

Dr. Miral Dizdaroglu Complete Publications List

Text Book

Editor of "*Advances in DNA Damage and Repair; Oxygen Radical Effects, Cellular Protection and Biological Consequences*," Plenum Publ. Corp., New York, 1999.

Papers Published in Peer-Reviewed Journals and Books

1. Dizdaroglu M., Scherz, H., and von Sonntag, C., " γ -Radiolysis of meso-Erythritol in Aqueous Solution," *Z. Naturforsch.* 27b, 29-41 (1972).
2. von Sonntag, C., and Dizdaroglu, M., "Radical Chain Reactions in Crystalline α -Lactose Monohydrate," *Z. Naturforsch.* 28b, 367-368 (1973).
3. Dizdaroglu, M., von Sonntag, C., Schulte-Frohlinde, D., and Dahlhoff, W.V., "Radiation Chemical Preparation of 5-Deoxylactobionic Acid," *Liebigs Ann. Chem.* 1592-1594 (1973).
4. Dizdaroglu, M., and von Sonntag, C., " γ -Radiolysis of Cellobiose in N_2O -saturated Aqueous Solution, Part I. Identification of the Products," *Z. Naturforsch.* 28b, 635-646 (1973).
5. Dizdaroglu, M., Henneberg, D., and von Sonntag, C., "The Mass Spectra of TMS-Ethers of Deuterated Polyalcohols. A contribution to the Structural Investigation of Sugars," *Org. Mass Spectr.* 8, 335-345 (1974).
6. von Sonntag, C., Neuwald, K., and Dizdaroglu, M., " γ -Radiolysis of 2-Deoxy-D-Ribose in the Crystalline State. Conversion of 2-Deoxy-D-Ribose into 2,5-Deoxy-D-erythro-pentonic Acid via a Chain Reaction," *Radiat. Res.* 58, 1-8 (1974).
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12. von Sonntag, C., Dizdaroglu, M., and Schulte-Frohlinde, D., " γ -Radiolysis of Cellobiose in N₂O-Saturated Aqueous Solution, Part II. Quantitative Measurements. Mechanisms of the Radical Induced Scission of the Glycosidic Linkage," *Z. Naturforsch.* 31b, 857-864 (1976).
13. Baugh, P.J., Goodall, J.I., Phillips, G.O., von Sonntag, C., and Dizdaroglu, M., "Radiation Induced Ring Opening in Cyclic Oligosaccharide Hydrates," *Carbohydr. Res.* 49, 313-323 (1976).
14. Dizdaroglu, M., Henneberg, D., Neuwald, K., Schomburg, G., von Sonntag, C., " γ -Radiolysis of Crystalline D-Glucose and D-Fructose," *Z. Naturforsch.* 32b, 213-224 (1977).
15. von Sonntag, C., and Dizdaroglu, M., "The Reactions of OH Radicals with D-Ribose in Deoxygenated and Oxygenated Aqueous Solution," *Carbohydr. Res.* 58, 21-30 (1977).
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19. Dizdaroglu, W., Hermes, W., Schulte-Frohlinde, and von Sonntag, C., "Enzymatic Digestion of DNA γ -Irradiated in Aqueous Solution. Separation of the Digests by Ion-Exchange Chromatography," *Int. J. Radiat. Biol.* 33, 563-569 (1978).

20. Dizdaroglu, M., Hermes, W., von Sonntag, C., and Schott, H., "Separation of the Sequence Isomers of Pyrimidine Deoxytetranucleoside Triphosphates by High-Performance Ion-Exchange Liquid Chromatography," *J. Chromatogr.* 169, 429-435 (1979).
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45. Simic, M.G., and Dizdaroglu, M., "Formation of Radiation-Induced Crosslinks between Thymine and Tyrosine: Possible Model for Crosslinking of DNA and Proteins by Ionizing Radiation," *Biochemistry* 24, 233-236 (1985).
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