Chryssostomos Chatgilialoglu

List of Publications by Year
in descending order

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	Chemistry of Acyl Radicals. Chemical Reviews, 1999, 99, 1991-2070.	23.0	800
2	Organosilanes as radical-based reducing agents in synthesis. Accounts of Chemical Research, 1992, 25, 188-194.	7.6	591
3	Structural and Chemical Properties of Silyl Radicals. Chemical Reviews, 1995, 95, 1229-1251.	23.0	393
4	Rate constants and Arrhenius parameters for the reactions of primary, secondary, and tertiary alkyl radicals with tri-n-butyltin hydride. Journal of the American Chemical Society, 1981, 103, 7739-7742.	6.6	348
5	Tris(trimethylsilyl)silane as a radical-based reducing agent in synthesis. Journal of Organic Chemistry, 1991, 56, 678-683.	1.7	245
6	Tris(trimethylsilyl)silane. A new reducing agent. Journal of Organic Chemistry, 1988, 53, 3641-3642.	1.7	211
7	Thirty Years of (TMS)₃SiH: A Milestone in Radical-Based Synthetic Chemistry. Chemical Reviews, 2018, 118, 6516-6572.	23.0	207
8	Tris(trimethylsilyl)silane: an efficient hydrosilylating agent of alkenes and alkynes. Journal of Organic Chemistry, 1992, 57, 3994-4000.	1.7	189
9	Reduction of silicon-hydrogen bond strengths. Journal of the American Chemical Society, 1987, 109, 5267-5268.	6.6	171
10	Lipid Geometrical Isomerism: From Chemistry to Biology and Diagnostics. Chemical Reviews, 2014, 114, 255-284.	23.0	157
11	Tris(trimethylsilyl)silane as mediator in organic synthesis via radicals. Tetrahedron Letters, 1989, 30, 681-684.	0.7	147
12	Lipidomic biomarkers and mechanisms of lipotoxicity in non-alcoholic fatty liver disease. Free Radical Biology and Medicine, 2019, 144, 293-309.	1.3	146
13	(Me₃Si)₃SiH: Twenty Years After Its Discovery as a Radicalâ€Based Reducing Agent. Chemistry - A European Journal, 2008, 14, 2310-2320.	1.7	144
14	Energies of Activation. The Paradigm of Hydrogen Abstractions by Radicals. Journal of the American Chemical Society, 1995, 117, 10645-10654.	6.6	139
15	PdCl2-Catalyzed Reduction of Organic Halides by Triethylsilane. Organometallics, 1996, 15, 1508-1510.	1.1	132
16	Purine 5â€²,8-cyclonucleoside lesions: chemistry and biology. Chemical Society Reviews, 2011, 40, 1368.	18.7	131
17	Trans Lipids:â€‰ The Free Radical Path. Accounts of Chemical Research, 2005, 38, 441-448.	7.6	128
18	Cisâ^'Trans Isomerization of Polyunsaturated Fatty Acid Residues in Phospholipids Catalyzed by Thiyl Radicals. Journal of the American Chemical Society, 2001, 123, 4459-4468.	6.6	113

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19	The Kinetics of Thiyl Radical-Induced Reactions of Monounsaturated Fatty Acid Esters. Journal of the American Chemical Society, 2002, 124, 12816-12823.	6.6	112
20	Fatty acid-related modulations of membrane fluidity in cells: detection and implications. Free Radical Research, 2016, 50, S40-S50.	1.5	112
21	Regioselective Cisâ^'Trans Isomerization of Arachidonic Double Bonds by Thiyl Radicals:â€‰ The Influence of Phospholipid Supramolecular Organization. Journal of the American Chemical Society, 2004, 126, 1063-1072.	6.6	111
22	Model Studies of DNA C5â€˜ Radicals. Selective Generation and Reactivity of 2â€˜-Deoxyadenosin-5â€˜-yl Radical. Journal of the American Chemical Society, 2003, 125, 3839-3848.	6.6	110
23	Absolute rate constants for the addition of triethylsilyl radicals to various unsaturated compounds. Journal of the American Chemical Society, 1983, 105, 3292-3296.	6.6	103
24	Fatty Acids in Membranes as Homeostatic, Metabolic and Nutritional Biomarkers: Recent Advancements in Analytics and Diagnostics. Diagnostics, 2017, 7, 1.	1.3	102
25	cisâ^'transIsomerization of Monounsaturated Fatty Acid Residues in Phospholipids by Thiyl Radicals. Journal of the American Chemical Society, 2000, 122, 4593-4601.	6.6	101
26	Formation, decay, and spectral characterization of some alkyl- and aryl-substituted carbon-, silicon-, germanium-, and tin-centered radicals. Organometallics, 1983, 2, 1332-1335.	1.1	98
27	Signaling properties of 4-hydroxyalkenals formed by lipid peroxidation in diabetes. Free Radical Biology and Medicine, 2013, 65, 978-987.	1.3	96
28	trans Lipids: The Free Radical Path. ChemInform, 2005, 36, no.	0.1	93
29	Role of Lipid Peroxidation and PPAR-Î´ in Amplifying Glucose-Stimulated Insulin Secretion. Diabetes, 2011, 60, 2830-2842.	0.3	93
30	Rate constants and Arrhenius parameters for the reactions of some carbon-centered radicals with tris(trimethylsilyl)silane. Journal of Organic Chemistry, 1991, 56, 6399-6403.	1.7	91
31	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
32	Absolute rate constants for the reaction of triethylsilyl radicals with organic halides. Journal of the American Chemical Society, 1982, 104, 5123-5127.	6.6	88
33	Hydrogen Donor Abilities of the Group 14 Hydrides. Advances in Organometallic Chemistry, 1999, , 67-112.	0.5	88
34	Free radicals associated with DNA damage. Experimental Gerontology, 2001, 36, 1459-1471.	1.2	88
35	Fatty Acid Profile of Erythrocyte Membranes As Possible Biomarker of Longevity. Rejuvenation Research, 2008, 11, 63-72.	0.9	87
36	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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37	Recent Applications of the (TMS)3SiH Radical-Based Reagent. Molecules, 2012, 17, 527-555.	1.7	87
38	Radical Reactions in Aqueous Medium Using (Me₃Si)₃SiH. Organic Letters, 2007, 9, 5159-5162.	2.4	86
39	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
40	5-Endo-trig Radical Cyclizations:â€‰ Disfavored or Favored Processes?. Journal of the American Chemical Society, 2002, 124, 10765-10772.	6.6	74
41	Tautomerism in the Guanyl Radical. Journal of the American Chemical Society, 2006, 128, 13796-13805.	6.6	74
42	lipid formation induced by thiols in human monocytic leukemia cells. Free Radical Biology and Medicine, 2005, 38, 1180-1187.	1.3	73
43	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
44	Occurrence of trans fatty acids in rats fed a trans-free diet: A free radical-mediated formation?. Free Radical Biology and Medicine, 2006, 40, 1549-1556.	1.3	67
45	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
46	Homolytic Reactivity of Group 14 Organometallic Hydrides toward Nitroxides. Journal of Organic Chemistry, 1998, 63, 1687-1693.	1.7	66
47	Tris(trimethylsilyl)silane: A catalyst for radical mediated reduction reactions. Tetrahedron Letters, 1989, 30, 2733-2734.	0.7	64
48	Tautomers of One-Electron-Oxidized Guanosine. Angewandte Chemie - International Edition, 2005, 44, 6030-6032.	7.2	63
49	Complex Sequence Dependence by Excess-Electron Transfer through DNA with Different Strength Electron Acceptors. Angewandte Chemie - International Edition, 2006, 45, 318-321.	7.2	63
50	New Insights into the Reaction Paths of Hydroxyl Radicals with 2â€²-Deoxyguanosine. Chemical Research in Toxicology, 2011, 24, 2200-2206.	1.7	63
51	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
52	Absolute rate constants for the reactions of tert-butoxyl radicals and some ketone triplets with silanes. Organometallics, 1982, 1, 466-469.	1.1	61
53	Fate of the 2â€˜-Deoxyadenosin-5â€˜-yl Radical under Anaerobic Conditions. Journal of the American Chemical Society, 2000, 122, 4225-4226.	6.6	61
54	Arachidonate geometrical isomers generated by thiyl radicals: the relationship with trans lipids detected in biological samples. Free Radical Biology and Medicine, 2002, 33, 1516-1526.	1.3	61

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55	Rate constants for the reactions of tris(trimethylsilyl)silyl radicals with organic halides. Journal of Organic Chemistry, 1989, 54, 2492-2494.	1.7	59
56	The trimethylsilyl substituent effect on the reactivity of silanes. Structural correlations between silyl radicals and their parent silanes. Journal of Organic Chemistry, 1992, 57, 3405-3409.	1.7	59
57	1,5-Radical Translocation Protocol for the Generation of C-1â€˜ Radicals in Nucleosides. Synthesis of Spiro Nucleosides through a Rare 5-endo-trigCyclization. Journal of Organic Chemistry, 1996, 61, 1908-1909.	1.7	58
58	C-1â€² Radical-Based Approaches for the Synthesis of Anomeric Spironucleosides. Chemistry - A European Journal, 1999, 5, 2866-2876.	1.7	57
59	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
60	Models of DNA C1â€˜ Radicals. Structural, Spectral, and Chemical Properties of the Thyminylmethyl Radical and the 2â€˜-Deoxyuridin-1â€˜-yl Radical. Journal of the American Chemical Society, 2000, 122, 9525-9533.	6.6	55
61	(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
62	Rate Constants and Arrhenius Parameters for the Reaction of Acyl Radicals with Bu3SnH and (Me3Si)3SiH. Organometallics, 1995, 14, 2672-2676.	1.1	53
63	Autoxidation of Poly(hydrosilane)s. Organometallics, 1998, 17, 2169-2176.	1.1	53
64	Absolute rate constants for hydrogen abstraction from aldehydes and conformational studies of the corresponding aromatic acyl radicals. Journal of the American Chemical Society, 1984, 106, 5252-5256.	6.6	52
65	Progress of the Barton-McComble Methodology: From tin hydrides to Silanes. Research on Chemical Intermediates, 1993, 19, 755-775.	1.3	52
66	Hexadecenoic Fatty Acid Isomers: A Chemical Biology Approach for Human Plasma Biomarker Development. Chemical Research in Toxicology, 2013, 26, 1703-1709.	1.7	52
67	Kinetics of 2â€˜-Deoxyuridin-1â€˜-yl Radical Reactions. Journal of the American Chemical Society, 1999, 121, 2927-2928.	6.6	51
68	Silyl Radicals in Chemical Synthesis. Advances in Organometallic Chemistry, 2008, 57, 117-181.	0.5	49
69	The Kinetics ofZ/E Isomerization of Methyl Oleate Catalyzed by Photogenerated Thiyl Radicals. ChemPhysChem, 2005, 6, 286-291.	1.0	48
70	5â€exoâ€trig Versus 6â€endoâ€trig Cyclization of Alkâ€5â€enoyl Radicals: The Role of Oneâ€Carbon Ring Expansion. Chemistry - A European Journal, 1997, 3, 376-387.	1.7	48
71	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
72	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

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73	Absolute rate constants for the addition of triethylsilyl radicals to the carbonyl group. Journal of the American Chemical Society, 1982, 104, 5119-5123.	6.6	46
74	A study on the reducing abilities of tris(alkylthio)silanes. Journal of Organic Chemistry, 1992, 57, 2427-2433.	1.7	46
75	Homolytic Substitution Reaction at a Silicon Atom. Helvetica Chimica Acta, 1992, 75, 935-939.	1.0	46
76	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
77	Autoxidation of tris(trimethylsilyl)silane. Journal of Organic Chemistry, 1992, 57, 2207-2208.	1.7	44
78	(Z)-(E) Interconversion of Olefins by the Addition-Elimination Sequence of the (TMS)3Si.bul. Radical. Journal of Organic Chemistry, 1995, 60, 3826-3831.	1.7	44
79	Geometrical trans Lipid Isomers: A New Target for Lipidomics. ChemBioChem, 2005, 6, 1722-1734.	1.3	44
80	Electron spin resonance studies of radicals formed during the thermolysis and photolysis of sulphoxides and thiolsulphonates. Journal of the Chemical Society Perkin Transactions II, 1980, , 1141.	0.9	43
81	One-Carbon Ring Expansion in Cyclopentanones as a Free-Radical Clock. Journal of Organic Chemistry, 1998, 63, 1327-1329.	1.7	43
82	Geometrical isomerism of monounsaturated fatty acids: thiyl radical catalysis and influence of antioxidant vitamins. Free Radical Biology and Medicine, 2002, 33, 1681-1692.	1.3	43
83	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
84	5â€²,8-Cyclopurine Lesions in DNA Damage: Chemical, Analytical, Biological, and Diagnostic Significance. Cells, 2019, 8, 513.	1.8	43
85	"Spontaneous" formation of radicals from nitroso compounds. Inadvertent photolysis vs. molecule assisted homolysis. Journal of the American Chemical Society, 1981, 103, 4833-4837.	6.6	42
86	The reaction of tris(trimethylsilyl)silane with acid chlorides. Tetrahedron Letters, 1992, 33, 1787-1790.	0.7	42
87	A comment on the use of triethylsilane as a radical-based reducing agent. Journal of Organic Chemistry, 1993, 58, 249-251.	1.7	42
88	Human serum albumin modifications associated with reductive radical stress. Molecular BioSystems, 2011, 7, 889-898.	2.9	42
89	Experimental and theoretical approaches to the optical absorption spectra of sulfonyl radicals. The Journal of Physical Chemistry, 1987, 91, 3747-3750.	2.9	41
90	Addition Reactions of Tris(trimethylsilyl)germyl Radicals to Unsaturated Compounds. An EPR and Product Study. Journal of Organic Chemistry, 1997, 62, 8009-8014.	1.7	41

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91	The versatile behavior of the PdCl2/Et3SiH system. Conversion of alcohols to the corresponding halides and alkanes. Journal of Organometallic Chemistry, 1998, 554, 135-137.	0.8	41
92	A mechanistic investigation of (Me3Si)3SiH oxidation. Journal of Organometallic Chemistry, 2004, 689, 2912-2919.	0.8	41
93	DNA oxidation profiles of copper phenanthrene chemical nucleases. Frontiers in Chemistry, 2015, 3, 28.	1.8	41
94	Radical-based reduction of phosphine sulfides and phosphine selenides by (Me3Si)3SiH. Tetrahedron Letters, 2000, 41, 9899-9902.	0.7	40
95	Radiation-induced reductive modifications of sulfur-containing amino acids within peptides and proteins. Journal of Proteomics, 2011, 74, 2264-2273.	1.2	40
96	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
97	Addition of tris(trimethylsilyl)silyl radicals to the carbonyl group. Tetrahedron, 1990, 46, 3963-3972.	1.0	39
98	2-Functionalized allyl tris(trimethylsilyl)silanes as radical-based allylating agents. Tetrahedron Letters, 1996, 37, 6387-6390.	0.7	39
99	The thiyl radical-mediated isomerization of cis-monounsaturated fatty acid residues in phospholipids: a novel path of membrane damage?. Chemical Communications, 1999, , 407-408.	2.2	39
100	Independent Generation of C5â€˜-Nucleosidyl Radicals in Thymidine and 2â€˜-Deoxyguanosine. Journal of Organic Chemistry, 2007, 72, 3659-3666.	1.7	39
101	C5â€˜-Adenosinyl Radical Cyclization. A Stereochemical Investigation. Journal of Organic Chemistry, 2006, 71, 4445-4452.	1.7	38
102	On the relevance of hydroxyl radical to purine DNA damage. Free Radical Research, 2021, 55, 384-404.	1.5	38
103	Synthesis of 2-functionalized allyl tris(trimethylsilyl)silanes. Tetrahedron Letters, 1996, 37, 6383-6386.	0.7	37
104	Tris(trimethylsilyl)silane as mediator in the radical-based allylation reactions of allyl and 2-functionalized allyl phenyl sulfones. Tetrahedron Letters, 1996, 37, 6391-6394.	0.7	37
105	Trans fatty acids and atopic eczema/dermatitis syndrome: The relationship with a free radical cis-trans isomerization of membrane lipids. Lipids, 2005, 40, 661-667.	0.7	37
106	trans-Fatty acids and radical stress: What are the real culprits?. Bioorganic and Medicinal Chemistry, 2006, 14, 6144-6148.	1.4	37
107	Reductive Modification of a Methionine Residue in the Amyloid-Î² Peptide. Angewandte Chemie - International Edition, 2006, 45, 2595-2598.	7.2	37
108	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

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109	5,10-dihydro-silanthrene as a reagent for the Barton-McCombie reaction. Tetrahedron Letters, 1995, 36, 3897-3900.	0.7	36
110	Fate of the C-1â€² peroxyl radical in the 2â€²-deoxyuridine system. Chemical Communications, 1998, , 1249-1250.	2.2	36
111	Kinetic studies on the formation and decay of some sulfonium radicals. Journal of Organic Chemistry, 1983, 48, 3588-3589.	1.7	35
112	Hydrogen Donor Abilities of Germanium Hydrides. Organometallics, 1999, 18, 2395-2397.	1.1	35
113	Rate Constants for the Î²-Elimination of Tosyl Radical from a Variety of Substituted Carbon-Centered Radicals. Journal of Organic Chemistry, 2003, 68, 3532-3537.	1.7	35
114	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
115	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
116	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
117	The Reaction of Thiyl Radical with Methyl Linoleate: Completing the Picture. Journal of the American Chemical Society, 2017, 139, 4704-4714.	6.6	35
118	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
119	The photochemistry of 8-bromo-2â€²-deoxyadenosine. A direct entry to cyclopurine lesions. Photochemical and Photobiological Sciences, 2004, 3, 1042-1046.	1.6	34
120	The Tris(trimethylsilyl)silane/Thiol Reducing System: A Tool for Measuring Rate Constants for Reactions of Carbon-Centered Radicals with Thiols. Helvetica Chimica Acta, 2006, 89, 2387-2398.	1.0	33
121	Delocalized Hole Domains in Guanine-Rich DNA Oligonucleotides. Journal of Physical Chemistry B, 2015, 119, 5462-5466.	1.2	33
122	Tris(trimethylsilyl)germane as a Radical-Based Reducing Agent. Organometallics, 1995, 14, 5017-5018.	1.1	32
123	Chemical Radiation Studies of 8-Bromoguanosine in Aqueous Solutions. Journal of the American Chemical Society, 2000, 122, 1900-1907.	6.6	32
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	Beta cell response to nutrient overload involves phospholipid remodelling and lipid peroxidation. Diabetologia, 2015, 58, 1333-1343.	2.9	32
126	Tris(alkylthio)silanes as New Reducing Agents via Radicals. Synlett, 1990, 1990, 219-220.	1.0	31

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127	(Me3Si)3SiSH: a new radical-based reducing agent. Journal of Organometallic Chemistry, 1991, 408, C1-C4.	0.8	31
128	Combined Raman and IR spectroscopic study on the radical-based modifications of methionine. Analytical and Bioanalytical Chemistry, 2011, 401, 1231-1239.	1.9	31
129	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
130	Alkyl isocyanides as precursors for the formation of carbon-carbon bonds. Tetrahedron Letters, 1990, 31, 6013-6016.	0.7	30
131	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
132	Absolute rate constants for some reactions involving triethylsilyl radicals in solution. Journal of the American Chemical Society, 1981, 103, 3231-3232.	6.6	29
133	A new class of anomeric spironucleosides. Chemical Communications, 1997, , 2089-2090.	2.2	29
134	Generation of C-1â€² radicals through a Î²-(acyloxy)alkyl rearrangement in modified purine and pyrimidine nucleosides. Tetrahedron, 1998, 54, 573-592.	1.0	29
135	Radiation damage of lysozyme in a biomimetic model: some insights by Raman spectroscopy. Journal of Molecular Structure, 2005, 744-747, 767-773.	1.8	29
136	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
137	Base-Promoted Reaction of 5-Hydroxyuracil Derivatives with Peroxyl Radicals. Organic Letters, 2010, 12, 4130-4133.	2.4	29
138	Polypyridylâ€Based Copper Phenanthrene Complexes: A New Type of Stabilized Artificial Chemical Nuclease. Chemistry - A European Journal, 2019, 25, 221-237.	1.7	29
139	Selective Generation and Reactivity of 5â€²-Adenosinyl and 2â€²-Adenosinyl Radicals. Chemistry - A European Journal, 2004, 10, 1249-1255.	1.7	28
140	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
141	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
142	On the addition of silyl radicals to unsaturated carbonyl compounds. Regioselectivity of the attack and 1,3 carbon to oxygen silicon migration. Journal of the American Chemical Society, 1986, 108, 4993-4998.	6.6	27
143	Reactions of tris(trimethylsilyl)silyl radicals with nitro alkanes. EPR, kinetic, and product studies. Journal of Organic Chemistry, 1992, 57, 948-952.	1.7	27
144	The Reaction of Hydrogen Atoms with Methionine Residues: A Model of Reductive Radical Stress Causing Tandem Protein-Lipid Damage. ChemBioChem, 2006, 7, 1738-1744.	1.3	27

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145	Reactions of Hydrogen Atoms with Met-Enkephalin and Related Peptides. Chemistry - A European Journal, 2007, 13, 2029-2033.	1.7	27
146	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
147	Structures and optical absorption spectra of some sulfuranyl radicals in solution. Journal of Organic Chemistry, 1985, 50, 2516-2518.	1.7	26
148	Spectra and structure of the 2â€²-deoxyuridin-1â€²-yl radical. Tetrahedron Letters, 1998, 39, 3947-3950.	0.7	26
149	Investigation of radical-based damage of RNase A in aqueous solution and lipid vesicles. Biopolymers, 2006, 81, 39-50.	1.2	26
150	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
151	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
152	Bis(trifluoromethyl)aminyl and bis(trifluoromethyl) nitroxide. The Journal of Physical Chemistry, 1980, 84, 3597-3599.	2.9	25
153	Trans Fatty Acids in Membranes: The Free Radical Path. Molecular Biotechnology, 2007, 37, 19-25.	1.3	25
154	Lipid metabolism and diet: Possible mechanisms of slow aging. International Journal of Biochemistry and Cell Biology, 2008, 40, 324-333.	1.2	25
155	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
156	Sulfur-33 NMR of cyclic sulfides, sulfoxides, and sulfones. Journal of Organic Chemistry, 1987, 52, 3857-3860.	1.7	24
157	Rate constants for the reaction of acyl radicals with Bu3SnH and (TMS)3SiH. Tetrahedron Letters, 1995, 36, 1299-1302.	0.7	24
158	Ring Opening of the Cyclobutane in a Thymine Dimer Radical Anion. Chemistry - A European Journal, 2007, 13, 8979-8984.	1.7	24
159	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
160	Radical transformations of nucleosides with (Me3Si)3SiH. Generation of a C-1' radical through 1,2-migration of an acyloxy group. Tetrahedron Letters, 1995, 36, 6781-6784.	0.7	23
161	Radical Cyclization Approach to Cyclonucleosides. European Journal of Organic Chemistry, 2005, 2005, 4640-4648.	1.2	23
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