

# Sylvain Marque

## List of Publications by Citations

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187  
papers

4,402  
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34  
h-index

57  
g-index

212  
ext. papers

4,778  
ext. citations

4.7  
avg, IF

5.43  
L-index

#	Paper	IF	Citations
187	Factors Influencing the C-O Bond Homolysis of Trialkylhydroxylamines. <i>Macromolecules</i> , <b>2000</b> , 33, 4403-4410	5.5	234
186	Living Character of Polymer Chains Prepared via Nitroxide-Mediated Controlled Free-Radical Polymerization of Methyl Methacrylate in the Presence of a Small Amount of Styrene at Low Temperature. <i>Macromolecules</i> , <b>2006</b> , 39, 8274-8282	5.5	204
185	First Effective Nitroxide-Mediated Polymerization of Methyl Methacrylate. <i>Macromolecules</i> , <b>2007</b> , 40, 3108-3114	5.5	150
184	Nitroxide-Mediated Polymerization: The Pivotal Role of the $k_d$ Value of the Initiating Alkoxyamine and the Importance of the Experimental Conditions. <i>Macromolecules</i> , <b>2006</b> , 39, 5238-5250	5.5	149
183	Kinetic subtleties of nitroxide mediated polymerization. <i>Chemical Society Reviews</i> , <b>2011</b> , 40, 2189-98	58.5	145
182	Factors influencing the C-O bond homolysis of alkoxyamines: effects of H-bonding and polar substituents. <i>Journal of Organic Chemistry</i> , <b>2001</b> , 66, 1146-56	4.2	144
181	Polar, Steric, and Stabilization Effects in Alkoxyamines C-O Bond Homolysis: A Multiparameter Analysis. <i>Macromolecules</i> , <b>2005</b> , 38, 2638-2650	5.5	135
180	Nitroxide-Mediated Polymerization of Methyl Methacrylate Using an SG1-Based Alkoxyamine: How the Penultimate Effect Could Lead to Uncontrolled and Unliving Polymerization. <i>Macromolecular Chemistry and Physics</i> , <b>2006</b> , 207, 1278-1288	2.6	102
179	Reactivity of Phosphorus Centered Radicals. <i>Topics in Current Chemistry</i> , <b>2005</b> , 43-76		88
178	Radical reaction kinetics during homolysis of N-alkoxyamines: verification of the persistent radical effect. <i>Journal of the Chemical Society Perkin Transactions II</i> , <b>1998</b> , 1553-1560		84
177	Scavenging of organic C-centered radicals by nitroxides. <i>Chemical Reviews</i> , <b>2014</b> , 114, 5011-56	68.1	81
176	Influence of the nitroxide structure on the homolysis rate constant of alkoxyamines: a Taft-Ingold analysis. <i>Journal of Organic Chemistry</i> , <b>2003</b> , 68, 7582-90	4.2	78
175	Design and use of phosphorus nitroxides and alkoxyamines in controlled/living/free radical polymerizations. <i>Macromolecular Symposia</i> , <b>2002</b> , 182, 225-247	0.8	61
174	Linear-Free Energy Relationships for Modeling Structure-Reactivity Trends in Controlled Radical Polymerization. <i>Macromolecules</i> , <b>2011</b> , 44, 7568-7583	5.5	59
173	Intermolecular radical addition of alkoxyamines onto olefins: An easy access to advanced macromolecular architectures precursors. <i>Polymer</i> , <b>2007</b> , 48, 5219-5225	3.9	54
172	Steric and Polar Effects of the Cyclic Nitroxyl Fragment on the C-O Bond Homolysis Rate Constant. <i>Macromolecules</i> , <b>2005</b> , 38, 9974-9984	5.5	54
171	Alkoxyamine-mediated radical synthesis of indolinones and indolines. <i>Organic Letters</i> , <b>2003</b> , 5, 4943-5	6.2	52

170	Alkoxyamine C <sub>3</sub> N Bond Homolysis: Stereoelectronic Effects. <i>European Journal of Organic Chemistry</i> , <b>2006</b> , 2006, 1755-1768	3.2	49
169	First proton triggered C-ON bond homolysis in alkoxyamines. <i>Chemical Communications</i> , <b>2011</b> , 47, 4291-3.8	3.8	47
168	Factors influencing C-ON bond homolysis in alkoxyamines: unexpected behavior of SG1 (N-(2-methyl-2-propyl)-N-(1-diethylphosphono-2,2-dimethylpropyl)-N-oxyl)-based alkoxyamines. <i>Journal of Organic Chemistry</i> , <b>2004</b> , 69, 4925-30	4.2	47
167	Lack of Chain Length Effect on the Rate of Homolysis of Polystyryl-SG1 Alkoxyamines. <i>Macromolecules</i> , <b>2002</b> , 35, 3790-3791	5.5	46
166	Hydrogen-transfer reaction in nitroxide mediated polymerization of methyl methacrylate: 2,2-Diphenyl-3-phenylimino-2,3-dihydroindol-1-yloxy nitroxide (DPAIO) vs. TEMPO. <i>Journal of Polymer Science Part A</i> , <b>2008</b> , 46, 6828-6842	2.5	44
165	Chemically triggered C-ON bond homolysis of alkoxyamines. Quaternization of the alkyl fragment. <i>Organic Letters</i> , <b>2012</b> , 14, 358-61	6.2	43
164	Linear Free-Energy Relationships for the Alkyl Radical Affinities of Nitroxides: A Theoretical Study. <i>Macromolecules</i> , <b>2010</b> , 43, 3728-3743	5.5	43
163	Spin-trapping evidence for the formation of alkyl, alkoxy, and alkylperoxy radicals in the reactions of dialkylzincs with oxygen. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 1586-95	4.8	40
162	Synthesis of highly labile SG1-based alkoxyamines under photochemical conditions. <i>Journal of Organic Chemistry</i> , <b>2008</b> , 73, 4728-31	4.2	40
161	Alkoxyamines of Stable Aromatic Nitroxides: N?O vs. C?O Bond Homolysis. <i>Helvetica Chimica Acta</i> , <b>2006</b> , 89, 2312-2326	2	39
160	Unexpectedly High Levels of Organic Compounds Released by Indoor Photocatalytic Paints. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 11328-11337	10.3	39
159	Labile alkoxyamines: past, present, and future. <i>Chemical Communications</i> , <b>2014</b> , 50, 7921-8	5.8	37
158	Kinetic study of H-atom transfer in imidazoline-, imidazolidine-, and pyrrolidine-based alkoxyamines: Consequences for nitroxide-mediated polymerization. <i>Journal of Polymer Science Part A</i> , <b>2009</b> , 47, 6579-6595	2.5	37
157	Polypropylene degradation: Theoretical and experimental investigations. <i>Polymer Degradation and Stability</i> , <b>2010</b> , 95, 782-791	4.7	37
156	Steric Effects of Ring Substituents on the Decay and Reformation Kinetics of Piperazinone-Based Alkoxyamines. <i>Macromolecules</i> , <b>2003</b> , 36, 3440-3442	5.5	37
155	Development and Application of Spin Traps, Spin Probes, and Spin Labels. <i>Methods in Enzymology</i> , <b>2015</b> , 563, 365-96	1.7	35
154	Role of the Adducted Cation in the Release of Nitroxide End Group of Controlled Polymer in Mass Spectrometry. <i>Macromolecules</i> , <b>2009</b> , 42, 1849-1859	5.5	35
153	Synthesis of a series of SG1 2-[N-tert-butyl-N-(1-diethoxyphosphoryl)-2,2-dimethylpropyl]aminoxyl] based alkoxyamines, SG1-CH(Me)CO <sub>2</sub> R, and measurement of the homolysis rate constants of the C?ON bond. <i>Journal of Polymer Science Part A</i> , <b>2004</b> , 42, 3504-3515	2.5	34

152	Chemically triggered C-ON bond homolysis in alkoxyamines. Part 2: DFT investigation and application of the pH effect on NMP. <i>Macromolecular Rapid Communications</i> , <b>2012</b> , 33, 152-7	4.8	33
151	Nazarov reagents and their use in organic synthesis. <i>Tetrahedron</i> , <b>2013</b> , 69, 8325-8348	2.4	33
150	Enlarging the panoply of site-directed spin labeling electron paramagnetic resonance (SDSL-EPR): sensitive and selective spin-labeling of tyrosine using an isoindoline-based nitroxide. <i>Bioconjugate Chemistry</i> , <b>2013</b> , 24, 1110-7	6.3	33
149	Tyrosine-targeted spin labeling and EPR spectroscopy: an alternative strategy for studying structural transitions in proteins. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 9108-11	16.4	33
148	Effect of the Penultimate Unit on the C?ON Bond Homolysis in SG1-Based Alkoxyamines. <i>Macromolecular Chemistry and Physics</i> , <b>2008</b> , 209, 220-224	2.6	33
147	Nitroxide bound beta-cyclodextrin: is there an inclusion complex?. <i>Journal of Organic Chemistry</i> , <b>2006</b> , 71, 7657-67	4.2	33
146	Alpha-phenyl-N-tert-butyl-nitron-type derivatives bound to beta-cyclodextrins: syntheses, thermokinetics of self-inclusion and application to superoxide spin-trapping. <i>Chemistry - A European Journal</i> , <b>2007</b> , 13, 9344-54	4.8	32
145	Long-Range Polar Effect on the C-ON Bond Homolysis in (tert-Butyl[1-(diethylphosphonyl)-2,2-dimethylpropyl]aminoxyl) SG1-Based Alkoxyamines. <i>Collection of Czechoslovak Chemical Communications</i> , <b>2004</b> , 69, 2223-2238		32
144	Reduced sample recovery in liquid chromatography at critical adsorption point of high molar mass polystyrene. <i>European Polymer Journal</i> , <b>2008</b> , 44, 514-522	5.2	31
143	Laser flash photolysis and CIDNP studies of steric effects on coupling rate constants of imidazolidine nitroxide with carbon-centered radicals, methyl isobutyrate-2-yl and tert-butyl propionate-2-yl. <i>Journal of Organic Chemistry</i> , <b>2006</b> , 71, 6044-52	4.2	31
142	Influence of Solvent and Polymer Chain Length on the Hemolysis of SG1-Based Alkoxyamines. <i>ACS Symposium Series</i> , <b>2003</b> , 412-423	0.4	31
141	Unprecedented plasmon-induced nitroxide-mediated polymerization (PI-NMP): a method for preparation of functional surfaces. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 12414-12419	13	30
140	Alkoxyamines: a new family of pro-drugs against cancer. Concept for theranostics. <i>Organic and Biomolecular Chemistry</i> , <b>2014</b> , 12, 719-23	3.9	30
139	Can the First Addition of Alkyl Radicals Play a Role in the Fate of NMP?. <i>Macromolecular Chemistry and Physics</i> , <b>2008</b> , 209, 1345-1357	2.6	30
138	Polystyrene-block-poly(ethylene oxide) from nitroxide mediated polymerization: detection of minor species by coupled chromatographic techniques. <i>Polymer</i> , <b>2006</b> , 47, 98-106	3.9	30
137	Switched external magnetic field CIDNP studies of coupling reaction of carbon-centered radicals with TEMPO. <i>Physical Chemistry Chemical Physics</i> , <b>2004</b> , 6, 2254	3.6	28
136	New concepts in molecular imaging: non-invasive MRI spotting of proteolysis using an Overhauser effect switch. <i>PLoS ONE</i> , <b>2009</b> , 4, e5244	3.7	27
135	Absolute Rate Constants for the Addition of the 1-(tert-Butoxy)carbonyl ethyl Radical to Alkenes in Solution. <i>Helvetica Chimica Acta</i> , <b>2001</b> , 84, 2290-2300	2	26

134	Alkoxyamines: toward a new family of theranostic agents against cancer. <i>Molecular Pharmaceutics</i> , <b>2014</b> , 11, 2412-9	5.6	25
133	In vivo high-resolution 3D overhauser-enhanced MRI in mice at 0.2 T. <i>Contrast Media and Molecular Imaging</i> , <b>2012</b> , 7, 45-50	3.2	25
132	Alkoxyamine re-formation reaction. Effects of the nitroxide fragment: a multiparameter analysis. <i>Journal of Organic Chemistry</i> , <b>2012</b> , 77, 4996-5005	4.2	25
131	Diastereomeric excess upon cleavage and reformation of diastereomeric alkoxyamines. <i>Organic and Biomolecular Chemistry</i> , <b>2004</b> , 2, 709-15	3.9	25
130	In vivo Overhauser-enhanced MRI of proteolytic activity. <i>Contrast Media and Molecular Imaging</i> , <b>2014</b> , 9, 363-71	3.2	24
129	PPN-type nitrones: preparation and use of a new series of $\alpha$ -phosphorylated spin-trapping agents. <i>Journal of the Chemical Society Perkin Transactions II</i> , <b>1997</b> , 2513-2518		24
128	Intramolecular Hydrogen Bonding: The Case of $\alpha$ -Phosphorylated Nitroxide (= Aminoxy) Radical. <i>Helvetica Chimica Acta</i> , <b>2006</b> , 89, 2119-2132	2	24
127	Enzymatically Shifting Nitroxides for EPR Spectroscopy and Overhauser-Enhanced Magnetic Resonance Imaging. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 13379-84	16.4	23
126	Dynamics of the intrinsically disordered protein CP12 in its association with GAPDH in the green alga <i>Chlamydomonas reinhardtii</i> : a fuzzy complex. <i>Molecular BioSystems</i> , <b>2013</b> , 9, 2869-76		23
125	Re-formation Reaction of Cyclic Nitroxide-Based Alkoxyamines: Steric and Polar/Stabilization Effects. <i>Helvetica Chimica Acta</i> , <b>2006</b> , 89, 2330-2340	2	23
124	Tetrathiosphosphoric acid tri(1-phenylethyl) ester and 1-phenylethyl-diphenylphosphinodithioate as controlled radical polymerization agents. <i>Tetrahedron Letters</i> , <b>2003</b> , 44, 1227-1229	2	23
123	SG1 based alkoxyamines as radical initiators for the synthesis of lactones and lactames. <i>Tetrahedron</i> , <b>2005</b> , 61, 8752-8761	2.4	23
122	H-transfer reaction during decomposition of N-(2-methylpropyl)-N-(1-diethylphosphono-2,2-dimethylpropyl)-N-oxyl (SG1)-based alkoxyamines. <i>Journal of Polymer Science Part A</i> , <b>2013</b> , 51, 1323-1336	2.5	22
121	Chemically triggered C-ON bond homolysis of alkoxyamines. 5. Cybotactic effect. <i>Journal of Organic Chemistry</i> , <b>2012</b> , 77, 9634-40	4.2	22
120	Chemically triggered C-ON bond homolysis of alkoxyamines. Part 4: solvent effect. <i>Polymer Chemistry</i> , <b>2012</b> , 3, 2901	4.9	22
119	Ozone, chemical reactivity and biological functions. <i>Tetrahedron</i> , <b>2018</b> , 74, 6221-6261	2.4	22
118	Imidazoline and imidazolidine nitroxides as controlling agents in nitroxide-mediated pseudoliving radical polymerization. <i>Russian Chemical Reviews</i> , <b>2018</b> , 87, 328-349	6.8	21
117	Aminomethylation of Michael acceptors: complementary radical and polar approaches mediated by dialkylzincs. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 3241-7	4.8	21

116	Orthogonal Tyrosine and Cysteine Site-Directed Spin Labeling for Dipolar Pulse EPR Spectroscopy on Proteins. <i>Journal of Physical Chemistry Letters</i> , <b>2017</b> , 8, 4852-4857	6.4	21
115	FTIR study of ageing of irradiated biopharmaceutical EVA based film. <i>Polymer Degradation and Stability</i> , <b>2016</b> , 129, 19-25	4.7	20
114	2,5-Dihydro-1H-imidazole-Based Nitroxides as Prospective Mediators in Living Radical Polymerization. <i>Helvetica Chimica Acta</i> , <b>2006</b> , 89, 2341-2353	2	20
113	One year monitoring by FTIR of irradiated multilayer film PE/EVOH/PE. <i>Radiation Physics and Chemistry</i> , <b>2016</b> , 125, 115-121	2.5	20
112	C–ON bond homolysis of alkoxyamines triggered by paramagnetic copper(II) salts. <i>Inorganic Chemistry Frontiers</i> , <b>2016</b> , 3, 1464-1472	6.8	19
111	Degradation of irradiated polyethylene-ethylene vinyl alcohol-polyethylene multilayer films: An ESR study. <i>Polymer Degradation and Stability</i> , <b>2015</b> , 122, 169-179	4.7	18
110	XPS analysis of PE and EVA samples irradiated at different doses. <i>Applied Surface Science</i> , <b>2018</b> , 427, 966-972	6.7	18
109	EPR investigation of zinc/iodine exchange between propargyl iodides and diethylzinc: detection of propargyl radical by spin trapping. <i>Journal of Organic Chemistry</i> , <b>2012</b> , 77, 9081-6	4.2	18
108	Chemically triggered C–ON bond homolysis in alkoxyamines. 6. Effect of the counteranion. <i>Journal of Organic Chemistry</i> , <b>2013</b> , 78, 7754-7	4.2	16
107	Effect of the carboxylate salt on the C–ON bond homolysis of SG1-based alkoxyamines. <i>ChemPhysChem</i> , <b>2008</b> , 9, 272-81	3.2	16
106	Leveled Steric Effect in Alkoxyamines of SG1-Type. <i>Macromolecular Chemistry and Physics</i> , <b>2004</b> , 205, 973-978	2.6	16
105	Zinc(II) Hexafluoroacetylacetonate Complexes of Alkoxyamines: NMR and Kinetic Investigations. First Step for a New Way to Prepare Hybrid Materials.. <i>ChemistrySelect</i> , <b>2017</b> , 2, 3584-3593	1.8	15
104	How intramolecular hydrogen bonding (IHB) controls the C–ON bond homolysis in alkoxyamines. <i>Organic and Biomolecular Chemistry</i> , <b>2017</b> , 15, 8425-8439	3.9	15
103	Long-range polar and steric effects in propionate-SG1-type alkoxyamines (SG1-CHMeCOOX): a multiparameter analysis. <i>Journal of Physical Organic Chemistry</i> , <b>2006</b> , 19, 269-275	2.1	15
102	Smart Control of Nitroxide-Mediated Polymerization Initiators' Reactivity by pH, Complexation with Metals, and Chemical Transformations. <i>Materials</i> , <b>2019</b> , 12,	3.5	14
101	Coordination-Initiated Nitroxide-Mediated Polymerization (CI-NMP). <i>Australian Journal of Chemistry</i> , <b>2018</b> , 71, 334	1.2	14
100	A Step Towards High-Molecular-Weight Living/Controlled Polystyrene Using SG1-Mediated Polymerization. <i>Macromolecular Reaction Engineering</i> , <b>2010</b> , 4, 403-414	1.5	14
99	On the structure–control relationship of amide-functionalized SG1-based alkoxyamines for nitroxide-mediated polymerization and conjugation. <i>Polymer Chemistry</i> , <b>2015</b> , 6, 5693-5704	4.9	13

98	New Variants of Nitroxide Mediated Polymerization. <i>Polymers</i> , <b>2020</b> , 12,	4.5	13
97	A DFT study of the hydrogen atom abstraction from 2,4,6-trimethylheptane: A model of peroxidic degradation for syndio polypropylene. <i>Computational and Theoretical Chemistry</i> , <b>2007</b> , 811, 255-266		13
96	Trityl-based alkoxyamines as NMP controllers and spin-labels. <i>Polymer Chemistry</i> , <b>2016</b> , 7, 6490-6499	4.9	13
95	Arylsulfanyl radical lifetime in nanostructured silica: dramatic effect of the organic monolayer structure. <i>Chemical Science</i> , <b>2014</b> , 5, 4716-4723	9.4	12
94	Chemically triggered C-ON bond homolysis of alkoxyamines. 8. Quaternization and steric effects. <i>Journal of Organic Chemistry</i> , <b>2013</b> , 78, 9914-20	4.2	12
93	C-ON bond homolysis of alkoxyamines: when too high polarity is detrimental. <i>Organic and Biomolecular Chemistry</i> , <b>2017</b> , 15, 6167-6176	3.9	12
92	Crowded Phosphonylated Alkoxyamines with Low Dissociation Temperatures: A Milestone in Nitroxide-Mediated Polymerization. <i>ACS Symposium Series</i> , <b>2006</b> , 326-341	0.4	12
91	Selective and efficient fluorination of chlorodiazines under solvent-free phase transfer catalysis. <i>Journal of Fluorine Chemistry</i> , <b>2004</b> , 125, 1847-1851	2.1	12
90	C-ON bond homolysis in alkoxyamines. Part 12: the effect of the para-substituent in the 1-phenylethyl fragment. <i>Organic and Biomolecular Chemistry</i> , <b>2016</b> , 14, 3574-83	3.9	12
89	Diversification of EPR signatures in Site Directed Spin Labeling using a phosphorylated nitroxide. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 4202-9	3.6	11
88	Calculated linear free energy relationships in the course of the Suzuki-Miyaura coupling reaction. <i>Tetrahedron</i> , <b>2014</b> , 70, 2272-2279	2.4	11
87	Diastereomeric Effect on the Homolysis of the C-ON Bond in Alkoxyamines: A DFT Investigation of 1,3-Diphenylbutyl-TEMPO. <i>Polymers</i> , <b>2010</b> , 2, 353-363	4.5	10
86	Role of the alkyl fragment of initiating alkoxyamine in nitroxide mediated polymerization of styrene. <i>Polymer Science - Series B</i> , <b>2010</b> , 52, 327-338	0.8	10
85	Electron paramagnetic resonance spin trapping of glutathyl radicals by PBN in the presence of cyclodextrins and by PBN attached to beta-cyclodextrin. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 13157-62	3.4	10
84	Synthesis, X-ray Geometry, and Anodic Behavior of Tris[2-(hydroxymethyl)phenyl]phosphane. <i>The Journal of Physical Chemistry</i> , <b>1996</b> , 100, 4323-4330		10
83	Solvent Effect in Phosphorylated Nitroxides: Model Nitroxides. <i>Applied Magnetic Resonance</i> , <b>2015</b> , 46, 1333-1342	0.8	9
82	C-ON Bond Homolysis of Alkoxyamines, Part 11: Activation of the Nitroxyl Fragment. <i>Journal of Organic Chemistry</i> , <b>2016</b> , 81, 1981-8	4.2	9
81	Chemically triggered C-ON bond homolysis in alkoxyamines: regioselectivity and chemoselectivity. <i>Organic and Biomolecular Chemistry</i> , <b>2013</b> , 11, 7738-50	3.9	9

80	Hyperfine coupling constants of $\beta$ -phosphorylated nitroxides: a tool to probe the cybotactic effect by electron paramagnetic resonance. <i>ChemPhysChem</i> , <b>2012</b> , 13, 3542-8	3.2	9
79	Design of Wall-Functionalized Hybrid Silicas Containing Diazene Radical Precursors. EPR Investigation of Their Photolysis and Thermolysis. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 5434-5439	3.8	8
78	Hydrogen-Bonding Effects for the C <sub>1</sub> N Bond Homolysis and Reformation Reactions of Alkoxyamines. <i>Macromolecular Chemistry and Physics</i> , <b>2015</b> , 216, 475-488	2.6	8
77	Structural equilibrium in new nitroxide-capped cyclodextrins: CW and pulse EPR study. <i>Journal of Physical Chemistry B</i> , <b>2013</b> , 117, 8223-31	3.4	8
76	Tyrosine-Targeted Spin Labeling and EPR Spectroscopy: An Alternative Strategy for Studying Structural Transitions in Proteins. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 9274-9277	3.6	8
75	Chemically Induced Dynamic Nuclear Polarization during the Thermolysis of Alkoxyamines: A New Approach to Detect the Occurrence of H-Transfer Reactions. <i>Polymers</i> , <b>2010</b> , 2, 364-377	4.5	8
74	EPR, NMR, and Thermodynamic Evidences for Forced Nuclear Spin-Electron Spin Interactions in the Case of 1-Phenyl-2-Methylpropyl-1,1-Dimethyl-2-Nitroxide (TIPNO) Attached to Permethylated $\beta$ -Cyclodextrin. <i>Applied Magnetic Resonance</i> , <b>2009</b> , 36, 181-194	0.8	8
73	Is Experimental Evidence Sufficient Enough To Account for the Stabilization Effect of Bisnitroxide on the Fate of NMP Experiments?. <i>Macromolecules</i> , <b>2009</b> , 42, 1404-1406	5.5	8
72	Impact of $\gamma$ -radiation, ageing and their interactions on multilayer films followed by AComDim. <i>Analytica Chimica Acta</i> , <b>2017</b> , 981, 11-23	6.6	7
71	Selective On/Off-Nitroxides as Radical Probes to Investigate Non-radical Enzymatic Activity by Electron Paramagnetic Resonance. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 7615-7619	4.8	7
70	Enthalpy of Combustion on n-Alkanes. Quantum Chemical Calculations up to n-C <sub>60</sub> H <sub>122</sub> and Power Law Distributions. <i>ChemistrySelect</i> , <b>2018</b> , 3, 9113-9120	1.8	7
69	An elastase activity reporter for Electronic Paramagnetic Resonance (EPR) and Overhauser-enhanced Magnetic Resonance Imaging (OMRI) as a line-shifting nitroxide. <i>Free Radical Biology and Medicine</i> , <b>2018</b> , 126, 101-112	7.8	7
68	Direct functionalization of labile alkoxyamines. <i>Tetrahedron Letters</i> , <b>2012</b> , 53, 4543-4547	2	7
67	Time-Resolved and Pulse EPR Study of Triplet States of Alkylketones in $\beta$ -Cyclodextrin. <i>Applied Magnetic Resonance</i> , <b>2012</b> , 42, 29-40	0.8	7
66	Intramolecular proton transfer (IPT) in alkoxyamine: a theoretical investigation. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 13862-71	3.6	7
65	Radical polymerization of radical-labeled monomers: The triarylmethyl-based radical monomer as an example. <i>Journal of Polymer Science Part A</i> , <b>2018</b> , 56, 2656-2664	2.5	7
64	Monitoring of the discoloration on $\gamma$ -irradiated PE and EVA films to evaluate antioxidant stability. <i>Journal of Applied Polymer Science</i> , <b>2018</b> , 135, 46114	2.9	6
63	Generation of O <sub>2</sub> -Permeation Barrier during the Gamma-Irradiation of Polyethylene/Ethylene-Vinyl Alcohol/Polyethylene Multilayer Film. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 14115-14123	3.9	6



62	Enzymatically Shifting Nitroxides for EPR Spectroscopy and Overhauser-Enhanced Magnetic Resonance Imaging. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 13577-13582	3.6	6
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60	Chapter 2: Kinetic Aspects of Nitroxide Mediated Polymerization. <i>RSC Polymer Chemistry Series</i> , <b>2015</b> , 45-113	1.3	6
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