Chryssostomos Chatgilialoglu

List of Publications by Year
in descending order

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314 papers	13,251 citations	28190 55 h-index	38300 95 g-index
368 all docs	368 docs citations	368 times ranked	7849 citing authors

#	Article	IF	Citations
1	Incorporation of 5â€™,8-cyclo-2â€™deoxyadenosines by DNA repair polymerases via base excision repair. DNA Repair, 2022, 109, 103258.	1.3	3
2	Sapienic Acid Metabolism Influences Membrane Plasticity and Protein Signaling in Breast Cancer Cell Lines. Cells, 2022, 11, 225.	1.8	12
3	A convenient route to mono-trans polyunsaturated free fatty acids. Journal of Chemical Research, 2022, 46, 174751982210909.	0.6	1
4	Effects of Oxygen Tension for Membrane Lipidome Remodeling of Cockayne Syndrome Cell Models. Cells, 2022, 11, 1286.	1.8	6
5	Biomimetic Radical Chemistry and Applications. Molecules, 2022, 27, 2042.	1.7	3
6	Critical Review on Fatty Acid-Based Food and Nutraceuticals as Supporting Therapy in Cancer. International Journal of Molecular Sciences, 2022, 23, 6030.	1.8	6
7	Evaluation of Hydroxyl Radical Reactivity by Thioether Group Proximity in Model Peptide Backbone: Methionine versus S-Methyl-Cysteine. International Journal of Molecular Sciences, 2022, 23, 6550.	1.8	2
8	Polypyridylâ€Based Copper Phenanthrene Complexes: Combining Stability with Enhanced DNA Recognition. Chemistry - A European Journal, 2021, 27, 971-983.	1.7	17
9	On the relevance of hydroxyl radical to purine DNA damage. Free Radical Research, 2021, 55, 384-404.	1.5	38
10	Mathematical modelling of drug delivery from pH-responsive nanocontainers. Computers in Biology and Medicine, 2021, 131, 104238.	3.9	14
11	Radiation- and Photo-Induced Oxidation Pathways of Methionine in Model Peptide Backbone under Anoxic Conditions. International Journal of Molecular Sciences, 2021, 22, 4773.	1.8	8
12	A harmonized and standardized in vitro approach produces reliable results on silver nanoparticles toxicity in different cell lines. Journal of Applied Toxicology, 2021, 41, 1980-1997.	1.4	4
13	The Two Faces of the Guanyl Radical: Molecular Context and Behavior. Molecules, 2021, 26, 3511.	1.7	9
14	Biomimetic Ketone Reduction by Disulfide Radical Anion. Molecules, 2021, 26, 5429.	1.7	5
15	The Fatty Acid-Based Erythrocyte Membrane Lipidome in Dogs with Chronic Enteropathy. Animals, 2021, 11, 2604.	1.0	7
16	The bacterial protective armor against stress: The cis-trans isomerase of unsaturated fatty acids, a cytochrome-c type enzyme. Journal of Inorganic Biochemistry, 2021, 224, 111564.	1.5	7
17	Reductive Stress of Sulfur-Containing Amino Acids within Proteins and Implication of Tandem Proteinâ€“Lipid Damage. International Journal of Molecular Sciences, 2021, 22, 12863.	1.8	8
18	Effects of somatostatin, curcumin, and quercetin on the fatty acid profile of breast cancer cell membranes. Canadian Journal of Physiology and Pharmacology, 2020, 98, 131-138.	0.7	19

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19	Oxygen-Dependent Accumulation of Purine DNA Lesions in Cockayne Syndrome Cells. Cells, 2020, 9, 1671.	1.8	19
20	Fatty Acid Remodeling of Membrane Glycerophospholipids Induced by Bleomycin and Iron Oxide Nanoparticles in Human Embryonic Kidney Cells. Chemical Research in Toxicology, 2020, 33, 2565-2572.	1.7	2
21	Free-Radical-Mediated Formation of Trans-Cardiolipin Isomers, Analytical Approaches for Lipidomics and Consequences of the Structural Organization of Membranes. Biomolecules, 2020, 10, 1189.	1.8	11
22	The Erythrocyte Membrane Lipidome of Healthy Dogs: Creating a Benchmark of Fatty Acid Distribution and Interval Values. Frontiers in Veterinary Science, 2020, 7, 502.	0.9	6
23	Increased levels of 5â€²,8-Cyclopurine DNA lesions in inflammatory bowel diseases. Redox Biology, 2020, 34, 101562.	3.9	12
24	Oxygen Dependent Purine Lesions in Double-Stranded Oligodeoxynucleotides: Kinetic and Computational Studies Highlight the Mechanism for 5â€²,8-Cyclopurine Formation. Journal of the American Chemical Society, 2020, 142, 5825-5833.	6.6	19
25	The n-10 Fatty Acids Family in the Lipidome of Human Prostatic Adenocarcinoma Cell Membranes and Extracellular Vesicles. Cancers, 2020, 12, 900.	1.7	21
26	Cyclopurine (cPu) lesions: what, how, and why?. Free Radical Research, 2019, 53, 941-943.	1.5	12
27	Purine DNA Lesions at Different Oxygen Concentration in DNA Repair-Impaired Human Cells (EUE-siXPA). Cells, 2019, 8, 1377.	1.8	15
28	Converging Fate of the Oxidation and Reduction of 8-Thioguanosine. Molecules, 2019, 24, 3143.	1.7	6
29	The Entrapment of Somatostatin in a Lipid Formulation: Retarded Release and Free Radical Reactivity. Molecules, 2019, 24, 3085.	1.7	3
30	Melon juice concentrate supplementation in an animal model of obesity: Involvement of relaxin and fatty acid pathways. Journal of Functional Foods, 2019, 59, 92-100.	1.6	2
31	5â€²,8-Cyclopurine Lesions in DNA Damage: Chemical, Analytical, Biological, and Diagnostic Significance. Cells, 2019, 8, 513.	1.8	43
32	Lipidomic biomarkers and mechanisms of lipotoxicity in non-alcoholic fatty liver disease. Free Radical Biology and Medicine, 2019, 144, 293-309.	1.3	146
33	Assessment of DNA Topoisomerase I Unwinding Activity, Radical Scavenging Capacity, and Inhibition of Breast Cancer Cell Viability of N-alkyl-acridones and N,Nâ€²-dialkyl-9,9â€²-biacridylidenes. Biomolecules, 2019, 9, 177.	1.8	8
34	High levels of oxidatively generated DNA damage 8,5â€²-cyclo-2â€²-deoxyadenosine accumulate in the brain tissues of xeroderma pigmentosum group A gene-knockout mice. DNA Repair, 2019, 80, 52-58.	1.3	25
35	Membrane Lipidome Reorganization and Accumulation of Tissue DNA Lesions in Tumor-Bearing Mice: An Exploratory Study. Cancers, 2019, 11, 480.	1.7	15
36	Diastereomeric Recognition of 5â€™,8-cyclo-2â€™-Deoxyadenosine Lesions by Human Poly(ADP-ribose) Polymerase 1 in a Biomimetic Model. Cells, 2019, 8, 116.	1.8	7

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37	Hexadecenoic Fatty Acid Positional Isomers and De Novo PUFA Synthesis in Colon Cancer Cells. International Journal of Molecular Sciences, 2019, 20, 832.	1.8	35
38	New Insights into the Reaction Paths of Hydroxyl Radicals with Purine Moieties in DNA and Double-Stranded Oligodeoxynucleotides. Molecules, 2019, 24, 3860.	1.7	22
39	Polypyridylâ€Based Copper Phenanthrene Complexes: A New Type of Stabilized Artificial Chemical Nuclease. Chemistry - A European Journal, 2019, 25, 221-237.	1.7	29
40	Nucleotide Excision Repair and Impact of Site-Specific 5â€²,8-Cyclopurine and Bulky DNA Lesions on the Physical Properties of Nucleosomes. Biochemistry, 2019, 58, 561-574.	1.2	18
41	Frontispiece: Polypyridylâ€Based Copper Phenanthrene Complexes: A New Type of Stabilized Artificial Chemical Nuclease. Chemistry - A European Journal, 2019, 25, .	1.7	0
42	Trans Lipid Library: Synthesis of Docosahexaenoic Acid (DHA) Monotrans Isomers and Regioisomer Identification in DHA-Containing Supplements. Chemical Research in Toxicology, 2018, 31, 191-200.	1.7	8
43	Effect of 5-trans Isomer of Arachidonic Acid on Model Liposomal Membranes Studied by a Combined Simulation and Experimental Approach. Journal of Membrane Biology, 2018, 251, 475-489.	1.0	4
44	Analysis of the soybean metallothionein system under free radical stress: protein modification connected to lipid membrane damage. Metallomics, 2018, 10, 1792-1804.	1.0	5
45	[Cu(TPMA)(Phen)](ClO₄)₂: Metallodrug Nanocontainer Delivery and Membrane Lipidomics of a Neuroblastoma Cell Line Coupled with a Liposome Biomimetic Model Focusing on Fatty Acid Reactivity. ACS Omega, 2018, 3, 15952-15965.	1.6	12
46	Development of multi-layered and multi-sensitive polymeric nanocontainers for cancer therapy: in vitro evaluation. Scientific Reports, 2018, 8, 14704.	1.6	16
47	Fatty Acid-based Membrane Lipidomics: Why, What and When. Journal of Glycomics & Lipidomics, 2018, 07, .	0.4	0
48	Lipid profile changes in erythrocyte membranes of women with diagnosed GDM. PLoS ONE, 2018, 13, e0203799.	1.1	13
49	Hippocampal lipidome and transcriptome profile alterations triggered by acute exposure of mice to <scp>GSM</scp> 1800 <scp>MH</scp>z mobile phone radiation: An exploratory study. Brain and Behavior, 2018, 8, e01001.	1.0	26
50	Thirty Years of (TMS)₃SiH: A Milestone in Radical-Based Synthetic Chemistry. Chemical Reviews, 2018, 118, 6516-6572.	23.0	207
51	Hydrogen Sulfide: A Reagent for pH-Driven Bioinspired 1,2-Diol Mono-deoxygenation and Carbonyl Reduction in Water. Organic Letters, 2018, 20, 4290-4294.	2.4	10
52	Radical Arene Addition vs Radical Reduction: Why Organometal Hydride Chain Reactions Stop and How To Make Them Go. Journal of Organic Chemistry, 2018, 83, 10037-10050.	1.7	5
53	Why Not Trans? Inhibited Radical Isomerization Cycles and Coupling Chains of Lipids and Alkenes with Alkane-thiols. Journal of Organic Chemistry, 2018, 83, 9178-9189.	1.7	14
54	The Reaction of Thiyl Radical with Methyl Linoleate: Completing the Picture. Journal of the American Chemical Society, 2017, 139, 4704-4714.	6.6	35

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55	Purine 5â€²,8-cyclo-2â€²-deoxynucleoside lesions: formation by radical stress and repair in human breast epithelial cancer cells. Free Radical Research, 2017, 51, 470-482.	1.5	21
56	Lipinutragen Srl is the first company that brings to the market an innovative approach of molecular medicine: cell membrane lipidomics and NUTRILIPIDOMICS, molecular diagnostics towards nutraceuticals and nutrition for a personalized approach in health care. Impact, 2017, 2017, 89-91.	0.0	0
57	Fatty acid-based lipidomics and membrane remodeling induced by apoE3 and apoE4 in human neuroblastoma cells. Biochimica Et Biophysica Acta - Biomembranes, 2017, 1859, 1967-1973.	1.4	12
58	trans-Double Bond-Containing Liposomes as Potential Carriers for Drug Delivery. Molecules, 2017, 22, 2082.	1.7	14
59	High predictive values of RBC membrane-based diagnostics by biophotonics in an integrated approach for Autism Spectrum Disorders. Scientific Reports, 2017, 7, 9854.	1.6	28
60	Fatty Acids in Membranes as Homeostatic, Metabolic and Nutritional Biomarkers: Recent Advancements in Analytics and Diagnostics. Diagnostics, 2017, 7, 1.	1.3	102
61	Radiation chemical studies of Gly-Met-Gly in aqueous solution. Free Radical Research, 2016, 50, S24-S39.	1.5	13
62	Fatty acid-related modulations of membrane fluidity in cells: detection and implications. Free Radical Research, 2016, 50, S40-S50.	1.5	112
63	Radical-induced purine lesion formation is dependent on DNA helical topology. Free Radical Research, 2016, 50, S91-S101.	1.5	11
64	The influence of antioxidants in the thiyl radical induced lipid peroxidation and geometrical isomerization in micelles of linoleic acid. Free Radical Research, 2016, 50, S18-S23.	1.5	10
65	Biomimetic radical chemistry. Free Radical Research, 2016, 50, S1-S1.	1.5	0
66	Radicals and Dormant Species in Biology and Polymer Chemistry. ChemPlusChem, 2016, 81, 11-29.	1.3	16
67	The reactivity of (Me3Si)3SiH with sulfoxides under free radical conditions. Tetrahedron, 2016, 72, 7764-7769.	1.0	4
68	Purine 5â€²,8-cyclo-2â€²-deoxynucleoside lesions in irradiated DNA. Radiation Physics and Chemistry, 2016, 128, 75-81.	1.4	6
69	Effects of bleomycin and antioxidants on the fatty acid profile of testicular cancer cell membranes. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 434-441.	1.4	24
70	The effect of aromatic amines and phenols in the thiyl-induced reactions of polyunsaturated fatty acids. Radiation Physics and Chemistry, 2016, 124, 104-110.	1.4	6
71	Hexadecenoic Fatty Acid Isomers in Human Blood Lipids and Their Relevance for the Interpretation of Lipidomic Profiles. PLoS ONE, 2016, 11, e0152378.	1.1	63
72	A Promising Raman Spectroscopy Technique for the Investigation of trans and cis Cholesteryl Ester Isomers in Biological Samples. Applied Spectroscopy, 2015, 69, 613-622.	1.2	10

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73	Radiation-induced formation of purine lesions in single and double stranded DNA: revised quantification. Frontiers in Chemistry, 2015, 3, 18.	1.8	17
74	The association constant of 5â€²,8-cyclo-2â€²-deoxyguanosine with cytidine. Frontiers in Chemistry, 2015, 3, 22.	1.8	4
75	An ameliorative protocol for the quantification of purine 5â€²,8-cyclo-2â€²-deoxynucleosides in oxidized DNA. Frontiers in Chemistry, 2015, 3, 47.	1.8	23
76	Editorial: Radiation-induced and oxidative DNA damages. Frontiers in Chemistry, 2015, 3, 54.	1.8	7
77	Nutrition and Reproductive Health: Sperm versus Erythrocyte Lipidomic Profile andÏ‰-3 Intake. Journal of Nutrition and Metabolism, 2015, 2015, 1-8.	0.7	8
78	The mitochondrial-targeted antioxidant, MitoQ, increases liver mitochondrial cardiolipin content in obesogenic diet-fed rats. Biochimica Et Biophysica Acta - Bioenergetics, 2015, 1847, 1025-1035.	0.5	40
79	DNA oxidation profiles of copper phenanthrene chemical nucleases. Frontiers in Chemistry, 2015, 3, 28.	1.8	41
80	Differences in the Access of Lesions to the Nucleotide Excision Repair Machinery in Nucleosomes. Biochemistry, 2015, 54, 4181-4185.	1.2	15
81	Delocalized Hole Domains in Guanine-Rich DNA Oligonucleotides. Journal of Physical Chemistry B, 2015, 119, 5462-5466.	1.2	33
82	Beta cell response to nutrient overload involves phospholipid remodelling and lipid peroxidation. Diabetologia, 2015, 58, 1333-1343.	2.9	32
83	Bypass of a 5â€²,8-cyclopurine-2â€²-deoxynucleoside by DNA polymerase Î² during DNA replication and base excision repair leads to nucleotide misinsertions and DNA strand breaks. DNA Repair, 2015, 33, 24-34.	1.3	22
84	Bleomycin-induced trans lipid formation in cell membranes and in liposome models. Organic and Biomolecular Chemistry, 2015, 13, 1100-1105.	1.5	15
85	Biomimetic chemistry on the protection of cis phospholipid from the thiyl radical isomerization by common antioxidants. Arkivoc, 2015, 2015, 140-153.	0.3	8
86	Structural basis for the recognition of diastereomeric 5â€²,8-cyclo-2â€²-deoxypurine lesions by the human nucleotide excision repair system. Nucleic Acids Research, 2014, 42, 5020-5032.	6.5	69
87	A 5â€², 8-cyclo-2â€²-deoxypurine lesion induces trinucleotide repeat deletion via a unique lesion bypass by DNA polymerase Î². Nucleic Acids Research, 2014, 42, 13749-13763.	6.5	31
88	Lipid Geometrical Isomerism: From Chemistry to Biology and Diagnostics. Chemical Reviews, 2014, 114, 255-284.	23.0	157
89	A lipophilic â€œfully-antiâ€•dodecamer from a (5â€²S)-5â€²,8-cyclo-2â€²-deoxyguanosine. Chemical Communications, 2014, 50, 10722-10725.	2.2	3
90	A problem solving approach for the diastereoselective synthesis of (5â€²S)- and (5â€²R)-5â€²,8-cyclopurine lesions. Organic Chemistry Frontiers, 2014, 1, 698.	2.3	11

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91	Biomimetic Thiyl Radical Chemistry by Î³â€Irradiation of Micelles and Vesicles Containing Unsaturated Fatty Acids. Israel Journal of Chemistry, 2014, 54, 242-247.	1.0	10
92	Signaling properties of 4-hydroxyalkenals formed by lipid peroxidation in diabetes. Free Radical Biology and Medicine, 2013, 65, 978-987.	1.3	96
93	Radical Cascade Protocol for the Synthesis of (5'S)- and (5'R)-5',8-Cyclo-2'-deoxyguanosine Derivatives. Australian Journal of Chemistry, 2013, 66, 330.	0.5	10
94	Non-enzymatic modifications in metallothioneins connected to lipid membrane damages: Structural and biomimetic studies under reductive radical stress. Journal of Proteomics, 2013, 92, 204-215.	1.2	14
95	Hexadecenoic Fatty Acid Isomers: A Chemical Biology Approach for Human Plasma Biomarker Development. Chemical Research in Toxicology, 2013, 26, 1703-1709.	1.7	52
96	Free Radicals in Chemical Biology: from Chemical Behavior to Biomarker Development. Journal of Visualized Experiments, 2013, , .	0.2	4
97	Effects of Elaidic Acid on Lipid Metabolism in HepG2 Cells, Investigated by an Integrated Approach of Lipidomics, Transcriptomics and Proteomics. PLoS ONE, 2013, 8, e74283.	1.1	35
98	Biomimetic Models of Radical Stress and Related Biomarkers. Chimia, 2012, 66, 368.	0.3	7
99	Nutrilipidomics: A Tool for Personalized Health. Journal of Glycomics & Lipidomics, 2012, 02, .	0.4	8
100	Recent Applications of the (TMS)3SiH Radical-Based Reagent. Molecules, 2012, 17, 527-555.	1.7	87
101	Revisiting the reaction of hydroxyl radicals with vicinal diols in water. Organic and Biomolecular Chemistry, 2012, 10, 1102-1107.	1.5	14
102	Trans Fatty Acids: Chemical Synthesis of Eicosapentaenoic Acid Isomers and Detection in Rats Fed a Deodorized Fish Oil Diet. Chemical Research in Toxicology, 2012, 25, 687-694.	1.7	27
103	Investigation of reactions postulated to occur during inhibition of ribonucleotide reductases by 2â€²-azido-2â€²-deoxynucleotides. Tetrahedron, 2012, 68, 5655-5667.	1.0	1
104	Kinetic Studies on the Formation of Sulfonyl Radicals and Their Addition to Carbonâ€“Carbon Multiple Bonds. Journal of Physical Chemistry A, 2012, 116, 7623-7628.	1.1	35
105	Rat liver mitochondrial membrane characteristics and mitochondrial functions are more profoundly altered by dietary lipid quantity than by dietary lipid quality: effect of different nutritional lipid patterns. British Journal of Nutrition, 2012, 107, 647-659.	1.2	67
106	trans Arachidonic acid isomers inhibit NADPH-oxidase activity by direct interaction with enzyme components. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 2314-2324.	1.4	28
107	Role of fatty acid-based functional lipidomics in the development of molecular diagnostic tools. Expert Review of Molecular Diagnostics, 2012, 12, 767-780.	1.5	75
108	Purine 5â€²,8-cyclonucleoside lesions: chemistry and biology. Chemical Society Reviews, 2011, 40, 1368.	18.7	131

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109	Human serum albumin modifications associated with reductive radical stress. Molecular BioSystems, 2011, 7, 889-898.	2.9	42
110	New Insights into the Reaction Paths of Hydroxyl Radicals with 2â€²-Deoxyguanosine. Chemical Research in Toxicology, 2011, 24, 2200-2206.	1.7	63
111	Lipid Markers of â€œGeometricalâ€•Radical Stress: Synthesis of Monotrans Cholesteryl Ester Isomers and Detection in Human Plasma. Journal of the American Chemical Society, 2011, 133, 15184-15190.	6.6	23
112	Radiation-induced reductive modifications of sulfur-containing amino acids within peptides and proteins. Journal of Proteomics, 2011, 74, 2264-2273.	1.2	40
113	Linoleic acid peroxidation vs. isomerization: a biomimetic model of free radical reactivity in the presence of thiols. Organic and Biomolecular Chemistry, 2011, 9, 3541.	1.5	37
114	Radical-based alkylation of guanine derivatives in aqueous medium. Organic and Biomolecular Chemistry, 2011, 9, 3494.	1.5	11
115	Role of Lipid Peroxidation and PPAR-Î´ in Amplifying Glucose-Stimulated Insulin Secretion. Diabetes, 2011, 60, 2830-2842.	0.3	93
116	Combined Raman and IR spectroscopic study on the radical-based modifications of methionine. Analytical and Bioanalytical Chemistry, 2011, 401, 1231-1239.	1.9	31
117	Investigation of Excessâ€Electron Transfer in DNA Doubleâ€Duplex Systems Allows Estimation of Absolute Excessâ€Electron Transfer and CPD Cleavage Rates. Chemistry - A European Journal, 2011, 17, 206-212.	1.7	26
118	Effects of oxygen and antioxidants on the cis-trans-isomerization of unsaturated fatty acids caused by thiyl radicals. Moscow University Chemistry Bulletin, 2010, 65, 210-211.	0.2	1
119	Base-Promoted Reaction of 5-Hydroxyuracil Derivatives with Peroxyl Radicals. Organic Letters, 2010, 12, 4130-4133.	2.4	29
120	Separation of cis/trans geometrical fatty acid isomers by silver-exchanged zeolite Y. Tetrahedron, 2010, 66, 2203-2209.	1.0	7
121	One-Electron Reduction of 8-Bromoisoguanosine and 8-Bromoxanthosine in the Aqueous Phase: Sequential versus Concerted Proton-Coupled Electron Routes. Journal of Physical Chemistry Letters, 2010, 1, 174-177.	2.1	5
122	Radiation Chemical Studies of Methionine in Aqueous Solution: Understanding the Role of Molecular Oxygen. Chemical Research in Toxicology, 2010, 23, 258-263.	1.7	46
123	Radiation-induced formation of purine 5â€²,8-cyclonucleosides in isolated and cellular DNA: high stereospecificity and modulating effect of oxygen. Organic and Biomolecular Chemistry, 2010, 8, 3211.	1.5	91
124	Zinc and Cadmium Complexes of a Plant Metallothionein under Radical Stress: Desulfurisation Reactions Associated with the Formation of transâ€Lipids in Model Membranes. Chemistry - A European Journal, 2009, 15, 6015-6024.	1.7	32
125	Rate constants and transitionâ€state geometry of reactions of alkyl, alkoxyl, and peroxyl radicals with thiols. International Journal of Chemical Kinetics, 2009, 41, 284-293.	1.0	47
126	A Reevaluation of the Ambident Reactivity of the Guanine Moiety Towards Hydroxyl Radicals. Angewandte Chemie - International Edition, 2009, 48, 2214-2217.	7.2	87

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127	Comparison of Isoelectronic 8-HO-G and 8-NH₂-G Derivatives in Redox Processes. Journal of the American Chemical Society, 2009, 131, 15895-15902.	6.6	11
128	Hydrosilylation of Câ”C Multiple Bonds Using (Me₃Si)₃SiH in Water. Comparative Study of the Radical Initiation Step. Organometallics, 2009, 28, 3282-3287.	1.1	43
129	Membrane Lipidomics and the Geometry of Unsaturated Fatty Acids From Biomimetic Models to Biological Consequences. Methods in Molecular Biology, 2009, 579, 391-411.	0.4	22
130	Reaction of Hydrated Electrons with Guanine Derivatives: Tautomerism of Intermediate Species. Journal of Physical Chemistry B, 2009, 113, 2170-2176.	1.2	12
131	(Me₃Si)₃SiH: Twenty Years After Its Discovery as a Radicalâ€Based Reducing Agent. Chemistry - A European Journal, 2008, 14, 2310-2320.	1.7	144
132	Synthesis of all-trans anandamide: A substrate for fatty acid amide hydrolase with dual effects on rabbit platelet activation. Bioorganic and Medicinal Chemistry, 2008, 16, 8359-8365.	1.4	9
133	Silyl Radicals in Chemical Synthesis. Advances in Organometallic Chemistry, 2008, 57, 117-181.	0.5	49
134	Fatty Acid Profile of Erythrocyte Membranes As Possible Biomarker of Longevity. Rejuvenation Research, 2008, 11, 63-72.	0.9	87
135	Lipid metabolism and diet: Possible mechanisms of slow aging. International Journal of Biochemistry and Cell Biology, 2008, 40, 324-333.	1.2	25
136	Solar one-way photoisomerisation of 5â€²,8-cyclo-2â€²-deoxyadenosine. Organic and Biomolecular Chemistry, 2008, 6, 1083.	1.5	6
137	One-Electron Reduction of 8-Bromo-2-aminoadenosine in the Aqueous Phase:â€‰ Radiation Chemical and DFT Studies of the Mechanism. Journal of Physical Chemistry B, 2008, 112, 5209-5217.	1.2	9
138	The Reductive Desulfurization of Met and Cys Residues in Bovine RNase A Is Associated with trans Lipids Formation in a Mimetic Model of Biological Membranes. Journal of Proteome Research, 2008, 7, 2007-2015.	1.8	35
139	The Fate of C5â€² Radicals of Purine Nucleosides under Oxidative Conditions. Journal of the American Chemical Society, 2008, 130, 8377-8385.	6.6	56
140	Biomimetic Chemistry on Tandem Protein/Lipid Damages under Reductive Radical Stress. Chimia, 2008, 62, 721-727.	0.3	9
141	Lipidomics and Free Radical Modifications of Lipids. Chimia, 2008, 62, 713.	0.3	3
142	DNA Damage and Radical Reactions: Mechanistic Aspects, Formation in Cells and Repair Studies. Chimia, 2008, 62, 742-749.	0.3	19
143	Biologically Relevant Small Radicals. Chimia, 2008, 62, 704-712.	0.3	19
144	Transferring Chemical Research to a Spin-off Initiative in Health Care: The Lipidomic Approach. Industry and Higher Education, 2008, 22, 403-409.	1.4	0

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145	Free Radicals in Chemical Biology. Chimia, 2008, 62, 703.	0.3	0
146	Independent Generation of C5â€˜-Nucleosidyl Radicals in Thymidine and 2â€˜-Deoxyguanosine. Journal of Organic Chemistry, 2007, 72, 3659-3666.	1.7	39
147	(5â€²S)- and (5â€²R)-5â€²,8-Cyclo-2â€²-deoxyguanosine: Mechanistic Insights on the 2â€²-Deoxyguanosin-5â€²-yl Radical Cyclization. Chemical Research in Toxicology, 2007, 20, 1820-1824.	1.7	54
148	One-Electron Reduction of Methanesulfonyl Chloride. The Fate of MeSO2Clâ€¢-and MeSO2â€¢Intermediates in Oxygenated Solutions and Their Role in the Cisâ^'Trans Isomerization of Mono-unsaturated Fatty Acids. Journal of the American Chemical Society, 2007, 129, 8716-8723.	6.6	30
149	Radical Carbonylation with [11C]Carbon Monoxide Promoted by Oxygen-Centered Radicals:Â Experimental and DFT Studies of the Mechanism. Journal of the American Chemical Society, 2007, 129, 9020-9031.	6.6	29
150	Radical Reactions in Aqueous Medium Using (Me₃Si)₃SiH. Organic Letters, 2007, 9, 5159-5162.	2.4	86
151	Reactions of Hydrogen Atoms with Met-Enkephalin and Related Peptides. Chemistry - A European Journal, 2007, 13, 2029-2033.	1.7	27
152	Ring Opening of the Cyclobutane in a Thymine Dimer Radical Anion. Chemistry - A European Journal, 2007, 13, 8979-8984.	1.7	24
153	The Sulfhydryl Radical (HS./S.â^): A Contender for the Isomerization of Double Bonds in Membrane Lipids. Angewandte Chemie - International Edition, 2007, 46, 1914-1916.	7.2	47
154	Trans Fatty Acids in Membranes: The Free Radical Path. Molecular Biotechnology, 2007, 37, 19-25.	1.3	25
155	Probing the influence of cisâ€“trans isomers on model lipid membrane fluidity using cis-parinaric acid and a stop-flow technique. Chemical Communications, 2006, , 529-531.	2.2	15
156	C5â€˜-Adenosinyl Radical Cyclization. A Stereochemical Investigation. Journal of Organic Chemistry, 2006, 71, 4445-4452.	1.7	38
157	Tautomerism in the Guanyl Radical. Journal of the American Chemical Society, 2006, 128, 13796-13805.	6.6	74
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