

# Marisa Helena Gennari de Medeiros

## List of Publications by Year in descending order

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145  
papers

7,302  
citations

41344

49  
h-index

62596

80  
g-index

162  
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162  
docs citations

162  
times ranked

8215  
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection of DNA Adduct Formation in Rat Lungs by a Micro-HPLC/MS/MS Approach. <i>Methods in Molecular Biology</i> , 2021, 2279, 225-239.	0.9	3
2	The role of chronic muscle (in)activity on carnosine homeostasis: a study with spinal cord-injured athletes. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, 320, R824-R832.	1.8	3
3	Contribution of GO System Glycosylases to Mutation Prevention in <i>Caulobacter crescentus</i> . <i>Environmental and Molecular Mutagenesis</i> , 2020, 61, 246-255.	2.2	4
4	Heck reaction synthesis of anthracene and naphthalene derivatives as traps and clean chemical sources of singlet molecular oxygen in biological systems. <i>Photochemical and Photobiological Sciences</i> , 2020, 19, 1590-1602.	2.9	7
5	Lipid aldehyde hydrophobicity affects apo-SOD1 modification and aggregation. <i>Free Radical Biology and Medicine</i> , 2020, 156, 157-167.	2.9	14
6	Insulin does not stimulate $\beta$ -alanine transport into human skeletal muscle. <i>American Journal of Physiology - Cell Physiology</i> , 2020, 318, C777-C786.	4.6	8
7	Generation of Singlet Molecular Oxygen by Lipid Hydroperoxides and Nitronium Ion. <i>Photochemistry and Photobiology</i> , 2020, 96, 560-569.	2.5	5
8	Alterations in lipid metabolism of spinal cord linked to amyotrophic lateral sclerosis. <i>Scientific Reports</i> , 2019, 9, 11642.	3.3	98
9	Singlet oxygen-induced protein aggregation: Lysozyme crosslink formation and nLC-MS/MS characterization. <i>Journal of Mass Spectrometry</i> , 2019, 54, 894-905.	1.6	7
10	Singlet Molecular Oxygen Reactions with Nucleic Acids, Lipids, and Proteins. <i>Chemical Reviews</i> , 2019, 119, 2043-2086.	47.7	404
11	Quantification of three DNA Lesions by Mass Spectrometry and Assessment of Their Levels in Tissues of Mice Exposed to Ambient Fine Particulate Matter. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	1
12	Agave Seed Endophytes: Ecology and Impacts on Root Architecture, Nutrient Acquisition, and Cold Stress Tolerance. , 2019, , 139-170.		14
13	The molecular structure of $\beta$ -alanine is resistant to sterilising doses of gamma radiation. <i>PLoS ONE</i> , 2019, 14, e0210713.	2.5	2
14	Where do we aspire to publish? A position paper on scientific communication in biochemistry and molecular biology. <i>Brazilian Journal of Medical and Biological Research</i> , 2019, 52, e8935.	1.5	1
15	Oxidation of 1-N 2-etheno-2-deoxyguanosine by singlet molecular oxygen results in 2-deoxyguanosine: a pathway to remove exocyclic DNA damage?. <i>Biological Chemistry</i> , 2018, 399, 859-867.	2.5	2
16	DNA Adduct Formation in the Lungs and Brain of Rats Exposed to Low Concentrations of [ <sup>13</sup> C <sub>2</sub> ]-Acetaldehyde. <i>Chemical Research in Toxicology</i> , 2018, 31, 332-339.	3.3	16
17	Cardioprotection induced by a brief exposure to acetaldehyde: role of aldehyde dehydrogenase 2. <i>Cardiovascular Research</i> , 2018, 114, 1006-1015.	3.8	36
18	Iron Deficiency Generates Oxidative Stress and Activation of the SOS Response in <i>Caulobacter crescentus</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 2014.	3.5	38

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19	Exercise and $\hat{I}^2$ -alanine supplementation on carnosine-acrolein adduct in skeletal muscle. <i>Redox Biology</i> , 2018, 18, 222-228.	9.0	35
20	Formation and repair of oxidatively generated damage in cellular DNA. <i>Free Radical Biology and Medicine</i> , 2017, 107, 13-34.	2.9	240
21	Sustained kidney biochemical derangement in treated experimental diabetes: a clue to metabolic memory. <i>Scientific Reports</i> , 2017, 7, 40544.	3.3	13
22	Caloric restriction protects livers from ischemia/reperfusion damage by preventing $Ca^{2+}$ -induced mitochondrial permeability transition. <i>Free Radical Biology and Medicine</i> , 2017, 110, 219-227.	2.9	35
23	Direct participation of DNA in the formation of singlet oxygen and base damage under UVA irradiation. <i>Free Radical Biology and Medicine</i> , 2017, 108, 86-93.	2.9	21
24	Lysozyme oxidation by singlet molecular oxygen: Peptide characterization using [ <sup>18</sup> O] labeling oxygen and nLC-MS/MS. <i>Journal of Mass Spectrometry</i> , 2017, 52, 739-751.	1.6	10
25	Consequences of acute oxidative stress in <i>Leishmania amazonensis</i> : From telomere shortening to the selection of the fittest parasites. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017, 1864, 138-150.	4.1	27
26	Endophytic bacteria and rare earth elements; promising candidates for nutrient use efficiency in plants. , 2017, , 285-306.		22
27	Structural Elucidation of a Carnosine-Acrolein Adduct and its Quantification in Human Urine Samples. <i>Scientific Reports</i> , 2016, 6, 19348.	3.3	25
28	Singlet molecular oxygen: D'Asseldorf " São Paulo, the Brazilian connection. <i>Archives of Biochemistry and Biophysics</i> , 2016, 595, 161-175.	3.0	17
29	Luminescent threat: toxicity of light stick attractors used in pelagic fishery. <i>Scientific Reports</i> , 2015, 4, 5359.	3.3	10
30	Intermittent Fasting Results in Tissue-Specific Changes in Bioenergetics and Redox State. <i>PLoS ONE</i> , 2015, 10, e0120413.	2.5	57
31	Singlet Molecular Oxygen Generation by Light-Activated DHN-Melanin of the Fungal Pathogen <i>Mycosphaerella fijiensis</i> in Black Sigatoka Disease of Bananas. <i>PLoS ONE</i> , 2014, 9, e91616.	2.5	71
32	Melanin Photosensitization and the Effect of Visible Light on Epithelial Cells. <i>PLoS ONE</i> , 2014, 9, e113266.	2.5	92
33	Unveiling Benznidazole's mechanism of action through overexpression of DNA repair proteins in <i>Trypanosoma cruzi</i> . <i>Environmental and Molecular Mutagenesis</i> , 2014, 55, 309-321.	2.2	70
34	Singlet molecular oxygen generated in dark biological process. <i>Free Radical Biology and Medicine</i> , 2014, 75, S28-S29.	2.9	1
35	Singlet molecular oxygen generated by biological hydroperoxides. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014, 139, 24-33.	3.8	120
36	Excited singlet molecular O <sub>2</sub> ( $1^1g$ ) is generated enzymatically from excited carbonyls in the dark. <i>Scientific Reports</i> , 2014, 4, 5938.	3.3	52

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37	Nitrogen acquisition in Agave tequilana from degradation of endophytic bacteria. Scientific Reports, 2014, 4, 6938.	3.3	61
38	Elevated 1-Methyl-3-hydroxy-1,2-propano-2-deoxyguanosine Levels in Urinary Samples from Individuals Exposed to Urban Air Pollution. Chemical Research in Toxicology, 2013, 26, 1602-1604.	3.3	14
39	Evaluation of Chemical Constituents and Antioxidant Activity of Coconut Water (Cocos nucifera L.) and Caffeic Acid in Cell Culture. Anais Da Academia Brasileira De Ciencias, 2013, 85, 1235-1247.	0.8	33
40	The Development of a Specific and Sensitive LC-MS-Based Method for the Detection and Quantification of Hydroperoxy- and Hydroxydocosahexaenoic Acids as a Tool for Lipidomic Analysis. PLoS ONE, 2013, 8, e77561.	2.5	38
41	DNA damage by singlet oxygen and cellular protective mechanisms. Mutation Research - Reviews in Mutation Research, 2012, 751, 15-28.	5.5	158
42	Cytochrome c-promoted cardiolipin oxidation generates singlet molecular oxygen. Photochemical and Photobiological Sciences, 2012, 11, 1536-1546.	2.9	32
43	Singlet molecular oxygen trapping by the fluorescent probe diethyl-3-(9,10-anthracenediyl)bisacrylate synthesized by the Heck reaction. Photochemical and Photobiological Sciences, 2011, 10, 1546-1555.	2.9	26
44	Mechanism of dioxindolylalanine formation by singlet molecular oxygen-mediated oxidation of tryptophan residues. Photochemical and Photobiological Sciences, 2011, 10, 1727-1730.	2.9	25
45	[ <sup>13</sup> C <sub>2</sub> ]- Acetaldehyde Promotes Unequivocal Formation of 1,2-Propano-2-deoxyguanosine in Human Cells. Journal of the American Chemical Society, 2011, 133, 9140-9143.	13.7	62
46	Cholesterol Hydroperoxides Generate Singlet Molecular Oxygen [O <sub>2</sub> ( <sup>1</sup> g)]: Near-IR Emission, <sup>18</sup> O-Labeled Hydroperoxides, and Mass Spectrometry. Chemical Research in Toxicology, 2011, 24, 887-895.	3.3	23
47	Trypanosoma cruzi MSH2: Functional analyses on different parasite strains provide evidences for a role on the oxidative stress response. Molecular and Biochemical Parasitology, 2011, 176, 8-16.	1.1	31
48	Lipid hydroperoxide-induced and hemoglobin-enhanced oxidative damage to colon cancer cells. Free Radical Biology and Medicine, 2011, 51, 503-515.	2.9	56
49	Long-term intermittent feeding, but not caloric restriction, leads to redox imbalance, insulin receptor nitration, and glucose intolerance. Free Radical Biology and Medicine, 2011, 51, 1454-1460.	2.9	57
50	Generation of Singlet Molecular Oxygen From Nitroperoxy Lipids. Free Radical Biology and Medicine, 2011, 51, S149.	2.9	0
51	DNA strand breaks and base modifications induced by cholesterol hydroperoxides. Free Radical Research, 2011, 45, 266-275.	3.3	8
52	Detection and Characterization of Cholesterol-Oxidized Products Using HPLC Coupled to Dopant Assisted Atmospheric Pressure Photoionization Tandem Mass Spectrometry. Analytical Chemistry, 2010, 82, 7293-7301.	6.5	16
53	Singlet Molecular Oxygen Generation by the Reaction of Ozone with 8-Oxo-7,8-Dihydro-2-Deoxyguanosine and Formation of Spiroiminodihydantoin Nucleoside. Free Radical Biology and Medicine, 2010, 49, S213.	2.9	0
54	Ultrasensitive Simultaneous Quantification of 1,2-Etheno-2-deoxyguanosine and 1,2-Propano-2-deoxyguanosine in DNA by an Online Liquid Chromatography-Electrospray Tandem Mass Spectrometry Assay. Chemical Research in Toxicology, 2010, 23, 1245-1255.	3.3	25

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55	Increased SOD1 association with chromatin, DNA damage, p53 activation, and apoptosis in a cellular model of SOD1-linked ALS. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2010, 1802, 462-471.	3.8	68
56	Thymine hydroperoxide as a potential source of singlet molecular oxygen in DNA. <i>Free Radical Biology and Medicine</i> , 2009, 47, 401-409.	2.9	33
57	Characterization of O <sub>2</sub> ( <sup>1</sup> O <sub>2</sub> )-derived oxidation products of tryptophan: A combination of tandem mass spectrometry analyses and isotopic labeling studies. <i>Journal of the American Society for Mass Spectrometry</i> , 2009, 20, 188-197.	2.8	68
58	Generation of Cholesterol Carboxyaldehyde by the Reaction of Singlet Molecular Oxygen [O <sub>2</sub> ( <sup>1</sup> O <sub>2</sub> )] as Well as Ozone with Cholesterol. <i>Chemical Research in Toxicology</i> , 2009, 22, 875-884.	3.3	60
59	Direct evidence of singlet molecular oxygen generation from peroxyxynitrate, a decomposition product of peroxyxynitrite. <i>Dalton Transactions</i> , 2009, , 5720.	3.3	50
60	Exocyclic DNA Adducts as Biomarkers of Lipid Oxidation and Predictors of Disease. Challenges in Developing Sensitive and Specific Methods for Clinical Studies. <i>Chemical Research in Toxicology</i> , 2009, 22, 419-425.	3.3	56
61	DNA oxidation, strand-breaks and etheno-adducts formation promoted by Cu, Zn-superoxide dismutase+H <sub>2</sub> O <sub>2</sub> in the presence and absence of bicarbonate. <i>Dalton Transactions</i> , 2009, , 1450.	3.3	5
62	trans,trans-2,4-decadienal induces mitochondrial dysfunction and oxidative stress. <i>Journal of Bioenergetics and Biomembranes</i> , 2008, 40, 103-109.	2.3	10
63	Mild mitochondrial uncoupling in mice affects energy metabolism, redox balance and longevity. <i>Aging Cell</i> , 2008, 7, 552-560.	6.7	285
64	Tryptophan Oxidation by Singlet Molecular Oxygen [O <sub>2</sub> ( <sup>1</sup> O <sub>2</sub> )] Mechanistic Studies Using <sup>18</sup> O-Labeled Hydroperoxides, Mass Spectrometry, and Light Emission Measurements. <i>Chemical Research in Toxicology</i> , 2008, 21, 1271-1283.	3.3	119
65	DNA damage by sulfite autoxidation catalyzed by cobalt complexes. <i>Dalton Transactions</i> , 2008, , 5636.	3.3	17
66	Continuous monitoring of ascorbate transport through neuroblastoma cells with a ruthenium oxide hexacyanoferrate modified microelectrode. <i>Analyst</i> , The, 2008, 133, 1605.	3.5	11
67	Flow Injection Amperometric Detection of 2-Deoxyguanosine at a Ruthenium Oxide Hexacyanoferrate Modified Electrode. <i>Analytical Chemistry</i> , 2007, 79, 5392-5398.	6.5	20
68	Covalent Modification of Cytochrome <i>c</i> Exposed to <i>trans</i> , <i>trans</i> -2,4-Decadienal. <i>Chemical Research in Toxicology</i> , 2007, 20, 1099-1110.	3.3	16
69	Antioxidantes dietéticos: controvérsias e perspectivas. <i>Quimica Nova</i> , 2007, 30, 441-449.	0.3	61
70	Antioxidantes na manutenção do equilíbrio redox cutâneo: uso e avaliação de sua eficácia. <i>Quimica Nova</i> , 2007, 30, 206-213.	0.3	21
71	Spiroiminodihydantoin nucleoside formation from 2-deoxyguanosine oxidation by [ <sup>18</sup> O-labeled] singlet molecular oxygen in aqueous solution. <i>Journal of Mass Spectrometry</i> , 2007, 42, 1326-1332.	1.6	29
72	DNA damage and 2-deoxyguanosine oxidation induced by S(IV) autoxidation catalyzed by copper(II) tetraglycine complexes: Synergistic effect of a second metal ion. <i>Journal of Inorganic Biochemistry</i> , 2007, 101, 866-875.	3.5	30

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73	Oxidative stress in <i>Perna perna</i> and other bivalves as indicators of environmental stress in the Brazilian marine environment: Antioxidants, lipid peroxidation and DNA damage. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2007, 146, 588-600.	1.8	214
74	Biological hydroperoxides and singlet molecular oxygen generation. <i>IUBMB Life</i> , 2007, 59, 322-331.	3.4	106
75	2-Deoxyguanosine, 2-Deoxycytidine, and 2-Deoxyadenosine Adducts Resulting from the Reaction of Tetrahydrofuran with DNA Bases. <i>Chemical Research in Toxicology</i> , 2006, 19, 927-936.	3.3	35
76	Lesões em DNA induzidas pela autooxidação de S(IV) na presença de íons metálicos de transição. <i>Química Nova</i> , 2006, 29, 1086-1093.	0.3	2
77	Lycopene and $\beta$ -carotene protect in vivo iron-induced oxidative stress damage in rat prostate. <i>Brazilian Journal of Medical and Biological Research</i> , 2006, 39, 203-210.	1.5	55
78	Synthesis of a hydrophilic and non-ionic anthracene derivative, the N,N'-di-(2,3-dihydroxypropyl)-9,10-anthracenedipropanamide as a chemical trap for singlet molecular oxygen detection in biological systems. <i>Tetrahedron</i> , 2006, 62, 10762-10770.	1.9	34
79	Singlet oxygen oxidation of 2-deoxyguanosine. Formation and mechanistic insights. <i>Tetrahedron</i> , 2006, 62, 10709-10715.	1.9	57
80	Singlet Oxygen Oxidation of Isolated and Cellular DNA: Product Formation and Mechanistic Insights. <i>Photochemistry and Photobiology</i> , 2006, 82, 1219.	2.5	154
81	Linoleic acid hydroperoxide reacts with hypochlorous acid, generating peroxy radical intermediates and singlet molecular oxygen. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 293-298.	7.1	120
82	Measurement of Melatonin and its Metabolites: Importance for the Evaluation of Their Biological Roles. <i>Endocrine</i> , 2005, 27, 111-118.	2.2	37
83	Inhibition of 5-aminolevulinic acid-induced DNA damage by melatonin, N1-acetyl-N2-formyl-5-methoxykynuramine, quercetin or resveratrol. <i>Journal of Pineal Research</i> , 2005, 38, 107-115.	7.4	83
84	Identification of the main oxidation products of 8-methoxy-2-deoxyguanosine by singlet molecular oxygen. <i>Free Radical Biology and Medicine</i> , 2005, 38, 1491-1500.	2.9	16
85	Oxidative stress in digestive gland and gill of the brown mussel ( <i>Perna perna</i> ) exposed to air and re-submersed. <i>Journal of Experimental Marine Biology and Ecology</i> , 2005, 318, 21-30.	1.5	147
86	DNA damage induced by sulfite autoxidation catalyzed by copper(ii) tetraglycine complexes. <i>Dalton Transactions</i> , 2005, , 1101-1107.	3.3	16
87	Structural Characterization of an Etheno-2-deoxyguanosine Adduct Modified by Tetrahydrofuran. <i>Chemical Research in Toxicology</i> , 2005, 18, 290-299.	3.3	11
88	Oxidative DNA damage induced by autoxidation of microquantities of S(IV) in the presence of Ni(II)-Gly-Gly-His. <i>Dalton Transactions</i> , 2005, , 3738.	3.3	18
89	Singlet oxygen-mediated damage to cellular DNA determined by the comet assay associated with DNA repair enzymes. <i>Biological Chemistry</i> , 2004, 385, 17-20.	2.5	72
90	Protective effect of phospholipid hydroperoxide glutathione peroxidase (PHGPx) against lipid peroxidation in mussels <i>Perna perna</i> exposed to different metals. <i>Marine Pollution Bulletin</i> , 2004, 49, 386-392.	5.0	148

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91	<sup>18</sup> O-labeled lipid hydroperoxides and HPLC coupled to mass spectrometry as valuable tools for studying the generation of singlet oxygen in biological system. <i>BioFactors</i> , 2004, 22, 333-339.	5.4	7
92	Synthesis of internal labeled standards of melatonin and its metabolite N1-acetyl-N2-formyl-5-methoxykynuramine for their quantification using an on-line liquid chromatography-electrospray tandem mass spectrometry system. <i>Journal of Pineal Research</i> , 2004, 36, 64-71.	7.4	26
93	Structural Characterization of Diastereoisomeric Ethano Adducts Derived from the Reaction of 2'-Deoxyguanosine with trans,trans-2,4-Decadienal. <i>Chemical Research in Toxicology</i> , 2004, 17, 641-649.	3.3	15
94	Energy Transfer between Singlet ( <sup>1</sup> O <sub>2</sub> ) and Triplet ( <sup>3</sup> O <sub>2</sub> ) Molecular Oxygen in Aqueous Solution. <i>Journal of the American Chemical Society</i> , 2004, 126, 3056-3057.	13.7	30
95	Mechanistic aspects of the oxidation of DNA constituents mediated by singlet molecular oxygen. <i>Archives of Biochemistry and Biophysics</i> , 2004, 423, 23-30.	3.0	70
96	Mitochondrial and nuclear DNA damage induced by 5-aminolevulinic acid. <i>Archives of Biochemistry and Biophysics</i> , 2004, 432, 178-187.	3.0	60
97	Induction of 1,N <sup>2</sup> -etheno-2'-deoxyguanosine in DNA exposed to <sup>125</sup> I-carotene oxidation products. <i>FEBS Letters</i> , 2004, 560, 125-130.	2.8	20
98	DNA and Lipid Damage in the Brown Mussel <i>Perna perna</i> from a Contaminated Site. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2003, 71, 270-275.	2.7	15
99	Effects of trace metal and exposure to air on serotonin and dopamine levels in tissues of the mussel <i>Perna perna</i> . <i>Marine Pollution Bulletin</i> , 2003, 46, 1485-1490.	5.0	31
100	Direct evidence of singlet molecular oxygen [ <sup>1</sup> O <sub>2</sub> ] production in the reaction of acetonitrile with hydrogen peroxide in alkaline solutions. <i>Analytica Chimica Acta</i> , 2003, 482, 99-104.	5.4	20
101	Site-specific incorporation of the 1-hexanol-1,N <sup>6</sup> -etheno-2'-deoxyadenosine adduct into oligodeoxyribonucleotides. <i>Bioorganic and Medicinal Chemistry</i> , 2003, 11, 2445-2452.	3.0	4
102	Oxidation of melatonin by singlet molecular oxygen (O <sub>2</sub> ( <sup>1</sup> O <sub>2</sub> )) produces N1-acetyl-N2-formyl-5-methoxykynurenine. <i>Journal of Pineal Research</i> , 2003, 35, 131-137.	7.4	73
103	Singlet Molecular Oxygen Generated from Lipid Hydroperoxides by the Russell Mechanism: <sup>18</sup> O Studies Using <sup>18</sup> O-Labeled Linoleic Acid Hydroperoxide and Monomol Light Emission Measurements. <i>Journal of the American Chemical Society</i> , 2003, 125, 6172-6179.	13.7	189
104	Oxidative and alkylating damage in DNA. <i>Mutation Research - Reviews in Mutation Research</i> , 2003, 544, 115-127.	5.5	190
105	DNA damage in digestive gland and mantle tissue of the mussel <i>Perna perna</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2003, 135, 295-303.	2.6	22
106	Direct Evidence of Singlet Molecular Oxygen [ <sup>1</sup> O <sub>2</sub> ] Production in the Reaction of Linoleic Acid Hydroperoxide with Peroxynitrite. <i>Journal of the American Chemical Society</i> , 2003, 125, 4510-4517.	13.7	138
107	[ <sup>18</sup> O]-Labeled Singlet Oxygen as a Tool for Mechanistic Studies of 8-Oxo-7,8-Dihydroguanine Oxidative Damage: Detection of Spiroiminodihydantoin, Imidazolone and Oxazolone Derivatives. <i>Biological Chemistry</i> , 2002, 383, 607-17.	2.5	66
108	Development of an On-Line Liquid Chromatography-Electrospray Tandem Mass Spectrometry Assay to Quantitatively Determine 1,N <sup>2</sup> -Etheno-2'-deoxyguanosine in DNA. <i>Chemical Research in Toxicology</i> , 2002, 15, 1302-1308.	3.3	46



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109	Danos ao DNA promovidos por Ácido 5-aminolevulínico: possível associação com o desenvolvimento de carcinoma hepatocelular em portadores de porfiria aguda intermitente. <i>Química Nova</i> , 2002, 25, 594-608.	0.3	5
110	Formação de adutos exocíclicos com bases de DNA: implicações em mutagenese e carcinogênese. <i>Química Nova</i> , 2002, 25, 777-793.	0.3	17
111	Genotoxicity of 5-aminolevulinic and 4,5-dioxovaleric acids in the salmonella/microsuspension mutagenicity assay and SOS chromotest. <i>Environmental and Molecular Mutagenesis</i> , 2002, 40, 63-70.	2.2	9
112	Is 5-aminolevulinic acid involved in the hepatocellular carcinogenesis of acute intermittent porphyria?. <i>Cellular and Molecular Biology</i> , 2002, 48, 17-26.	0.9	16
113	Lycopene Inhibits DNA Damage and Liver Necrosis in Rats Treated with Ferric Nitrilotriacetate. <i>Archives of Biochemistry and Biophysics</i> , 2001, 396, 171-177.	3.0	92
114	DNA Damage by 3,6-Dihydropyrazine-2,5-Dipropanoic Acid, the Cyclic Dimerization Product of 5-Aminolevulinic Acid. <i>Biological Chemistry</i> , 2001, 382, 913-8.	2.5	25
115	1,N 6-Etheno-2â€™-Deoxyadenosine Adducts from Trans, Trans-2,4-Decadienal and Trans-2-Octenal. <i>Advances in Experimental Medicine and Biology</i> , 2001, 500, 229-232.	1.6	7
116	Zinc tetraruthenated porphyrin binding and photoinduced oxidation of calf-thymus DNA. <i>Journal of Inorganic Biochemistry</i> , 2000, 78, 269-273.	3.5	42
117	DNA Damage by 5-Aminolevulinic and 4,5-Dioxovaleric Acids in the Presence of Ferritin. <i>Archives of Biochemistry and Biophysics</i> , 2000, 373, 368-374.	3.0	44
118	Protective Effect of Lycopene on Lipid Peroxidation and Oxidative DNA Damage in Cell Culture. <i>Archives of Biochemistry and Biophysics</i> , 2000, 383, 56-59.	3.0	126
119	Singlet Oxygen Induces Oxidation of Cellular DNA. <i>Journal of Biological Chemistry</i> , 2000, 275, 40601-40604.	3.4	260
120	Novel 1,N6-Etheno-2â€™-deoxyadenosine Adducts from Lipid Peroxidation Products. <i>Chemical Research in Toxicology</i> , 2000, 13, 397-405.	3.3	46
121	trans,trans-2,4-Decadienal-Induced 1,N2-Etheno-2â€™-deoxyguanosine Adduct Formation. <i>Chemical Research in Toxicology</i> , 2000, 13, 601-609.	3.3	81
122	Oxaluric Acid as the Major Product of Singlet Oxygen-Mediated Oxidation of 8-Oxo-7,8-dihydroguanine in DNA. <i>Journal of the American Chemical Society</i> , 2000, 122, 12622-12628.	13.7	127
123	Synthesis of a Naphthalene Endoperoxide as a Source of <sup>18</sup> O-labeled Singlet Oxygen for Mechanistic Studies. <i>Journal of the American Chemical Society</i> , 2000, 122, 10212-10213.	13.7	105
124	Utilização de endoperóxidos de derivados de naftaleno como fontes químicas de oxigênio singlete em sistemas biológicos. <i>Química Nova</i> , 2000, 23, 686-689.	0.3	9
125	Measurement of 4,5-dioxovaleric acid by high-performance liquid chromatography and fluorescence detection. <i>Biomedical Applications</i> , 1999, 729, 237-243.	1.7	4
126	PREVENTION OF SINGLET OXYGEN DAMAGE IN 2'-DEOXYGUANOSINE BY LYCOPENE ENTRAPPED IN HUMAN ALBUMIN. , 1999, , 234-237.		0



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127	Supramolecular Cationic Tetra-ruthenated Porphyrin and Light-Induced Decomposition of 2-Deoxyguanosine Predominantly Via a Singlet Oxygen-Mediated Mechanism. <i>Photochemistry and Photobiology</i> , 1998, 68, 698-702.	2.5	11
128	Hydroxyl radicals are involved in the oxidation of isolated and cellular DNA bases by 5-aminolevulinic acid. <i>FEBS Letters</i> , 1998, 428, 93-96.	2.8	72
129	DNA Alkylation by 4,5-Dioxovaleric Acid, the Final Oxidation Product of 5-Aminolevulinic Acid. <i>Chemical Research in Toxicology</i> , 1998, 11, 150-157.	3.3	58
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