

Steven E Bottle

List of Publications by Year in descending order

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148
papers

5,788
citations

66336

42
h-index

95259

68
g-index

157
all docs

157
docs citations

157
times ranked

7242
citing authors

#	ARTICLE	IF	CITATIONS
1	Lifetime prediction of biodegradable polymers. <i>Progress in Polymer Science</i> , 2017, 71, 144-189.	24.7	416
2	Selective Oxidation of 5-Hydroxymethylfurfural to 2,5-Furandicarboxylic Acid Using O_2 and a Photocatalyst of Co-thioporphyrzine Bonded to $g-C_3N_4$. <i>Journal of the American Chemical Society</i> , 2017, 139, 14775-14782.	13.7	317
3	Developments of Diketopyrrolopyrrole-Based Organic Semiconductors for a Wide Range of Applications in Electronics. <i>Advanced Materials</i> , 2020, 32, e1903882.	21.0	212
4	One-Electron Oxidation and Reduction Potentials of Nitroxide Antioxidants: A Theoretical Study. <i>Journal of Physical Chemistry A</i> , 2007, 111, 13595-13605.	2.5	141
5	Experimental and Theoretical Studies of the Redox Potentials of Cyclic Nitroxides. <i>Journal of Organic Chemistry</i> , 2008, 73, 6763-6771.	3.2	130
6	Synergic bactericidal effects of reduced graphene oxide and silver nanoparticles against Gram-positive and Gram-negative bacteria. <i>Scientific Reports</i> , 2017, 7, 1591.	3.3	130
7	Oxidative Stress Is Responsible for Deficient Survival and Dendritogenesis in Purkinje Neurons from Ataxia-Telangiectasia Mutated Mutant Mice. <i>Journal of Neuroscience</i> , 2003, 23, 11453-11460.	3.6	125
8	Two-Photon Fluorescence Microscopy Imaging of Cellular Oxidative Stress Using Profluorescent Nitroxides. <i>Journal of the American Chemical Society</i> , 2012, 134, 4721-4730.	13.7	124
9	Catalytic Transformation of Aliphatic Alcohols to Corresponding Esters in O_2 under Neutral Conditions Using Visible-Light Irradiation. <i>Journal of the American Chemical Society</i> , 2015, 137, 1956-1966.	13.7	116
10	Profluorescent Nitroxides as Sensitive Probes of Oxidative Change and Free Radical Reactions. <i>Australian Journal of Chemistry</i> , 2011, 64, 373.	0.9	99
11	Stable Copper Nanoparticle Photocatalysts for Selective Epoxidation of Alkenes with Visible Light. <i>ACS Catalysis</i> , 2017, 7, 4975-4985.	11.2	96
12	Understanding the activity and selectivity of single atom catalysts for hydrogen and oxygen evolution via an initial study. <i>Catalysis Science and Technology</i> , 2018, 8, 996-1001.	4.1	94
13	Computer simulation of the corrosion inhibition of copper in acidic solution by alkyl esters of 5-carboxybenzotriazole. <i>Corrosion Science</i> , 2003, 45, 81-96.	6.6	85
14	Two-dimensional GeP_3 as a high capacity electrode material for Li-ion batteries. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 25886-25890.	2.8	81
15	Highly efficient and selective photocatalytic hydroamination of alkynes by supported gold nanoparticles using visible light at ambient temperature. <i>Chemical Communications</i> , 2013, 49, 2676.	4.1	76
16	To Sonicate or Not to Sonicate PM Filters: Reactive Oxygen Species Generation Upon Ultrasonic Irradiation. <i>Aerosol Science and Technology</i> , 2014, 48, 1276-1284.	3.1	76
17	Selective Oxidation of Aliphatic Alcohols using Molecular Oxygen at Ambient Temperature: Mixed-Valence Vanadium Oxide Photocatalysts. <i>ACS Catalysis</i> , 2016, 6, 3580-3588.	11.2	76
18	Predicting Two-Dimensional C_3B/C_3N van der Waals Heterojunction with Strong Interlayer Electron Coupling and Enhanced Photocurrent. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 858-862.	4.6	74

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19	Particle Emissions, Volatility, and Toxicity from an Ethanol Fumigated Compression Ignition Engine. <i>Environmental Science & Technology</i> , 2010, 44, 229-235.	10.0	72
20	Inhibition of myeloperoxidase-mediated hypochlorous acid production by nitroxides. <i>Biochemical Journal</i> , 2009, 421, 79-86.	3.7	71
21	New Spin on Organic Radical Batteries—An Isoindoline Nitroxide-Based High-Voltage Cathode Material. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 7982-7988.	8.0	71
22	Dramatic extension of tumor latency and correction of neurobehavioral phenotype in Atm-mutant mice with a nitroxide antioxidant. <i>Free Radical Biology and Medicine</i> , 2006, 41, 992-1000.	2.9	67
23	Impact of molecular size on electron spin relaxation rates of nitroxyl radicals in glassy solvents between 100 and 300 K. <i>Molecular Physics</i> , 2007, 105, 2137-2151.	1.7	67
24	Computational Design of Cyclic Nitroxides as Efficient Redox Mediators for Dye-Sensitized Solar Cells. <i>Chemistry - A European Journal</i> , 2012, 18, 7582-7593.	3.3	67
25	A novel profluorescent nitroxide as a sensitive probe for the cellular redox environment. <i>Free Radical Biology and Medicine</i> , 2010, 49, 67-76.	2.9	65
26	Nitric Oxide and Nitroxides Can Act as Efficient Scavengers of Protein-Derived Free Radicals. <i>Chemical Research in Toxicology</i> , 2008, 21, 2111-2119.	3.3	63
27	Oxidative Potential of Logwood and Pellet Burning Particles Assessed by a Novel Profluorescent Nitroxide Probe. <i>Environmental Science & Technology</i> , 2010, 44, 6601-6607.	10.0	63
28	Driving selective aerobic oxidation of alkyl aromatics by sunlight on alcohol grafted metal hydroxides. <i>Chemical Science</i> , 2012, 3, 2138.	7.4	61
29	Inhibitive action of the octyl esters of 4- and 5-carboxybenzotriazole for copper corrosion in sulphate solutions. <i>Corrosion Science</i> , 2000, 42, 259-274.	6.6	60
30	The application of a novel profluorescent nitroxide to monitor thermo-oxidative degradation of polypropylene. <i>Polymer Degradation and Stability</i> , 2005, 89, 427-435.	5.8	60
31	Direct Photocatalytic Conversion of Aldehydes to Esters Using Supported Gold Nanoparticles under Visible Light Irradiation at Room Temperature. <i>Journal of Physical Chemistry C</i> , 2014, 118, 19062-19069.	3.1	59
32	Electron spin—lattice relaxation of nitroxyl radicals in temperature ranges that span glassy solutions to low-viscosity liquids. <i>Journal of Magnetic Resonance</i> , 2008, 191, 66-77.	2.1	58
33	Physicochemical Characterization of Particulate Emissions from a Compression Ignition Engine: The Influence of Biodiesel Feedstock. <i>Environmental Science & Technology</i> , 2011, 45, 10337-10343.	10.0	54
34	Influence of Oxygenated Organic Aerosols (OOAs) on the Oxidative Potential of Diesel and Biodiesel Particulate Matter. <i>Environmental Science & Technology</i> , 2013, 47, 7655-7662.	10.0	54
35	Review-evaluating the molecular assays for measuring the oxidative potential of particulate matter. <i>Chemical Industry and Chemical Engineering Quarterly</i> , 2015, 21, 201-210.	0.7	52
36	The Synthesis and Physical Properties of Novel Polyaromatic Profluorescent Isoindoline Nitroxide Probes. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 5391-5400.	2.4	50

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37	Synthesis of profluorescent isoindoline nitroxides via palladium-catalysed Heck alkenylation. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 2593.	2.8	48
38	The palladium-catalysed copper-free Sonogashira coupling of isoindoline nitroxides: a convenient route to robust profluorescent carbon ¹³ C carbon frameworks. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 3135.	2.8	48
39	Improved synthesis of α -cord factor TM analogues. <i>Journal of the Chemical Society Chemical Communications</i> , 1984, .	2.0	45
40	Generation of Profluorescent Isoindoline Nitroxides Using Click Chemistry. <i>Journal of Organic Chemistry</i> , 2011, 76, 4964-4972.	3.2	45
41	Tuning the Charge Carrier Polarity of Organic Transistors by Varying the Electron Affinity of the Flanked Units in Diketopyrrolopyrrole ² -Based Copolymers. <i>Advanced Functional Materials</i> , 2020, 30, 1907452.	14.9	45
42	Novel polymer synthesis methodologies using combinations of thermally- and photochemically-induced nitroxide mediated polymerization. <i>Polymer Chemistry</i> , 2015, 6, 754-763.	3.9	44
43	A Novel Profluorescent Dinitroxide for Imaging Polypropylene Degradation. <i>Macromolecules</i> , 2008, 41, 1577-1580.	4.8	43
44	The challenges in lifetime prediction of oxodegradable polyolefin and biodegradable polymer films. <i>Polymer Degradation and Stability</i> , 2017, 145, 102-119.	5.8	43
45	Synergistic Use of Pyridine and Selenophene in a Diketopyrrolopyrrole ² -Based Conjugated Polymer Enhances the Electron Mobility in Organic Transistors. <i>Advanced Functional Materials</i> , 2020, 30, 2000489.	14.9	43
46	The First Example of an Azaphenalene Profluorescent Nitroxide. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 4638-4641.	2.4	41
47	Biological Relevance of Free Radicals and Nitroxides. <i>Cell Biochemistry and Biophysics</i> , 2017, 75, 227-240.	1.8	41
48	A novel protecting group methodology for syntheses using nitroxides. <i>Chemical Communications</i> , 2013, 49, 10382-10384.	4.1	40
49	Predicting a graphene-like WB4 nanosheet with a double Dirac cone, an ultra-high Fermi velocity and significant gap opening by spin ² -orbit coupling. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 5449-5453.	2.8	40
50	Selective deoxygenation of carbonyl groups at room temperature and atmospheric hydrogen pressure over nitrogen-doped carbon supported Pd catalyst. <i>Journal of Catalysis</i> , 2018, 368, 207-216.	6.2	40
51	Brominated isoindolines: precursors to functionalised nitroxides. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1999, , 65-72.	0.9	39
52	Highly efficient, stoichiometric radical exchange reactions using isoindoline profluorescent nitroxides. <i>Polymer Chemistry</i> , 2010, 1, 1009.	3.9	39
53	Enhancing the Electrochemical Doping Efficiency in Diketopyrrolopyrrole ² -Based Polymer for Organic Electrochemical Transistors. <i>Advanced Electronic Materials</i> , 2021, 7, .	5.1	39
54	Design of Redox/Radical Sensing Molecules via Nitrile Imine-Mediated Tetrazole-ene Cycloaddition (NITEC). <i>Journal of Organic Chemistry</i> , 2015, 80, 8009-8017.	3.2	35

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55	Studies on alkyl esters of carboxybenzotriazole as inhibitors for copper corrosion. <i>Corrosion Science</i> , 2002, 44, 1257-1276.	6.6	34
56	Inhibition of myeloperoxidase- and neutrophil-mediated oxidant production by tetraethyl and tetramethyl nitroxides. <i>Free Radical Biology and Medicine</i> , 2014, 70, 96-105.	2.9	34
57	Inhibitive effect of 4- and 5-carboxybenzotriazole on copper corrosion in acidic sulphate and hydrogen sulphide solutions. <i>Corrosion Science</i> , 1999, 41, 685-697.	6.6	33
58	Synthesis and properties of novel porphyrin spin probes containing isoindoline nitroxides. <i>Free Radical Biology and Medicine</i> , 2007, 43, 111-116.	2.9	33
59	Profluorescent nitroxides: Sensors and stabilizers of radical-mediated oxidative damage. <i>Polymer Degradation and Stability</i> , 2008, 93, 1613-1618.	5.8	33
60	The Use of a Nitroxide Probe in DMSO to Capture Free Radicals in Particulate Pollution. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 5908-5912.	2.4	30
61	The synthesis of water soluble isoindoline nitroxides and a pronitroxide hydroxylamine hydrochloride UV-VIS probe for free radicals. <i>Chemical Communications</i> , 1998, , 1907-1908.	4.1	29
62	Naphthalene flanked diketopyrrolopyrrole based organic semiconductors for high performance organic field effect transistors. <i>New Journal of Chemistry</i> , 2018, 42, 12374-12385.	2.8	29
63	EPR Characterization of the Quintet State for a Hydrocarbon Tetraradical with Two Localized 1,3-Cyclopentanediy1 Biradicals Linked by meta-Phenylene as a Ferromagnetic Coupler. <i>Journal of the American Chemical Society</i> , 1996, 118, 3974-3975.	13.7	27
64	Synthesis, single crystal X-ray structure and W-band (95 GHz) EPR spectroscopy of a new anionic isoindoline aminoxyl: synthesis and characterisation of some derivatives. <i>Perkin Transactions II RSC</i> , 2000, , 1285-1291.	1.1	27
65	Synthesis and EPR spin trapping properties of a new isoindole-based nitron: 1,1,3-trimethylisoindole N-oxide (TMINO). <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 2581.	2.8	27
66	Edaravone containing isoindoline nitroxides for the potential treatment of cardiovascular ischaemia. <i>MedChemComm</i> , 2011, 2, 436.	3.4	27
67	TMIO-Pyrimid Hybrids are Profluorescent, Site-Directed Spin Labels for Nucleic Acids. <i>Organic Letters</i> , 2014, 16, 5528-5531.	4.6	27
68	Influence of Fuel Molecular Structure on the Volatility and Oxidative Potential of Biodiesel Particulate Matter. <i>Environmental Science & Technology</i> , 2014, 48, 12577-12585.	10.0	27
69	Application of the new EPR spin trap 1,1,3-trimethylisoindole N-oxide (TMINO) in trapping HO [•] and related biologically important radicals. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 2585.	2.8	26
70	Inhibition of copper corrosion by coatings of alkyl esters of carboxybenzotriazole. <i>Corrosion Science</i> , 2002, 44, 2583-2596.	6.6	25
71	Physicochemical Characterization of Particulate Emissions from a Compression Ignition Engine Employing Two Injection Technologies and Three Fuels. <i>Environmental Science & Technology</i> , 2011, 45, 5498-5505.	10.0	25
72	The evaluation of new and isotopically labeled isoindoline nitroxides and an azaphenylene nitroxide for EPR oximetry. <i>Journal of Magnetic Resonance</i> , 2011, 211, 170-177.	2.1	25

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73	Real-time quantification of oxidative stress and the protective effect of nitroxide antioxidants. <i>Neurochemistry International</i> , 2016, 92, 1-12.	3.8	25
74	Quantification of Particle-Bound Organic Radicals in Secondary Organic Aerosol. <i>Environmental Science & Technology</i> , 2019, 53, 6729-6737.	10.0	25
75	The mechanism of initiation in the free radical polymerization of N-vinylcarbazole and N-vinylpyrrolidone. <i>European Polymer Journal</i> , 1989, 25, 671-676.	5.4	24
76	Electrospray ionization mass spectrometry of stable nitroxide free radicals and two isoindoline nitroxide dimers. , 2000, 35, 607-611.		23
77	The Synthesis of Novel Isoindoline Nitroxides Bearing Water-solubilising Functionality. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 1902-1915.	2.4	23
78	Hydrogen Abstraction From Unactivated Hydrocarbons Using a Photochemically Excited Isoindoline Nitroxide. <i>Chemistry Letters</i> , 1997, 26, 857-858.	1.3	21
79	Preparation, properties, and mathematical modeling of microparticle drug delivery systems based on biodegradable amphiphilic triblock copolymers. <i>Journal of Applied Polymer Science</i> , 2004, 92, 3869-3873.	2.6	21
80	Diketopyrrolopyrrole-Based Dual-Acceptor Copolymers to Realize Tunable Charge Carrier Polarity of Organic Field-Effect Transistors and High-Performance Nonvolatile Ambipolar Flash Memories. <i>ACS Applied Electronic Materials</i> , 2020, 2, 1609-1618.	4.3	21
81	Photolysis of dioxiranes in the presence of a nitroxide radical scavenger: the intermediacy of radical anion and diyl species in the production and trapping of methyl and trifluoromethyl radicals. <i>Journal of the Chemical Society Chemical Communications</i> , 1991, , 771.	2.0	20
82	Dual acting antioxidant A1 adenosine receptor agonists. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 5437-5441.	2.2	20
83	Spin-coated carbon. <i>Chemical Science</i> , 2013, 4, 3411.	7.4	20
84	Polyaromatic Profluorescent Nitroxide Probes with Enhanced Photostability. <i>Chemistry - A European Journal</i> , 2015, 21, 18258-18268.	3.3	20
85	Triethylene Glycol Substituted Diketopyrrolopyrrole- and Isoindigo- Dye Based Donor-Acceptor Copolymers for Organic Light-Emitting Electrochemical Cells and Transistors. <i>Advanced Electronic Materials</i> , 2020, 6, 1901414.	5.1	20
86	The chelotropic trapping of nitric oxide by the bis-ketene 1,2-dicarbonylcyclohexa-3,5-diene and the diene 3,4-diphenyl-2,5-dimethyl-2,4-hexadiene. <i>Tetrahedron Letters</i> , 1996, 37, 2113-2116.	1.4	19
87	In search of a new class of stable nitroxide: synthesis and reactivity of a peri-substituted N,N-bissulfonylhydroxylamine. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 2336.	2.8	19
88	Investigation of polypropylene degradation during melt processing using a profluorescent nitroxide probe: A laboratory-scale study. <i>Polymer Degradation and Stability</i> , 2011, 96, 455-461.	5.8	19
89	The effect of common agrichemicals on the environmental stability of polyethylene films. <i>Polymer Degradation and Stability</i> , 2015, 120, 53-60.	5.8	19
90	Diketopyrrolopyrrole based organic semiconductors with different numbers of thiophene units: symmetry tuning effect on electronic devices. <i>New Journal of Chemistry</i> , 2018, 42, 4017-4028.	2.8	19

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91	Profluorescent nitroxides: Thermo-oxidation sensors for stabilised polypropylene. <i>Polymer Degradation and Stability</i> , 2010, 95, 2101-2109.	5.8	18
92	Dynamic, in vivo, real-time detection of retinal oxidative status in a model of elevated intraocular pressure using a novel, reversibly responsive, profluorescent nitroxide probe. <i>Experimental Eye Research</i> , 2014, 129, 48-56.	2.6	18
93	Short Alkyl Chain Engineering Modulation on Naphthalene Flanked Diketopyrrolopyrrole toward High-Performance Single Crystal Transistors and Organic Thin Film Displays. <i>Advanced Electronic Materials</i> , 2021, 7, 2000804.	5.1	18
94	ESR measurements of the partitioning of some new spin probes in octanol-water. <i>Magnetic Resonance in Chemistry</i> , 1999, 37, 730-734.	1.9	17
95	Synthesis and Pharmacological Evaluation of Dual Acting Antioxidant Adenosine Receptor Agonists. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 3521-3534.	6.4	17
96	Modular design of profluorescent polymer sensors. <i>Polymer Chemistry</i> , 2015, 6, 2962-2969.	3.9	17
97	BODIPY-Based Profluorescent Probes Containing Meso- and β -Substituted Isoindoline Nitroxides. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 476-483.	2.4	17
98	Measurements of Oxidative Potential of Particulate Matter at Belgrade Tunnel; Comparison of BPEAnit, DTT and DCFH Assays. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 4906.	2.6	17
99	Wavelength-Specific Product Desorption as a Key to Raising Nitrile Yield of Primary Alcohol Ammoxidation over Illuminated Pd Nanoparticles. <i>ACS Catalysis</i> , 2022, 12, 2280-2289.	11.2	17
100	Light-active azaphenylene alkoxyamines: fast and efficient mediators of a photo-induced persistent radical effect. <i>RSC Advances</i> , 2016, 6, 80328-80333.	3.6	16
101	Profluorescent nitroxide sensors for monitoring photo-induced degradation in polymer films. <i>Sensors and Actuators B: Chemical</i> , 2017, 241, 199-209.	7.8	16
102	New isoindoline aminoxyl based polyradicals for spin probes and molecular magnetic materials. <i>Perkin Transactions II RSC</i> , 2002, , 533-537.	1.1	15
103	The impact of carboxy nitroxide antioxidants on irradiated ataxia telangiectasia cells. <i>Free Radical Biology and Medicine</i> , 2004, 37, 946-952.	2.9	14
104	Approaches to the Synthesis of a Water-Soluble Carboxy Nitroxide. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 853-857.	2.4	14
105	Development of a Redox-Responsive Polymeric Profluorescent Probe. <i>Macromolecular Chemistry and Physics</i> , 2016, 217, 2330-2340.	2.2	14
106	Pro-fluorescent mitochondria-targeted real-time responsive redox probes synthesised from carboxy isoindoline nitroxides: Sensitive probes of mitochondrial redox status in cells. <i>Free Radical Biology and Medicine</i> , 2018, 128, 97-110.	2.9	14
107	Diatomic sulfur detection by butadiene and norbornene: a cautionary note. <i>Tetrahedron Letters</i> , 1997, 38, 2303-2306.	1.4	13
108	The excited multiplet states of 5,10,15-tri- <i>n</i> -pentyl-20-(1,3,3,3-tetramethylisoindolin-2-yl)oxyl-5-yl)porphyrinato zinc(II). <i>Chemical Physics Letters</i> , 2003, 370, 94-98.	1.3	13

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109	Evaluation of Dendritic Gadolinium Complexes as MRI Contrast Agents. <i>Journal of Bioactive and Compatible Polymers</i> , 2004, 19, 453-465.	2.1	13
110	Porphyrim containing isoindoline nitroxides as potential fluorescence sensors of free radicals. <i>Journal of Porphyrins and Phthalocyanines</i> , 2011, 15, 230-239.	0.8	12
111	Sensitive luminescence techniques to study the early stages of polymer oxidation. <i>Polymer Degradation and Stability</i> , 2013, 98, 2436-2444.	5.8	12
112	Trapping of cyclopentadienyl and trimethylenemethane triplet diradicals with the nitroxide 1,1,3,3-tetramethyl-1,3-dihydroisoindolin-2-yl-oxyl. <i>Journal of Organic Chemistry</i> , 1992, 57, 982-988.	3.2	11
113	Novel paramagnetic AT1 receptor antagonists. <i>Chemical Communications</i> , 2011, 47, 12083.	4.1	11
114	Design, synthesis and biological evaluation of hybrid nitroxide-based non-steroidal anti-inflammatory drugs. <i>European Journal of Medicinal Chemistry</i> , 2018, 147, 34-47.	5.5	11
115	An instrument for the rapid quantification of PM-bound ROS: the Particle Into Nitroxide Quencher (PINQ). <i>Atmospheric Measurement Techniques</i> , 2019, 12, 2387-2401.	3.1	11
116	Cycloaddition of nitrosobenzene to a trimethylenemethane diradical: The first case of isoxazoline formation from in situ generated nitroxides through spin trapping. <i>Tetrahedron Letters</i> , 1991, 32, 4283-4286.	1.4	10
117	Electrospray mass spectrometry of stable iminyl nitroxide and nitronyl nitroxide free radicals. <i>Journal of Mass Spectrometry</i> , 2002, 37, 897-902.	1.6	10
118	Synthesis and evaluation of new N6-substituted adenosine-5'-N-methylcarboxamides as A3 adenosine receptor agonists. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 3078-3087.	3.0	10
119	Polycarbonate microspheres containing mitomycin C and magnetic powders as potential hepatic carcinoma therapeutics. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 84, 550-555.	5.0	10
120	Surface Plasmon Enhanced Transmetalation between Copper and Palladium Nanoparticle Catalyst. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	10
121	Prognostic Tools for Lifetime Prediction of Aircraft Coatings: Paint Degradation. <i>Advanced Materials Research</i> , 0, 138, 137-149.	0.3	9
122	Factors influencing the photocatalytic hydroamination of alkynes with anilines catalyzed by supported gold nanoparticles under visible light irradiation. <i>RSC Advances</i> , 2016, 6, 31717-31725.	3.6	9
123	First principles study of rutile magnesium bismuth oxide: Ideal bandgap for photovoltaics, strain-mediated band-inversion and semiconductor-to-semimetal transition. <i>Computational Materials Science</i> , 2018, 149, 158-161.	3.0	9
124	Naphthalene flanked diketopyrrolopyrrole: A new DPP family member and its comparative optoelectronic properties with thiophene- and furan- flanked DPP counterparts. <i>Organic Electronics</i> , 2019, 74, 290-298.	2.6	9
125	Profluorescent nitroxide sensors for monitoring the natural aging of polymer materials. <i>Polymer Degradation and Stability</i> , 2020, 174, 109091.	5.8	9
126	Versatile nature of anthanthrone based polymers as active multifunctional semiconductors for various organic electronic devices. <i>Materials Advances</i> , 2020, 1, 3428-3438.	5.4	9

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127	Benzophenone-sensitized photolysis of the azoalkane diazabicyclo(2.2.1)hept-2-ene (DBH) : Trapping of the 1,3-cyclopentadiyl triplet diradical by a nitroxide.. Tetrahedron Letters, 1991, 32, 1405-1408.	1.4	8
128	Free-radical gases on two-dimensional transition-metal disulfides (XS_2 , X = Mo/W): robust half-metallicity for efficient nitrogen oxide sensors. Beilstein Journal of Nanotechnology, 2018, 9, 1641-1646.	2.8	8
129	Relationship between Atmospheric PM-Bound Reactive Oxygen Species, Their Half-Lives, and Regulated Pollutants: Investigation and Preliminary Model. Environmental Science & Technology, 2020, 54, 4995-5002.	10.0	8
130	Photo-induced proton coupled electron transfer from a benzophenone "antenna"™ to an isoindoline nitroxide. RSC Advances, 2015, 5, 95598-95603.	3.6	7
131	Nitroxides affect neurological deficits and lesion size induced by a rat model of traumatic brain injury. Nitric Oxide - Biology and Chemistry, 2020, 97, 57-65.	2.7	5
132	A Profluorescent Azaphenylene Nitroxide for Nitroxide-Mediated Polymerization. Australian Journal of Chemistry, 2011, 64, 426.	0.9	4
133	Improving the Yield of the Exhaustive Grignard Alkylation of N-Benzylphthalimide. Australian Journal of Chemistry, 2013, 66, 619.	0.9	4
134	Synthesis and Properties of Fullerene C60 and C70 Spin Probes Containing Isoindoline Nitroxides. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 734-741.	2.1	4
135	Experimental evidence for long-range stabilizing and destabilizing interactions between charge and radical sites in distonic ions. International Journal of Mass Spectrometry, 2019, 435, 195-203.	1.5	4
136	Structural Geometry Variation of 1,4-Naphthalene-Based Co-Polymers to Tune the Device Performance of PVK-Host-Based OLEDs. Polymers, 2021, 13, 2914.	4.5	4
137	Novel sulfurated five-, seven- and nine-membered heterocycles: unusual products derived from potential bishionitroxide precursors. Journal of the Chemical Society Chemical Communications, 1995, , 1449.	2.0	3
138	Reaction of Substituted Anthracenes and a Butadiene with Nitric Oxide: Product Formation Determined by EPR Spectroscopy. Free Radical Research, 1997, 27, 377-388.	3.3	3
139	Monitoring Free Radical Reactions in Degrading Polymers with a Profluorescent Nitroxide. ACS Symposium Series, 2007, , 59-69.	0.5	3
140	Synthesis of 1,1,3,3-Tetraalkylisoindolines Using a Microwave-Assisted Grignard Reaction. Australian Journal of Chemistry, 2008, 61, 168.	0.9	3
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