Interpretation." *Identification Canada* 10, no. 4 (1987): 7-10.
1040. Beard, K.V. "Raindrop Oscillations: Evaluation of a Potential Flow Model with Gravity." *Journal of the Atmospheric Sciences* 41, no. 10 (1984): 1765-74.
1041. Beard, K.V. , R.J. Kubesh, and H.T Ochs. "Laboratory Measurements of Small Raindrop Distortion. Part I: Axial Ratios and Fall Behaviour." *Journal of the Atmospheric Sciences* 48, no. 5 (1991): 698-710.
1042. Beard, K.V., and C. Chuang. "A New Model for the Equilibrium Shape of Raindrops." *Journal of the Atmospheric Sciences* 44, no. 11 (1987): 1509-24.
1043. Beard, K.V., J.Q. Feng, and C. Chuang. "A Simple Perturbation Model for the Electrostatic Shape of Falling Drops." *Journal of the Atmospheric Sciences* 46, no. 15 (1989): 2404-18.
1044. Beard, K.V., and D.B. Johnson. "Raindrop Axial and Backspatter Ratios Using Collisional Probability Model." *Geophysical Research Letters* 11, no. 1 (1984): 65-68.
1045. Beard, K.V., Och, and R.J. Kabesh. "Natural Oscillations of Small Raindrops." *Nature* 342 (1989): 408-10.
1046. Beard, K.V., and H.T Ochs. "Wake-Excited Raindrop Oscillations." *Annalen der Meterologie* 25 (1988): 7-8.
1047. Bevel, T. "Geometric Bloodstain Interpretation." *FBI Law Enforcement Bulletin*, 1983.
1048. Bevel, T., and L. Conn. "Stop Motion Photography of Bloodstains." *International Association of Bloodstain Pattern Analysts News* 3 (1987): 1-13.
1049. Birdi, K S, D T Vu, and A Winter. "A Study of the Evaporation Rates of Small Water Drops Placed on a Solid Surface." *Journal of Physical Chemistry B* 93 (1989): 3702-03.
1050. Bohm, E. "Structural Principles of Hemostatic Processes." *Forensic Science International* 33 (1987): 7-22.
1051. Brinkmann, B. "Expertisen an Biologischen." *Zeitschrift fur Rechtsmedizin* 100 (1988): 39-54.
1052. Brinkmann, B., B. Madea, and S.P. Rand. "Factors Influencing the Morphology of Bloodstain". *BEITR GERICHTL MED* 44 (1986): 67-73.
1053. Brinkmann, B., Madea, B., Rand, S. "Charakterisierung Von Mikroblutspuren (Charactistics of Micro-Bloodstains)." *Zeitschrift fur Rechtsmedizin* 94, no. 3 (1985): 237-44.
1054. Bunker, J.L. "Bloodstain Evidence Manual." 1-35: Doje's Press, 1985.
1055. ——. "Bloodstains and Patterns - 40 Hour Basic Course Requirements." *International Association of Bloodstain Pattern Analysis News* 7, no. 3 (1991): 3-7.
1056. Bunker, Judith L. "Documenting and Reconstructing Blood Scenes. A Presentation before the Rocky Mountain Association of Bloodstain Pattern Analysts." Jefferson County, Colorado.: Advanced Bloodstain Pattern Course, 1991.
1057. Burnett, B.R. "Detection of Bone and Bone-Plus-Bullet Particles in Backspatter from

- Close- Range Shots to Heads." *Journal of Forensic Science* 36, no. 6 (1991): 1745-52.
1058. Cai, Y.K. "Phenomena of a Liquid Drop Falling to a Liquid Surface." *Experiments in Fluids* 7 (1989): 388-94.
1059. Carter, A.L. "Ballistic Trajectories of Blood: Computer Applications and Workshop." In *International Association of Bloodstain Pattern Analysts Annual Conference*. Reno, Nevada, 1990.
1060. Carter, A.L., and E.J. Podworny. "Bloodstain Pattern Analysis with a Scientific Calculator." *Journal of the Canadian Society of Forensic Science* 24, no. 1 (1991// 1991): 37-42.
1061. ———. "Computer Modeling of the Trajectories of Blood Droplets and Bloodstain Pattern Analysis with a Pc Computer." In *International Association of Bloodstain Pattern Analysts Annual Conference*, 1-7. Dallas, Texas, 1989.
1062. Cazabat, A.M. "How Does a Droplet Spread?". *Contemp. Phys.* 28 (1987): 347-64.
1063. Chamberlain V R, Gibbs C.J., Mason, Murphy, Brennan, Deane, JJ. (1984).
1064. Chandra, S., and C.T. Avedisian. "On the Collision of a Droplet with a Solid Surface." *Proceedings from the Royal Society of London* 432 (1991): 13-41.
1065. Chandrasekar, V., W.A. Cooper, and V.N. Bringi. "Axis Ratios and Oscillations of Raindrops." *Journal of the Atmospheric Sciences* 45, no. 8 (1988): 1323-32.
1066. Chen, J.D. "Experiments on a Spreading Drop and Its Contact Angle on a Solid." *J. Coll. Inter. Sci.* 122 (1988): 60-72.
1067. Ching, B., M.W. Golay, and T.J. Johnson. "Droplet Impacts Upon Liquid Surfaces." *Science* 226, no. 4674 (1984): 535-37.
1068. Christman, D.V. ""Expirated Bloodstain Patterns". 1-5, 1991.
1069. Chuang, C., and K.V. Beard. "A Numerical Model for the Equilibrium Shape of Electrified Raindrops." *Journal of the Atmospheric Sciences* 47, no. 11 (1990): 1374-88.
1070. Chuang, C.C, and K.V. Beard. "A Model of the Electrostatic-Aerodynamic Shape of Raindrops." *Annalen der Meteologie* 25 (1988): 31-32.
1071. Concheiro, L., A. Carracedo, and F. Guitian. "The Use of Scanning Electron Microscopy in the Examination of Seminal Stains." *Forensic Science International* 19 (1982 1982): 185-88.
1072. Cortner, G.V. "Crime Scene Reconstruction: A Case of Blood Stain Interpretation Five Years after the Crime Occurred." *Tieline* 11, no. 1 (1986): 50-55.
1073. Cox, M. "A Study of the Sensitivity and Specificity of Four Presumptive Tests for Blood." *Journal of Forensic Science* 26, no. 5 (1991): 1503-11.
1074. Czys, R.R., and H.T Ochs. "The Influence of Charge on the Coalescence of Water Drops in Free Fall." *Journal of the Atmospheric Sciences* 45, no. 21 (1988): 3161-68.
1075. De Forest, P.R., and D. Crim. "A Review of Interpretation of Bloodstain Evidence at Crime Scenes." *Journal of Forensic Sciences* 35, no. 6 (1990): 1491-95.
1076. De Forest, R., R.E. Gaenslen, and H.C. Lee. *Forensic Science: An Introduction to Criminalistics*. McGraw-Hill Series in Criminology & Criminal Justice. USA: McGraw-Hill Companies, 1983. doi:0070162670.
1077. Derrida, B., C. Godreche, and I. Yekutieli. "Scale-Invariant Regimes in One-Dimensional Models of Growing and Coalescing Droplets." *Physical Review A* 44, no. 10 (1991): 6241-51.
1078. Doherty, P.E., Mooney, D.J. "Deciphering Bloody Imprints through Chemical Enhancement." *Journal of Forensic Sciences* 35, no. 2 (1990): 457-65.
1079. Durbin, P.A. "Considerations on the Moving Contact-Line Singularity, with Application to Frictional Drag on a Slender Drop." *J. Fluid Mech.* 197 (1988): 157-69.
1080. Eroglu, H. , N. Chigier, and Z. Farago. "Coaxial Atomizer Liquid Intact Lengths." *Physics of Fluids* 3, no. 2 (1991): 303-08.

1081. Faddeyev, I.P., S.L. Khaviya, and B.Yu. Mosenzhnik. "Oblique Impingement of a Spherical Liquid Droplet on a Solid Wall." *Fluid Mechanics-Soviet Research* 17, no. 3 (1988): 38-44.
1082. Field, J.E., J.P. Dear, and J.E. Ogren. "The Effects of Target Compliance on Liquid Drop Impact." *J. Appl. Phys.* 62, no. 2 (1988): 533-40.
1083. Fischer, J.F. "The Enhancement of Bloodprints by Chemical Methods and Laser-Induced Fluorescence." *Identification News* 34, no. 4 (1984): 2-5.
1084. Gardner, R.M. "Blood Dynamics." International Association of Forensic Identification, 1991.
1085. Gimeno, F.E., and J.A. Rini. "Fill Flash Photo Luminescence to Photograph Luminol Blood Stain Patterns." *Journal of Forensic Identification* 39, no. 3 (1989): 149-55.
1086. Grispino, R.R.J. "The Effect of Luminol on the Serological Analysis of Dried Human Bloodstains." *Crime Laboratory Digest* 17, no. 1 (1990): 13-23.
1087. Haag, L.C. "A Method for Improving the Griess and Sodium Rhodizonate Tests for Gsr Patterns on Bloody Garments." *Southwestern Association of Forensic Scientists Journal* 13, no. 1 (1991): 13-18.
1088. Hetzel, R.L. "Detecting Bloodstain Evidence at Crime Scenes: The Use and Photography of Luminol." (1991).
1089. Hocking, L.M., and A.D. Rivers. "The Spreading of a Drop by Capillary Action." *J. Fluid Mech.* 121 (1982): 425-42.
1090. Hurley, N.M., and J.O. Pex. "Sequencing of Bloody Shoe Impressions by Blood Spatter and Blood Droplet Drying Times." *International Association of Bloodstain Pattern Analysts News* 6, no. 4 (1990): 1-8.
1091. Kodet-Sherwin, L., P.A. Pizzola, J.C. Perkins, and P.R. De Forest. "Bloodstain Pattern Interpretations- Secondary Spatter." In *40th Annual Meeting of the American Academy of Forensic Sciences*. Philadelphia, PA, 1988.
1092. Korobkin, A.A., and V.V. Pukhnachov. "Initial Stage of Water Impact." *Ann. Rev. Fluid Mech* 20 (1988): 159-85.
1093. Laber, Terry. "Bloodspatter Classification." *International Association of Bloodstain Pattern Analysts News* 2, no. 4 (1985): 44-55.
1094. Laber, Terry. L. . "Diameter of a Bloodstain as a Function of Origin, Distance Fallen, and Volume of a Drop." *International Association of Bloodstain Pattern Analysts News* 2, no. 1 (1985): 12- 16.
1095. Laux, D.L. "Effects of Luminol on the Subsequent Analysis of Bloodstains." *Journal of Forensic Science* 36, no. 5 (1991): 1512-20.
1096. Lee, H.C. "Estimation of Original Volume Bloodstains." *Identification News* 36, no. 4 (1986): 1-3.
1097. Lee, H.C., R.E. Gaenslen, and E.M. Pagliaro. "Bloodstain Volume Estimation." *International Association of Bloodstain Pattern Analysts News* 3, no. 2 (1986): 47-55.
1098. Loehr, K. F. "Etalement Et Éclatement De Gouttes." L'Université Pierre et Marie Curie 66. 1990.
1099. MacDonell, H.L. "Beverley Isn't Here, We See Her Face No More, Neville Knew It Wasn't H<sub>2</sub>O, He Used. ". *Journal of the Canadian Society of Forensic Science* 23, no. 4 (1990): 133.
1100. ——. "Report on the Beating of Mrs. Pamela Mcleod-Lindsay." Corning, New York, 1991.
1101. MacDonell, H.L. "Bloodstain Pattern Interpretation." *Corning, New York, Laboratory of Forensic Science* (1982).
1102. MacDonell, H.L., and K. DeLije. "On Measuring the Volume of Very Small Drops of Blood and Correlation of This Relationship to Bloodstain Diameter." In *International Association of Bloodstain Pattern Analysts News*, 5th Meeting Dallas, Texas, 1989.
1103. Madea, B., W. Sander, B. Brinkmann, and S. Rand. "Morphologische Blutspurenanalyse

- Am Histologischen Schnitt." *Beitrag zur Gerichtlichen Medizin* 44 (1986): 81-85.
1104. Madejski, J. "Droplets on Impact with a Solid Surface." *International Journal of Heat and Mass Transfer* 26 (1983): 1095-98.
1105. Min, Jingchun, Mituo Sako, and Yoshihiro Kikuchi. "Effect of Coating on the Process of Evaporation of a Droplet." *Nippon Kikai Gakkai Ronbunshu, B Hen/Transactions of the Japan Society of Mechanical Engineers, Part B* 57, no. 539 Jul (1991): 2323-28.
1106. Murphy, G.K. "'Beaten to Death' an Autopsy Series of Homicidal Blunt Force Injuries." *The American Journal of Forensic Medicine and Pathology* 12, no. 2 (1991): 98-101.
1107. Neogi, P., and C.A. Miller. "Spreading Kinetics of a Drop on a Rough Solid Surface." *J. Coll. Inter. Sci.* 92 (1983): 338-49.
1108. ———. "Spreading Kinetics of a Drop on a Smooth Solid Surface." *J. Coll. Inter. Sci.* 86 (1982): 525-38.
1109. Nutt, J. "Latent Prints in Blood." *Identification News* 33, no. 10 (1983): 10-11.
1110. Ontario, Ontario Centre of Forensic Science. "Bloodstain Pattern Interpretation." *Identification Canada* 10, no. 1 (1987): 7-10.
1111. Parker, N.L., L.R. Bedore, K.K. Cooper, P. Fowler, T.A. Miller, and J. Showalter. "Summary Report of Bloodstain Pattern Analysis Research Group." 1-91, 1982.
1112. Peregrine, D.H., G. Shoker, and A. Symon. "The Bifurcation of Liquid Bridges." *Journal of Fluid Mechanics* 212 (1990): 25-39.
1113. Perel'man, R.G. "Effect of Gas Medium on the Dimensions of the Contact Area in High-Speed Droplet Impact on a Target." *Fluid Mechanics-Soviet Research* 4, no. 6 (1988): 108-13.
1114. Perkins, J.D. "Luminol - What's Glowing On?". *Southwestern Association of Forensic Scientists Journal* 13, no. 2 (1991): 19-22.
1115. Pex, J.O., and C.H. Vaughan. "Observations of High Velocity Bloodspatter on Adjacent Objects." *Journal of Forensic Sciences* 32, no. 6 (1987): 1587-94.
1116. Pizzola, P.A. "Blood Droplet Dynamics and Their Implication for Bloodstain Pattern Analysis at Crime Scenes." Master's Thesis, John Jay College of Criminal Justice, 1984.
1117. Pizzola, P.A., L. Kodet-Sherwin, J.C. Perkins, and P.R. De Forest. "Bloodstain Pattern Interpretation - Secondary Spatter (Abstract)." *Journal of the Canadian Society of Forensic Science* 20, no. 3 (1987): 77.
1118. Pizzola, P.A., S. Roth, and P.R. De Forest. "Blood Droplet Dynamics- II." *Journal of Forensic Sciences* 31, no. 1 (1986/// 1986): 50-64.
1119. ———. "Blood Droplet Dynamics-I." *Journal of Forensic Sciences* 31, no. 1 (1986 1986): 36-49.
1120. Pizzola, P.A., L.K. Sherwin, J.C. Perkins, and P.R. De Forest. "A Critical Assessment of the Phenomenon of Gunshot Backspatter." In *40th Annual Meeting of the American Academy of Forensic Sciences*. Philadelphia, PA, 1988.
1121. Poddubenko, V.V., and R.M. Yablonik. "Impact of a Droplet on a Solid Surface." *Fluid Mechanics-Soviet Research* 19, no. 3 (1990): 111-16.
1122. Rallison, J.M. "The Deformation of Small Viscous Drops and Bubbles in Shear Flows." *Ann. Rev. Fluid Mech* 16 (1984): 45-66.
1123. Rand, S., B. Madea, and B. Brinkmann. "On the Classification of Bloodstain Patterns in Case of Splashes Caused by Impact ". *Beitr Gerichtl Med* 44 (1986): 75-80.
1124. Raymond, M.A., and R.L. Hall. "An Interesting Application of Infra-Red Reflection Photography to Blood Splash Pattern Interpretation." *Forensic Science International* 31 (1986): 189-94.
1125. Reitz, R.D., and F.V. Bracco. "Mechanism of Atomization of a Liquid Jet." *Physics of Fluids* 25, no. 10 (1982): 1730-42.

1127. Rob, S.J. "A Trial Attorney's Primer on Blood Spatter Analysis." Department of the Army Pamphlet 27-50-188, 1988.
1128. Rodriguez, F., and R. Mesler. "The Penetration of Drop-Formed Vortex Rings into Pools of Liquid." *The Journal of Colloid and Interface Science* 121, no. 1 (1988): 121-29.
1129. Sakurai, H., K. Tsuchiya, Y. Fujita, and K. Okada. "Dating of Human Blood by Electron Spin Resonance Spectroscopy." *Naturwissenschaften* 76, no. 1 (1989): 24-25.
1130. Shi, M.H., and J.C. Chen. "Behaviour of a Liquid Droplet Impinging on a Solid Surface." *The American Society of Mechanical Engineers* 83-WA/HT-104 (1983).
1131. Skalak, R., N. Ozkaya, and T.C. Skalak. "Biofluid Mechanics." *Annual Review of Fluid Mechanics* 21 (1989): 167-204.
1132. Stephens, B.G., and T.B. Allen. "Back Spatter of Blood from Gunshot Wounds - Observations and Experimental Simulation." *Journal of Forensic Sciences* 28, no. 2 (1983): 437-39.
1133. Stone, H.A, B.J. Bentley, and L.G. Leal. "An Experimental Study of the Transient Effects in the Breakup of Viscous Drops." *Journal of Fluid Mechanics* 173 (1986): 131-58.
1134. Strani, M., and F. Sabetta. "Free Vibrations of a Drop in Partial Contact with a Solid Support." *J. Fluid Mech.* (1984): 233-47.
1135. Sundarrsan, M.K. "Elements of Physics Involved in the Flight Characteristics of Blood Droplets Lecture Notes." Ottawa: Carleton University, 1989.
1136. Templeman, H. "Errors in Blood Droplet Impact Angle Reconstruction Using a Protractor." *Journal of Forensic Identification* 40, no. 1 (1990): 15-22.
1137. Templeman, H. "Author's Reply to Letter by H. Macdonell on Errors in Blood Droplet Impact Angle Reconstruction Using a Protractor." *Journal of Forensic Identification* 40, no. 4 (1990): 193-94.
1138. Trapaga, G., and J. Szekeley. "Mathematical Modeling of the Isothermal Impingement of Liquid Droplets in Spraying Processes." *Metal. Trans. B* 22 (1991): 901-14.
1139. Tsurutani, K., M. Yao, J. Senda, and H. Fujimoto. "Numerical Analysis of the Deformation Process of a Droplet Impinging Upon a Wall." *JSME Int. J Ser. II* 33 (1990): 555-61.
1140. West, B.J., V. Bhargava, and A.L. Goldberger. "Beyond the Principle of Similitude: Renormalization in the Bronchial Tree." *American Physiological Society* 60, no. 3 (1986): 1089- 97.
1141. White, B. "Bloodstain Patterns on Fabrics: The Effect of Drop Volume, Dropping Height and Impact Angle." *Journal of the Canadian Society of Forensic Science* 19, no. 1 (1986): 3-36.
1142. Wickham, JJ., RM. Bauersachs, RB. Wenby, S. Sowernino-Coker, HJ. Meiselman, and R. Elsner. "Red Cell Aggregation and Viscoelasticity of Blood from Seal, Swine and Man.". *Biorheology* 27 (1990): 191-204.
1143. Wierzba, A. "Deformation and Breakup of Liquid Drops in at Nearly Critical Weber Numbers." *Experiments in Fluids* 9 (1990): 59-64.
1144. Wilson, F.E., and D.R. Schuessler. "Automated Geometric Interpretation of Human Bloodstain Evidence." *International Association of Bloodstain Pattern Analysts News* 2, no. 4 (1985): 36-43.
1145. ——. "Geometric Bloodstain Pattern Interpretation Using a Computer Program." *Crime Laboratory Digest*, 1987, 95-97.
1146. Wonder, A.Y. "Arterial Damage Bloodstain Patterns: Recognition and Differentiation (Abstract)." *Journal of the Canadian Society of Forensic Science* 20, no. 3 (1987): 77.
1147. ——. "Bloodstain Interpretation: An Introduction to the Five Stain Classifications." *NPRU-Bloodstain Pattern Analysis Bibliography Revision 4* Updated April 8, 2021 Page 68 of 76

- REV* 3, no. 1 (1987): 80-86.
1148. ——. "Food for Thought Regarding the Estimation of the Volume of an Average Drop of Blood Relative to Usage (Abstract)." *Journal of the Canadian Society of Forensic Science*, no. 3 (1987): 77.
1149. ——. "Of Forests and Trees - Bloodstain Dynamics (Abstract)." *J. Forensic Sci. Soc* 29, no. 5 (1989): 345.
1150. Xiong, T. Y., and M.C. Yuen. "Evaporation of a Liquid Droplet on a Hot Plate." *International Journal Heat and Mass Transfer* 34, no. 7 (1991): 1881-94.

## 1981-1972

1151. Adler, W.F. "Liquid Drop Collisions on Deformable Media." *Journal of Materials Science* 12 (1977): 1253-71.
1152. Allen, R.F. "The Role of Surface Tension in Splashing." *Journal of Colloid and Interface Science* 51, no. 2 (1975): 350-51.
1153. Anadere, I., H. Chmiel, H. Hess, and G.B. Thurston. "Clinical Blood Rheology." *Biorheology* 16 (1979): 171-78.
1154. Araki, K., and A. Moriyama. "Theory on Deformation Behavior of a Liquid Droplet Impinging onto Hot Metal Surface." *Transactions ISI* 21 (1981): 583-90.
1155. Bechtel, S.E., D.B. Bogy, and F.E. Talke. "Impact of a Liquid Drop against a Flat Substrate." *IBM J. Res. Develop.* 25 (1981): 963-71.
1156. Bogy, D.B. "Drop Formation in a Circular Liquid Jet." *Ann. Rev. Fluid Mech* 11 (1979): 207-28.
1157. Carroll, K., and R. Mesler. "Splashing Liquid Drops from Vortex Rings and Not Jets at Low Froude Numbers." *Journal of Applied Physics* 52, no. 1 (1981): 507.
1158. Cheng, L. "Dynamic Spreading of Drops Impacting onto a Solid Surface." *Ind Eng Chem Process Des Dev* 16, no. 2 (1977): 192-97.
1159. Chien, S. "Determinants of Blood Viscosity and Red Cell Deformability." *Journal of Clinical Laboratory Investigations* 156 (1981): 7-12.
1160. Foote, G.B. "The Water Drop Rebound Problem: Dynamics of Collision." *J. Atmos. Sci.* 32 (1975): 390.
1161. Goldsmith, H.L., and R. Skalak. "Hemodynamics." *Annu. Rev. Fluid Mechanics* 7 (1975): 213-47.
1162. Gonor, A.L., and V.Y. Yakovlev. "Dynamics of the Impact of a Drop on a Solid Surface." *Fluid Dynamics* 13, no. 1 (1978): 25-31.
1163. ———. "Impact of a Drop on Solid Surface." 767-71: Plenum Publishing Corporation, 1977.
1164. Hart, F. X., and C. A. Little III. "Student Investigation of Models for the Drag Force." *American Journal of Physics* 44, no. 9 (1976): 872-78.
1165. Higaki, R.S., and W.M.S. Philip. "A Study of Sensitivity, Stability and Specificity of Phenolphthalein as an Indicator Test for Blood. ." *Canadian Society of Forensic Science* 9, no. 3 (1976): 97-102.
1166. Howell, R.E. "Some Aspects of Bloodsplash Patterns " In *Third Australian National Symposium on the Forensic Sciences*, 1-10. Sydney, 1973.
1167. Jan, K., and S. Chien. "The Role of Surface Electric Charge in Red Blood Cell Interactions." *The Journal of General Physiology* 61 (1973): 638-54.
1168. Jones, H. "Cooling, Freezing and Substrate Impact of Droplets Formed by Rotary Atomization." *Journal of physics D: Applied physics* 4 (1971): 1657-60.
1169. Keller, J.B. "Spatial Instability of a Jet." *The Physics of Fluids* 16, no. 12 (1973): 2052-55.
1170. Kind, S. S., David Patterson, and G. W. Owen. "Estimation of the Age of Dried Blood Stains by a Spectrophotometric Method." *Forensic Science* 1, no. 1 (1972): 27-54.
1171. Kind, S. S., and M. Watson. "The Estimation of Blood Stain Age from the Spectrophotometric Properties of Ammoniacal Blood Stain Extracts." *Forensic Science* 2, no. 0 (1973): 325-32.
1172. Klett, J.D. "On the Break-up of Water Drops in Air." *Journal of the Atmospheric Sciences* 28 (1971): 646-47.
1173. Kumar, R., and Y.P. Sarahdy. "Drop Formation in Non-Newtonian Fluids." *Ind. Eng. Chem. Fundam.* 11, no. 3 (1972): 307-11.
1174. Lesser, M.B. "Analytic Solutions of Liquid-Drop Impact Problems." *Proc. Roy. Soc. London A* 377 (1981): 289-308.
1175. Levin, Z., and P.V. Hobbs. "Splashing of Water Drops on Solid and Wetted Surfaces:

- Hydrodynamics and Charge Separations." *Philos. Trans. R. Soc. London A* 269 (1971):555-85.
1176. List, R., and M.J. Hand. "Wakes of Freely Falling Water Droplets." *The Physics of Fluids* 14, no. 8 (1971): 1648-56.
1177. Lytle, L.T., and D.G. Hegecock. "Chemiluminescence in the Visualisation of Forensic Bloodstain." *Journal of Forensic Science* 23, no. 3 (1978): 550-62.
1178. MacDonell, H.L. "Institute on the Physical Significance of Bloodstain Evidence." *Identification News* 21, no. 7 (1974): 159-85.
1179. ———. "Preserving Bloodstain Evidence at Crime Scenes." *Law & Order*, 1977, 66-69.
1180. ———. "Reconstruction of a Homicide." *Law & Order* 25 (1977): 26-31.
1181. MacDonell, H.L., and B.A Brooks. "Detection and Significance of Blood in Firearms." *Legal Medicine Annual* (1977): 185-99.
1182. MacDonell, H.L. "Bloodstain Evidence." *Identification News* 24, no. 3 (1974): 11-12.
1183. ———. "Flight Characteristics and Stain Patterns of Human Blood." *Law Enforcement Assistance Administration, National Institute of Law Enforcement and Criminal Justice* (1971 1971): 1-77.
1184. ———. "Preserving Bloodstain Evidence." *Identification News* 27, no. 8 (1977): 10-12.
1185. MacDonell, H.L., and L.F. Bailousz. "Flight Characteristics and Stain Patterns of Human Blood." *Law Enforcement Assistance Administration, National Institute of Law Enforcement and Criminal Justice* (1971 1971): 1-77.
1186. MacDonell, H.L., and C.G Panchou. "Bloodstain Pattern Interpretation." *Identification News* 29, no. 2 (1979): 3-5.
1187. MacDonell, H.L., and C.G. Panchou. "Bloodstain Patterns on Human Skin." *Journal of the Canadian Society of Forensic Science* 12, no. 3 (1979): 134-41.
1188. Madejski, J. "Solidification of Droplets on a Cold Surface." *Int. J Heat Mass Transfer* 19 (1976): 1009-13.
1189. Mason, Paul R., and Michael J. Moloney. "Stokes's Law Correction." *American Journal of Physics* 45, no. 3 (1977): 305-06.
1190. Messler, H. "Untersuchungen Über Den Einfluß Textiler Spurenträger Auf Die Blutspur." Köln University, 1980.
1191. Messler, H., G. Berghaus, and G. Dotzauer. "Der Einfluß Textiltechnischer Größen Eines Spurenträgers Auf Das Erscheinungsbild Einer Blutspur". *Kriminalistik und forensische Wissenschaften* 44 (1981): 125-37.
1192. Mutchter, C.K., and C.L. Larson. "Splash Amounts from Waterdrop Impact on a Smooth Surface." *Water Resour. Res.* 7 (1971): 195-200.
1193. Picknett, R G, and R Bexon. "The Evaporation of Sessile or Pendant Drops in Still Air." *Journal of Colloid and Interface Science* 61, no. 2 (1977): 336-50.
1194. Rajamannar, K. "Determination of the Age of Bloodstains Using Immunoelectrophoresis." [In eng]. *J Forensic Sci* 22, no. 1 (Jan 1977): 159-64.
1195. Rallison, J.M. "Numerical Study of the Deformation and Burst of a Viscous Drop in General Shear Flows.". *Journal of Fluid Mechanics* 109 (1981/// 1981): 465-82.
1196. Ryan, R.T. "The Behaviour of Large, Low-Surface Tension Water Drops Falling at Terminal Velocity in Air." *Journal of Applied Meterology* 15, no. 2 (1976): 157-65
1197. Seliger, Laurie. "Forensic Considerations of the Physical Properties of Human Blood." New York: Elmira College, 1978.
1198. Spengler, J.D., and N.R. Gokhale. "Drop Impactions." *Journal of Applied Meterology* 12 (1972): 316-21.
1199. Stow, C.D., and M.G. Hadfield. "An Experimental Investigation of Fluid Flow Resulting from the Impact of a Water Drop with a Unyielding Dry Surface." *Proceedings of the Royal*

- Society of London* 373, no. 1755 (1981): 419-41.
1201. Stow, C.D., and R.D. Stainer. "The Physical Products of a Splashing Water Drop." *J. Meteorol. Soc. Jap.* 55 (1977): 518-31.
1202. Tanner, L.H. "The Spreading of Silicone Oil Drops on Horizontal Surfaces." *J. Phys. D: Appl. Phys* 12 (1979): 1473-84.
1203. Thornton, J.I. "Criminalistics - Past, Present and Future." *The International Journal of Law and Science* 11, no. 10 (1975): 1-44.
1204. ——. "Photography of Luminol Reaction in Crime Scenes." *Criminologist* 10, no. 37 (1977): 15-19.
1205. Thurston, G.B. "Viscoelasticity of Human Blood." *Biophysical Journal* 12 (1972).
1206. Ueda, T., T. Enomoto, and M. Kanetsuki. "Heat Transfer Characteristics and Dynamic Behavior of Saturated Droplets Impinging on a Heated Vertical Surface." *Bulletin of the JAME* 22, no. 167 (1979): 724-32.

## 1892-1971

1207. Abraham, F.F. "Functional Dependence of Drag Co-Efficient of a Sphere on Reynolds Number." *Physics of Fluids* 13, no. 8 (1970): 2194-99.
1208. Adam, J.R., N.R. Lendblad, and C.D. Hendricks. "The Collision, Coalescence, and Disruption of Water Droplets." *Journal of Applied Physics* 39, no. 11 (1968): 5173-80.
1209. Balthazard, V., R. Piedlievre, H. Desoille, and L. DeRobert. "Etude Des Gouttes De Sang Projete (Study of Projected Drops of Blood)." In *Annual Medecine Legale Criminol Police Science Toxicology*, 265-323. Paris, France: 22nd Congress of Forensic Medicine, 1939.
1210. Bayle, Edmond. "The Scientific Detective." *American Journal of Police Science* 2, no. 2 (1931): 166-67.
1211. Beard, K.V., and H. Pruppacher. "A Determination of the Terminal Velocity and Drag of Small Water Drops by Means of a Wind Tunnel." *Journal of the Atmospheric Sciences* 26 (1969): 1066- 72.
1212. Beck, Theodric Romeyn
1213. Beck, John B. *Elements of Medical Jurisprudence*. Philadelphia: Lippincott, 1863.
1214. Bischoff, M. "La Police Scientifique." Payot, Paris, 1938.
1215. Blanchard, D.C. "The Behaviour of Water Drops at Terminal Velocity in Air." *Transactions of the American Geophysical Union* 31, no. 6 (1950): 836-42.
1216. Bruening, A. "Beitraege Zur Untersuchung Und Beurteilung Von Geschossen, Waffen Und Einschuessen." *Arch Kriminol* 77 (1925): 81-94.
1217. Bruening, A., and F. Wiethold. "Die Untersuchung Und Beurteilung Von Selbstmorderschusswaffen." *Dtsch. Z. Ges. Gerichtl. Med* 23 (1934): 11-82.
1218. Casper, J.L. "Vierteljahrsschrift Fur Gerichtliche Und Offentliche Medicin." Berlin, 1856.
1219. Charm, S., and G. Kurland. "Viscometry of Human Blood for Shear Rates of 0 – 100,000s<sup>-1</sup>." *Nature* 206, no. 617-618 (1965).
1220. Charm, S.E., and G.S. Kurland "Discrepancy in Measuring Blood in Couette, Cone and Plate, and Capillary Tube Viscometers." *Journal of Applied Physiology* 25, no. 6 (1968): 786-89.
1221. Chitty, J. *A Practical Treatise on Medical Jurisprudence* London: Rothworth and Sons, 1834.
1222. Dintenfass, L. "Thixotropy of Blood and Proneness to Thrombus Formation." *Journal of the American Heart Research* XI (1962): 233-39.
1223. Emerson, R.L. *Legal Medicine and Toxicology*. New York: D Appleton and Co., 1909.
1224. Engel, O.G. "Waterdrop Collisions with Solid Surfaces." *J. Res. Nat. Bur. Stand.* 54, no. 5 (1955): 281-98.
1225. Faulds, H. "On the Skin Furrows of the Hand." *Nature* 22, no. 574 (1880): 601.
1226. Flower, W.D. "The Terminal Velocity of Drops." *Proceedings of the Physical Society of London* 40 (1928): 167-76.
1227. Ford, R. E., and C.G.L. Furnidge. "Impact and Spreading of Spray Drops on Foliar Surfaces." In *Colloid and Surface Chemistry Group of the Society of Chemical Industry*. Bristol, 1967.
1228. Fournier D'able, E.M., and M.S. Hidayetulla. "The Break-up of Large Water Drops Falling at Terminal Velocity in Free Air." *Quarterly Journal of the Royal Meteorological Society* 81 (1955): 610-13.
1229. Fraenckel, P., and G. Strassmann. "Zur Entfernungsbestimmung Bei Nahschtissen." *Arch. Kriminol* 76 (1925): 314-16.
1230. Frankel, Harold, A. *Homicide Investigation*. Philadelphia: Gainor Press, 1931.
1231. Furnidge, C.G.L. "Studies at Phase Interfaces I-the Sliding of Liquid Drops on Solid Surfaces and a Theory for Spray Retention." *Journal of Colloid Science* 17 (1961 1962): 309-24.
1232. Gillies, D.A. "Police Science Legal Abstracts and Notes." *Legal Abstracts and Notes* 47

- (1956): 136-42.
1233. Glaister, John. "Bloodstains and Examination of Blood." Chap. 11 In *A Text-Book of Medical Jurisprudence Toxicology and Public Health*. 234-41. Edinburgh: E & S Livingstone, 1902.
1234. Gross. "Uber Blutspuren." Chap. 14 In???? , 102-39. German, 1901.
1235. Gross, Hans. "Traces of Blood." In *Criminal Investigation: A Practical Textbook for Magistrates, Police Officers and Lawyers*, edited by Hans Gross & J. Collyer Adam. London: Sweet & Maxwell Ltd, 1924.
1236. Haberda. "A Special Type of Bloodstain ". Vienna, 1914.
1237. Hamilton, Allan McLane. *A Manual of Medical Jurisprudence*. New York1883.
1238. Harkins, H. N., and W. D. Harkins. "The Surface Tension of Blood Serum, and the Determination of the Surface Tension of Biological Fluids." [In eng]. *J Clin Invest* 7, no. 2 (Jun 1929): 263-81.
1239. Harlow, F.H., and J.P. Shannon. "The Splash of a Liquid Drop." *J. Appl. Phys.* 38 (1967): 3855-66.
1240. Hauser, E.A., H.E. Edgerton, B.M. Holt, and J.T. Cox. "The Application of High-Speed Motion Picture Camera to Research the Surface Tension of Liquids." *Journal of Physical Chemistry* 40 (1936): 973-88.
1241. Hesselink, W.F. "Blood Tracks in the Criminological Practice." *Ztschr. angew. Chem.* 44, no. 31 (1931): 653-55.
1242. Heymann, F.J. "High-Speed Impact between a Liquid Drop and a Solid Surface." *J. Appl. Phys.* 40, no. 13 (1969): 5113-22.
1243. Hida, K, and T Nakanishi. "The Shape of a Bubble or a Drop Attached to a Flat Plate." *Journal of the Physical Society of Japan* 28, no. 5 (1970): 1336 - 39.
1244. IACP. "Physical Evidence Bloodstains." *International Association of Chiefs of Police*, 1967.
1245. Jones, H. "Cooling, Freezing and Substrate Impact of Droplets Formed by Rotary Atomization." *Journal of physics D: Applied physics* 4 (1971): 1657-60.
1246. Kirk, P.L. "Blood - a Neglected Criminalistics Research Area." *Law Enforcement Science and Technology* 22, no. 1 (1967): 267-79.
1247. ——. *Criminal Investigation: Physical Evidence and the Police Laboratory*. New York: Intersciences Publishers, 1953.
1248. *Affidavit Regarding State of Ohio V. Samuel Sheppard*, Court of Common Pleas, Criminal Branch, No. 64571 (1955).
1249. Klett, J.D. "On the Break-up on Water Drops in Air." *Journal of the Atmospheric Sciences* 28 (1971): 646-47.
1250. Levich, V.G., and V.S. Krylov. "Surface-Tension-Driven Phenomena." *Ann. Rev. Fluid Mech* 1 (1969): 293-316.
1251. Levin, Z., and P.V. Hobbs. "Splashing of Water Drops on Solid and Wetted Surfaces: Hydrodynamics and Charge Separations." *Philos. Trans. R. Soc. London A* 269 (1971): 555-85.
1252. List, R., and M.J. Hand. "Wakes of Freely Falling Water Droplets." *The Physics of Fluids* 14, no. 8 (1971): 1648-56.
1253. Lochte, Th. "Gerichtsaerztliche Und Polizeiaerztliche Technik." Wiesbaden, 1914.
1254. MacDonell, H.L. "Flight Characteristics and Stain Patterns of Human Blood." *Law Enforcement Assistance Administration, National Institute of Law Enforcement and Criminal Justice* (1971 1971): 1-77.
1255. MacDonell, H.L., and L.F. Bailousz. "Flight Characteristics and Stain Patterns of Human Blood." *Law Enforcement Assistance Administration, National Institute of Law Enforcement and Criminal Justice* (1971 1971): 1-77.

1256. Merchant, N.A. "The Mcleod-Lindsay Case." *The Australian Police Journal* 21, no. 3 (1967).
1257. Mutchter, C.K., and C.L. Larson. "Splash Amounts from Waterdrop Impact on a Smooth Surface." *Water Resour. Res.* 7 (1971): 195-200.
1258. O'Brien, V. "Why Raindrops Break up - Vortex Instability." *Journal of Meteorology* 18 (1961): 549-52.
1259. Piotrowski, Eduard. *Ueber Entstehung, Form, Richtung Und Ausbreitung Der Blutspuren Nach Hiebwunden Des Kopfes*. Elmira, NY (1992): Golos Printing, 1895. cited in [9].
1260. Radzicki, Jozef. *Bloodstain Prints in Practice of Technology*. Warsaw, Poland: Biblioteka Kryminalistyczna, 1960.
1261. Reiss, R.A. "Scientific Techniques of Criminal Investigations." *Ministry of Justice* 1912, 30,40.
1262. "Reconstructing Crime, Blood and Other Bodily Fluids." Chap. 12 In *Fm 19-20 War Department Field Manual: Criminal Investigation*. 92-93, 202-13, 1945.
1263. Rizer, C. . "Blood Drop Patterns." *Police* 4, no. 3 (1960): 18-19.
1264. Savic, P., and G.T. Boult. "The Fluid Flow Associated with the Impact of Liquid Drops with Solid Surfaces." Nat. Res. Council Canada, 1955.
1265. Smith, J.G. *Hints for the Examination of Medical Witnesses*. London: Longman, Rees, Orme, Brown, and Green, 1829.
1266. *State of Ohio Vs. Samuel H. Shepard*, Kirk, P.L. 1 (1955).
1267. Swinburne, J. *A Review of the Case, the People Agt. Rev.*, Henry Budge. 1862.
1268. Tamada, K, and Y Shibaoka. "On the Pendent Drop, I." *Journal of the Physical Society of Japan* 16, no. 6 (1961): 1249 – 52.
1269. Taylor, A.S. "The Value of Evidence through Circumstances." In *Medical Jurisprudence*, edited by E. Hartshorne 209-18. Philadelphia: Blanchard & Lea, 1856.
1270. Taylor, G. "The Dynamics of Thin Sheets of Fluid II- Waves on Fluid Sheets." *Proceedings of the Royal Society of London* 253, no. 1274 (1959): 296-312.
1271. ——. "The Dynamics of Thin Sheets of Fluid III- Disintegration of Fluid Sheets." *Proceedings of the Royal Society of London* 253, no. 1274 (1959): 313-21.
1272. ——. "Formation of Thin Flat Sheets of Water." *Proceedings of the Royal Society of London* 259, no. 1296 (1960): 1-17.
1273. Thomson, J.J., and H.F. Newall. "On the Formation of Vortex Rings by Drops Falling into Liquids, and Some Allied Phenomena." *Proceedings of the Royal Society of London* 39 (1885): 417-36.
1274. Thoresby, FP. "Cavitation: The Wounding Process of the High Velocity Missile, a Review." *Journal of the Royal Army Medical Corps* (1966): 89-99.
1275. Tidy, C.M. *Legal Medicine*. London: Smith, Elder & Co., 1882.
1276. Tolman, R. C. "The Effect of Droplet Size on Surface Tension." *The Journal of Chemical Physics* 17, no. 3 (1949): 333-37.
1277. Wachters, L.H., and N.A.J. Westerling. "The Heat Transfer from a Hot Wall to Impinging Water Drops in the Spherical State." *Chem. Eng. Sci.* 21 (1966): 1047-56.
1278. Walcher, K. *Gerichtliche Medizinische Und Kriminalistische Blutuntersuchung*. Berlin: Julis Springer, 1939.
1279. Weimann, W. "Über Das Verspritzen Von Gewebsteilen Aus Einschussoffnungen Und Seine Kriminalistische Bedeutung." *Dtsch. Z. Ges. Gerichtl. Med* 17 (1931): 92-105.
1280. Werkgartner, A. "Eigenartige Hautverletzungen Durch Schußse Aus Angesetzten Selbstladepistolen." *Beitr. Gerichtl. Med.* 6 (1924): 148 - 61.
1281. Wilhelm, J.G. "Einführung in Die Praktische Kriminalistik." 1947.
1282. Woodman, W.B., and C.M. Tidy. *A Handy Book of Forensic Medicine and Toxicology*. London: J. & A. Churchill, 1877.
1283. Worthington, A.M. "On the Forms Assumed by Drops of Liquids Falling Vertically

- on a Horizontal Plate." *Proceedings of the Royal Society of London* 25 (1876): 261-71.
1284. ——. "A Second Paper on the Forms Assumed by Drops of Liquid Falling Vertically on a Horizontal Plate." *Proceedings of the Royal Society of London* 25 (1876-1877): 498-503.