

Steven E Bottle

List of Publications by Citations

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145
papers

4,583
citations

39
h-index

60
g-index

157
ext. papers

5,118
ext. citations

5.5
avg, IF

5.72
L-index

#	Paper	IF	Citations
145	Lifetime prediction of biodegradable polymers. <i>Progress in Polymer Science</i> , 2017 , 71, 144-189	29.6	274
144	Selective Oxidation of 5-Hydroxymethylfurfural to 2,5-Furandicarboxylic Acid Using O and a Photocatalyst of Co-thioporphyrazine Bonded to g-CN. <i>Journal of the American Chemical Society</i> , 2017 , 139, 14775-14782	16.4	226
143	Developments of Diketopyrrolopyrrole-Dye-Based Organic Semiconductors for a Wide Range of Applications in Electronics. <i>Advanced Materials</i> , 2020 , 32, e1903882	24	124
142	One-electron oxidation and reduction potentials of nitroxide antioxidants: a theoretical study. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 13595-605	2.8	121
141	Experimental and theoretical studies of the redox potentials of cyclic nitroxides. <i>Journal of Organic Chemistry</i> , 2008 , 73, 6763-71	4.2	116
140	Two-photon fluorescence microscopy imaging of cellular oxidative stress using profluorescent nitroxides. <i>Journal of the American Chemical Society</i> , 2012 , 134, 4721-30	16.4	114
139	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, 11453-60	6.6	108
138	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, 1956-66	16.4	94
137	Synergic bactericidal effects of reduced graphene oxide and silver nanoparticles against Gram-positive and Gram-negative bacteria. <i>Scientific Reports</i> , 2017 , 7, 1591	4.9	90
136	Profluorescent Nitroxides as Sensitive Probes of Oxidative Change and Free Radical Reactions. <i>Australian Journal of Chemistry</i> , 2011 , 64, 373	1.2	88
135	Highly efficient and selective photocatalytic hydroamination of alkynes by supported gold nanoparticles using visible light at ambient temperature. <i>Chemical Communications</i> , 2013 , 49, 2676-8	5.8	71
134	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	6.8	68
133	Understanding the activity and selectivity of single atom catalysts for hydrogen and oxygen evolution via ab initial study. <i>Catalysis Science and Technology</i> , 2018 , 8, 996-1001	5.5	67
132	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	7.8	63
131	Stable Copper Nanoparticle Photocatalysts for Selective Epoxidation of Alkenes with Visible Light. <i>ACS Catalysis</i> , 2017 , 7, 4975-4985	13.1	62
130	Computational design of cyclic nitroxides as efficient redox mediators for dye-sensitized solar cells. <i>Chemistry - A European Journal</i> , 2012 , 18, 7582-93	4.8	62
129	Inhibition of myeloperoxidase-mediated hypochlorous acid production by nitroxides. <i>Biochemical Journal</i> , 2009 , 421, 79-86	3.8	61

128	Particle emissions, volatility, and toxicity from an ethanol fumigated compression ignition engine. <i>Environmental Science & Technology</i> , 2010 , 44, 229-35	10.3	60
127	Driving selective aerobic oxidation of alkyl aromatics by sunlight on alcohol grafted metal hydroxides. <i>Chemical Science</i> , 2012 , 3, 2138	9.4	58
126	Two-dimensional GeP as a high capacity electrode material for Li-ion batteries. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 25886-25890	3.6	57
125	Oxidative potential of logwood and pellet burning particles assessed by a novel profluorescent nitroxide probe. <i>Environmental Science & Technology</i> , 2010 , 44, 6601-7	10.3	57
124	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	57
123	Selective Oxidation of Aliphatic Alcohols using Molecular Oxygen at Ambient Temperature: Mixed-Valence Vanadium Oxide Photocatalysts. <i>ACS Catalysis</i> , 2016 , 6, 3580-3588	13.1	57
122	Nitric oxide and nitroxides can act as efficient scavengers of protein-derived free radicals. <i>Chemical Research in Toxicology</i> , 2008 , 21, 2111-9	4	56
121	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	6.8	56
120	Predicting Two-Dimensional CB/CN van der Waals p-n Heterojunction with Strong Interlayer Electron Coupling and Enhanced Photocurrent. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 858-862	6.4	55
119	A novel profluorescent nitroxide as a sensitive probe for the cellular redox environment. <i>Free Radical Biology and Medicine</i> , 2010 , 49, 67-76	7.8	55
118	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	3.4	54
117	The application of a novel profluorescent nitroxide to monitor thermo-oxidative degradation of polypropylene. <i>Polymer Degradation and Stability</i> , 2005 , 89, 427-435	4.7	53
116	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	3.8	51
115	Influence of oxygenated organic aerosols (OOAs) on the oxidative potential of diesel and biodiesel particulate matter. <i>Environmental Science & Technology</i> , 2013 , 47, 7655-62	10.3	51
114	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	3	49
113	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	47
112	Physicochemical characterization of particulate emissions from a compression ignition engine: the influence of biodiesel feedstock. <i>Environmental Science & Technology</i> , 2011 , 45, 10337-43	10.3	47
111	The Synthesis and Physical Properties of Novel Polyaromatic Profluorescent Isoindoline Nitroxide Probes. <i>European Journal of Organic Chemistry</i> , 2008 , 2008, 5391-5400	3.2	47

110	Synthesis of profluorescent isoindoline nitroxides via palladium-catalysed Heck alkenylation. <i>Organic and Biomolecular Chemistry</i> , 2005 , 3, 2593-8	3.9	46
109	The palladium-catalysed copper-free Sonogashira coupling of isoindoline nitroxides: a convenient route to robust profluorescent carbon-carbon frameworks. <i>Organic and Biomolecular Chemistry</i> , 2008 , 6, 3135-43	3.9	43
108	New Spin on Organic Radical Batteries-An Isoindoline Nitroxide-Based High-Voltage Cathode Material. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 7982-7988	9.5	42
107	The First Example of an Azaphenalene Profluorescent Nitroxide. <i>European Journal of Organic Chemistry</i> , 2007 , 2007, 4638-4641	3.2	40
106	Improved synthesis of Ford Factor analogues. <i>Journal of the Chemical Society Chemical Communications</i> , 1984 , 385-385		39
105	A Novel Profluorescent Dinitroxide for Imaging Polypropylene Degradation. <i>Macromolecules</i> , 2008 , 41, 1577-1580	5.5	38
104	Novel polymer synthesis methodologies using combinations of thermally- and photochemically-induced nitroxide mediated polymerization. <i>Polymer Chemistry</i> , 2015 , 6, 754-763	4.9	37
103	Generation of profluorescent isoindoline nitroxides using click chemistry. <i>Journal of Organic Chemistry</i> , 2011 , 76, 4964-72	4.2	37
102	Brominated isoindolines: precursors to functionalised nitroxides. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1999 , 65-72		36
101	Highly efficient, stoichiometric radical exchange reactions using isoindoline profluorescent nitroxides. <i>Polymer Chemistry</i> , 2010 , 1, 1009	4.9	34
100	Design of Redox/Radical Sensing Molecules via Nitrile Imine-Mediated Tetrazole-ene Cycloaddition (NITEC). <i>Journal of Organic Chemistry</i> , 2015 , 80, 8009-17	4.2	33
99	A novel protecting group methodology for syntheses using nitroxides. <i>Chemical Communications</i> , 2013 , 49, 10382-4	5.8	32
98	Biological Relevance of Free Radicals and Nitroxides. <i>Cell Biochemistry and Biophysics</i> , 2017 , 75, 227-240	3.2	32
97	Synthesis and properties of novel porphyrin spin probes containing isoindoline nitroxides. <i>Free Radical Biology and Medicine</i> , 2007 , 43, 111-6	7.8	31
96	Inhibition of myeloperoxidase- and neutrophil-mediated oxidant production by tetraethyl and tetramethyl nitroxides. <i>Free Radical Biology and Medicine</i> , 2014 , 70, 96-105	7.8	30
95	The challenges in lifetime prediction of oxodegradable polyolefin and biodegradable polymer films. <i>Polymer Degradation and Stability</i> , 2017 , 145, 102-119	4.7	29
94	Profluorescent nitroxides: Sensors and stabilizers of radical-mediated oxidative damage. <i>Polymer Degradation and Stability</i> , 2008 , 93, 1613-1618	4.7	29
93	Studies on alkyl esters of carboxybenzotriazole as inhibitors for copper corrosion. <i>Corrosion Science</i> , 2002 , 44, 1257-1276	6.8	29

92	Predicting a graphene-like WB nanosheet with a double Dirac cone, an ultra-high Fermi velocity and significant gap opening by spin-orbit coupling. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 5449-5453	3.6	28
91	The synthesis of water soluble isoindoline nitroxides and a pronitroxide hydroxylamine hydrochloride UVVIS probe for free radicals. <i>Chemical Communications</i> , 1998 , 1907-1908	5.8	28
90	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	3.2	27
89	Tuning the Charge Carrier Polarity of Organic Transistors by Varying the Electron Affinity of the Flanked Units in Diketopyrrolopyrrole-Based Copolymers. <i>Advanced Functional Materials</i> , 2020 , 30, 1907452	15.6	27
88	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	7.3	27
87	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, 2581-4	3.9	26
86	EPR Characterization of the Quintet State for a Hydrocarbon Tetraradical with Two Localized 1,3-Cyclopentanediyyl Biradicals Linked by meta-Phenylene as a Ferromagnetic Coupler. <i>Journal of the American Chemical Society</i> , 1996 , 118, 3974-3975	16.4	26
85	Eadaravone containing isoindoline nitroxides for the potential treatment of cardiovascular ischaemia. <i>MedChemComm</i> , 2011 , 2, 436	5	25
84	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		25
83	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	6.8	25
82	TMIO-Pyrimid hybrids are profluorescent, site-directed spin labels for nucleic acids. <i>Organic Letters</i> , 2014 , 16, 5528-31	6.2	24
81	Influence of fuel molecular structure on the volatility and oxidative potential of biodiesel particulate matter. <i>Environmental Science & Technology</i> , 2014 , 48, 12577-85	10.3	24
80	Physicochemical characterization of particulate emissions from a compression ignition engine employing two injection technologies and three fuels. <i>Environmental Science & Technology</i> , 2011 , 45, 5498-505	10.3	24
79	The evaluation of new and isotopically labeled isoindoline nitroxides and an azaphenalene nitroxide for EPR oximetry. <i>Journal of Magnetic Resonance</i> , 2011 , 211, 170-7	3	23
78	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, 2585-9	3.9	22
77	The Synthesis of Novel Isoindoline Nitroxides Bearing Water-Solubilising Functionality. <i>European Journal of Organic Chemistry</i> , 2009 , 2009, 1902-1915	3.2	21
76	Electrospray ionization mass spectrometry of stable nitroxide free radicals and two isoindoline nitroxide dimers. <i>Journal of Mass Spectrometry</i> , 2000 , 35, 607-11	2.2	21
75	Synergistic Use of Pyridine and Selenophene in a Diketopyrrolopyrrole-Based Conjugated Polymer Enhances the Electron Mobility in Organic Transistors. <i>Advanced Functional Materials</i> , 2020 , 30, 2000489	15.6	20

74	Naphthalene flanked diketopyrrolopyrrole based organic semiconductors for high performance organic field effect transistors. <i>New Journal of Chemistry</i> , 2018 , 42, 12374-12385	3.6	20
73	Inhibition of copper corrosion by coatings of alkyl esters of carboxybenzotriazole. <i>Corrosion Science</i> , 2002 , 44, 2583-2596	6.8	20
72	The mechanism of initiation in the free radical polymerization of N-vinylcarbazole and N-vinylpyrrolidone. <i>European Polymer Journal</i> , 1989 , 25, 671-676	5.2	20
71	Real-time quantification of oxidative stress and the protective effect of nitroxide antioxidants. <i>Neurochemistry International</i> , 2016 , 92, 1-12	4.4	19
70	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	2.9	19
69	Enhancing the Electrochemical Doping Efficiency in Diketopyrrolopyrrole-Based Polymer for Organic Electrochemical Transistors. <i>Advanced Electronic Materials</i> , 2021 , 7, 2000701	6.4	19
68	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	3.6	18
67	Hydrogen Abstraction From Unactivated Hydrocarbons Using a Photochemically Excited Isoindoline Nitroxide. <i>Chemistry Letters</i> , 1997 , 26, 857-858	1.7	18
66	Dual acting antioxidant A1 adenosine receptor agonists. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007 , 17, 5437-41	2.9	18
65	Modular design of profluorescent polymer sensors. <i>Polymer Chemistry</i> , 2015 , 6, 2962-2969	4.9	17
64	Synthesis and pharmacological evaluation of dual acting antioxidant A(2A) adenosine receptor agonists. <i>Journal of Medicinal Chemistry</i> , 2012 , 55, 3521-34	8.3	17
63	The cheletropic 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	2	17
62	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	3.7	16
61	Spin-coated carbon. <i>Chemical Science</i> , 2013 , 4, 3411	9.4	16
60	BODIPY-Based Profluorescent Probes Containing Meso- and Peri-Substituted Isoindoline Nitroxides. <i>European Journal of Organic Chemistry</i> , 2017 , 2017, 476-483	3.2	16
59	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, 2336-44	3.9	16
58	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		16
57	Polyaromatic Profluorescent Nitroxide Probes with Enhanced Photostability. <i>Chemistry - A European Journal</i> , 2015 , 21, 18258-68	4.8	15

56	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	4.7	15
55	ESR measurements of the partitioning of some new spin probes in n-octanol/water. <i>Magnetic Resonance in Chemistry</i> , 1999 , 37, 730-734	2.1	15
54	Quantification of Particle-Bound Organic Radicals in Secondary Organic Aerosol. <i>Environmental Science & Technology</i> , 2019 , 53, 6729-6737	10.3	14
53	New isoindoline aminoxyl based polyradicals for spin probes and molecular magnetic materials. <i>Perkin Transactions II RSC</i> , 2002 , 533-537		14
52	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,	4.6	14
51	Approaches to the Synthesis of a Water-Soluble Carboxy Nitroxide. <i>European Journal of Organic Chemistry</i> , 2013 , 2013, 853-857	3.2	13
50	The excited multiplet states of 5,10,15-tri-n-pentyl-20-(1?,1?,3?,3?-tetramethylisoindolin-2?-yl)oxyl-5?-yl)porphyrinato zinc(II). <i>Chemical Physics Letters</i> , 2003 , 370, 94-98	2.5	13
49	Development of a Redox-Responsive Polymeric Profluorescent Probe. <i>Macromolecular Chemistry and Physics</i> , 2016 , 217, 2330-2340	2.6	13
48	Light-active azaphenylene alkoxyamines: fast and efficient mediators of a photo-induced persistent radical effect. <i>RSC Advances</i> , 2016 , 6, 80328-80333	3.7	12
47	Profluorescent nitroxides: Thermo-oxidation sensors for stabilised polypropylene. <i>Polymer Degradation and Stability</i> , 2010 , 95, 2101-2109	4.7	12
46	Diatomic sulfur detection by butadiene and norbornene: a cautionary note. <i>Tetrahedron Letters</i> , 1997 , 38, 2303-2306	2	12
45	Evaluation of Dendritic Gadolinium Complexes as MRI Contrast Agents. <i>Journal of Bioactive and Compatible Polymers</i> , 2004 , 19, 453-465	2	12
44	The impact of carboxy nitroxide antioxidants on irradiated ataxia telangiectasia cells. <i>Free Radical Biology and Medicine</i> , 2004 , 37, 946-52	7.8	12
43	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	6.4	11
42	Sensitive luminescence techniques to study the early stages of polymer oxidation. <i>Polymer Degradation and Stability</i> , 2013 , 98, 2436-2444	4.7	11
41	Profluorescent nitroxide sensors for monitoring photo-induced degradation in polymer films. <i>Sensors and Actuators B: Chemical</i> , 2017 , 241, 199-209	8.5	11
40	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	6.4	11
39	Novel paramagnetic AT1 receptor antagonists. <i>Chemical Communications</i> , 2011 , 47, 12083-5	5.8	10

38	Synthesis and evaluation of new N6-substituted adenosine-5'-N-methylcarboxamides as A3 adenosine receptor agonists. <i>Bioorganic and Medicinal Chemistry</i> , 2010 , 18, 3078-87	3.4	10
37	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	9
36	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	7.8	9
35	Porphyrin containing isoindoline nitroxides as potential fluorescence sensors of free radicals. <i>Journal of Porphyrins and Phthalocyanines</i> , 2011 , 15, 230-239	1.8	9
34	Trapping of cyclopentadienyl and trimethylenemethane triplet diradicals with the nitroxide 1,1,3,3-tetramethyl-1,3-dihydroisoindolin-2-yloxy. <i>Journal of Organic Chemistry</i> , 1992 , 57, 982-988	4.2	9
33	The effect of common agrichemicals on the environmental stability of polyethylene films. <i>Polymer Degradation and Stability</i> , 2015 , 120, 53-60	4.7	8
32	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	6.8	8
31	First principles study of trirutile 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	3.2	8
30	Polycarbonate microspheres containing mitomycin C and magnetic powders as potential hepatic carcinoma therapeutics. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011 , 84, 550-5	6	8
29	Electrospray mass spectrometry of stable iminyl nitroxide and nitronyl nitroxide free radicals. <i>Journal of Mass Spectrometry</i> , 2002 , 37, 897-902	2.2	8
28	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	4	7
27	Photo-induced proton coupled electron transfer from a benzophenone antenna to an isoindoline nitroxide. <i>RSC Advances</i> , 2015 , 5, 95598-95603	3.7	7
26	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	3.7	7
25	Prognostic Tools for Lifetime Prediction of Aircraft Coatings: Paint Degradation. <i>Advanced Materials Research</i> , 2010 , 138, 137-149	0.5	7
24	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	2	7
23	Profluorescent nitroxide sensors for monitoring the natural aging of polymer materials. <i>Polymer Degradation and Stability</i> , 2020 , 174, 109091	4.7	6
22	Free-radical gases on two-dimensional transition-metal disulfides (XS, X = Mo/W): robust half-metallicity for efficient nitrogen oxide sensors. <i>Beilstein Journal of Nanotechnology</i> , 2018 , 9, 1641-1646	2	6
21	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	3.5	5

20	Relationship between Atmospheric PM-Bound Reactive Oxygen Species, Their Half-Lives, and Regulated Pollutants: Investigation and Preliminary Model. <i>Environmental Science & Technology</i> , 2020 , 54, 4995-5002	10.3	4
19	Synthesis and Properties of Fullerene C60 and C70 Spin Probes Containing Isoindoline Nitroxides. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2015 , 23, 734-741	1.8	4
18	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.. <i>Tetrahedron Letters</i> , 1991 , 32, 1405-1408	2.08	4
17	Improving the Yield of the Exhaustive Grignard Alkylation of N-Benzylphthalimide. <i>Australian Journal of Chemistry</i> , 2013 , 66, 619	1.2	3
16	A Profluorescent Azaphenylene Nitroxide for Nitroxide-Mediated Polymerization. <i>Australian Journal of Chemistry</i> , 2011 , 64, 426	1.2	3
15	Monitoring Free Radical Reactions in Degrading Polymers with a Profluorescent Nitroxide. <i>ACS Symposium Series</i> , 2007 , 59-69	0.4	3
14	Wavelength-Specific Product Desorption as a Key to Raising Nitrile Yield of Primary Alcohol Amoxidation over Illuminated Pd Nanoparticles. <i>ACS Catalysis</i> , 2280-2289	13.1	3
13	Versatile nature of anthanthrone based polymers as active multifunctional semiconductors for various organic electronic devices. <i>Materials Advances</i> , 2020 , 1, 3428-3438	3.3	3
12	Self-supporting covalent organic framework membranes synthesized through two different processes: solvothermal annealing and solvent vapor annealing. <i>Nanotechnology</i> , 2021 , 32, 075604	3.4	3
11	Nitroxides affect neurological deficits and lesion size induced by a rat model of traumatic brain injury. <i>Nitric Oxide - Biology and Chemistry</i> , 2020 , 97, 57-65	5	2
10	Application of a Fluorescent Probe for the Online Measurement of PM-Bound Reactive Oxygen Species in Chamber and Ambient Studies. <i>Sensors</i> , 2019 , 19,	3.8	2
9	Reaction of substituted anthracenes and a butadiene with nitric oxide: product formation determined by EPR spectroscopy. <i>Free Radical Research</i> , 1997 , 27, 377-88	4	2
8	Synthesis of 1,1,3,3-Tetraalkylisoindolines Using a Microwave-Assisted Grignard Reaction. <i>Australian Journal of Chemistry</i> , 2008 , 61, 168	1.2	2
7	Novel sulfurated five-, seven- and nine-membered heterocycles: unusual products derived from potential bithionitroxide precursors. <i>Journal of the Chemical Society Chemical Communications</i> , 1995 , 1449		2
6	An instrument for the rapid quantification of PM oxidative potential: the Particle Into Nitroxide Quencher (PINQ)		2
5	Experimental evidence for long-range stabilizing and destabilizing interactions between charge and radical sites in distonic ions. <i>International Journal of Mass Spectrometry</i> , 2019 , 435, 195-203	1.9	2
4	Assessment of Tumor Prevention in Type 1 Neurofibromatosis using a Nitroxide Compound. <i>Free Radicals and Antioxidants</i> , 2011 , 1, 13-18	1.7	1
3	Structural Geometry Variation of 1,4-Naphthalene-Based Co-Polymers to Tune the Device Performance of PVK-Host-Based OLEDs. <i>Polymers</i> , 2021 , 13,	4.5	1

2 5-[(E)-2-(4-Methoxycarbonylphenyl)ethenyl]-1,1,3,3-tetramethylisoindolin-2-yl oxyl. *Acta Crystallographica Section E: Structure Reports Online*, **2006**, 62, o3535-o3536

1 Reducing the Hydrogen Atom Abstraction Efficiencies of Benzophenone-Based Photosensitive Alkoxyamines. *ACS Symposium Series*, **2018**, 105-133

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