

Sylvain Marque

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

187
papers

4,402
citations

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	One-year ageing FTIR monitoring of PE/EVOH/PE film after gamma or electron beam irradiation. <i>Polymer Degradation and Stability</i> , 2021 , 109790	4.7	2
186	Mapping the scientific research on the ionizing radiation impacts on polymers (1975-2019). <i>E-Polymers</i> , 2021 , 21, 770-778	2.7	
185	Homolysis/mesolysis of alkoxyamines activated by chemical oxidation and photochemical-triggered radical reactions at room temperature. <i>Organic Chemistry Frontiers</i> , 2021 , 8, 6561-6576	5.2	1
184	Enzymatic activity monitoring through dynamic nuclear polarization in Earth magnetic field. <i>Journal of Magnetic Resonance</i> , 2021 , 333, 107095	3	0
183	Influence of Gamma Irradiation on Electric Cables Models: Study of Additive Effects by Mid-Infrared Spectroscopy. <i>Polymers</i> , 2021 , 13,	4.5	2
182	Magnetic Resonance Imaging of Protease-Mediated Lung Tissue Inflammation and Injury. <i>ACS Omega</i> , 2021 , 6, 15012-15016	3.9	1
181	Establishing plasmon contribution to chemical reactions: alkoxyamines as a thermal probe. <i>Chemical Science</i> , 2021 , 12, 4154-4161	9.4	3
180	Effects of X-ray, electron beam and gamma irradiation on PE/EVOH/PE multilayer film properties. <i>Chemical Communications</i> , 2021 , 57, 11049-11051	5.8	0
179	Design of a Targeting and Oxygen-Independent Platform to Improve Photodynamic Therapy: A Proof of Concept.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 1330-1339	4.1	1
178	Monitoring of Peroxide in Gamma Irradiated EVA Multilayer Film Using Methionine Probe. <i>Polymers</i> , 2020 , 12,	4.5	1
177	Effects of Fe/Fe Binding to Human Frataxin and Its D122Y Variant, as Revealed by Site-Directed Spin Labeling (SDSL) EPR Complemented by Fluorescence and Circular Dichroism Spectroscopies. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	1
176	Effect of gamma irradiation on the oxygen barrier properties in ethyl-vinyl acetate/ethylene-vinyl alcohol/ethyl-vinyl acetate multilayer film. <i>Journal of Applied Polymer Science</i> , 2020 , 137, 49361	2.9	5
175	New Variants of Nitroxide Mediated Polymerization. <i>Polymers</i> , 2020 , 12,	4.5	13
174	Kinetic investigation of thermal and photoinduced homolysis of alkylated verdazyls. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 21881-21887	3.6	0
173	Théorie cinétique de l'équilibre chimique. <i>Comptes Rendus Chimie</i> , 2020 , 23, 445-503	2.7	0
172	Mapping the scientific research on the gamma irradiated polymers degradation (1975-2018). <i>Radiation Physics and Chemistry</i> , 2020 , 168, 108577	2.5	3
171	Homooligopeptides. Variations of the calculated absolute free energies G/n in function of the number n of amino acids. <i>Computational and Theoretical Chemistry</i> , 2020 , 1191, 113012	2	

170	Identification of chemical species created during Irradiation of antioxidant used in polyethylene and polyethylene-co-vinyl acetate multilayer film. <i>Journal of Applied Polymer Science</i> , 2020 , 137, 49336	2.9	4
169	Smart Alkoxyamines: A New Tool for Smart Applications. <i>Accounts of Chemical Research</i> , 2020 , 53, 2828-2840	2.4	5
168	An enzymatic acetal/hemiacetal conversion for the physiological temperature activation of the alkoxyamine C-DN bond homolysis. <i>Organic Chemistry Frontiers</i> , 2020 , 7, 2916-2924	5.2	5
167	Alkoxyamines Designed as Potential Drugs against and Parasites. <i>Molecules</i> , 2020 , 25,	4.8	3
166	Study of the mechanical behavior of gamma-irradiated single-use bag seals. <i>Food Packaging and Shelf Life</i> , 2020 , 26, 100582	8.2	0
165	Beyond common analytical limits of radicals detection using the functional SERS substrates. <i>Sensors and Actuators B: Chemical</i> , 2019 , 300, 127015	8.5	5
164	Power Law Distribution Concerning Absolute Free Energies of Linear Sulfur Chains, Polythiazyls, Polyisoprenes, Linear trans-Polyenes, and Polyynes. <i>Journal of Physical Chemistry A</i> , 2019 , 123, 1380-1388	2.8	4
163	Shifting-Nitroxides to Investigate Enzymatic Hydrolysis of Fatty Acids by Lipases Using Electron Paramagnetic Resonance in Turbid Media. <i>Analytical Chemistry</i> , 2019 , 91, 5504-5507	7.8	2
162	Chemical modifications of imidazole-containing alkoxyamines increase C-ON bond homolysis rate: Effects on their cytotoxic properties in glioblastoma cells. <i>Bioorganic and Medicinal Chemistry</i> , 2019 , 27, 1942-1951	3.4	5
161	Smart Control of Nitroxide-Mediated Polymerization Initiators' Reactivity by pH, Complexation with Metals, and Chemical Transformations. <i>Materials</i> , 2019 , 12,	3.5	14
160	Unprecedented plasmon-induced nitroxide-mediated polymerization (PI-NMP): a method for preparation of functional surfaces. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 12414-12419	13	30
159	Generation of O ₂ -Permeation Barrier during the Gamma-Irradiation of Polyethylene/Ethylene-Vinyl Alcohol/Polyethylene Multilayer Film. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 14115-14123	2.9	6
158	How intramolecular coordination bonding (ICB) controls the homolysis of the C-ON bond in alkoxyamines.. <i>RSC Advances</i> , 2019 , 9, 25776-25789	3.7	4
157	Probing the dynamic properties of two sites simultaneously in a protein-protein interaction process: a SDSL-EPR study. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 22584-22588	3.6	2
156	Enzymatic triggering of C-DN bond homolysis of alkoxyamines. <i>Organic Chemistry Frontiers</i> , 2019 , 6, 3663-3672	5.2	6
155	Reconciliation of pH, conductivity, total organic carbon with carboxylic acids detected by ion chromatography in solution after contact with multilayer films after Irradiation. <i>European Journal of Pharmaceutical Sciences</i> , 2018 , 117, 216-226	5.1	5
154	Monitoring of the discoloration on Irradiated PE and EVA films to evaluate antioxidant stability. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 46114	2.9	6
153	Selective On/Off-Nitroxides as Radical Probes to Investigate Non-radical Enzymatic Activity by Electron Paramagnetic Resonance. <i>Chemistry - A European Journal</i> , 2018 , 24, 7615-7619	4.8	7

152	The effect of the oxophilic Tb(III) cation on C ON bond homolysis in alkoxyamines. <i>Inorganic Chemistry Communication</i> , 2018 , 91, 5-7	3.1	5
151	Evaluation of multilayer film stability by Raman spectroscopy after gamma-irradiation sterilization process. <i>Vibrational Spectroscopy</i> , 2018 , 96, 52-59	2.1	5
150	XPS analysis of PE and EVA samples irradiated at different doses. <i>Applied Surface Science</i> , 2018 , 427, 966-972	6.7	18
149	Enthalpy of Combustion on n-Alkanes. Quantum Chemical Calculations up to n-C60H122 and Power Law Distributions. <i>ChemistrySelect</i> , 2018 , 3, 9113-9120	1.8	7
148	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> , 2018 , 126, 101-112	7.8	7
147	Imidazoline and imidazolidine nitroxides as controlling agents in nitroxide-mediated pseudoliving radical polymerization. <i>Russian Chemical Reviews</i> , 2018 , 87, 328-349	6.8	21
146	Coordination-Initiated Nitroxide-Mediated Polymerization (CI-NMP). <i>Australian Journal of Chemistry</i> , 2018 , 71, 334	1.2	14
145	Radical polymerization of radical-labeled monomers: The triarylmethyl-based radical monomer as an example. <i>Journal of Polymer Science Part A</i> , 2018 , 56, 2656-2664	2.5	7
144	Ozone, chemical reactivity and biological functions. <i>Tetrahedron</i> , 2018 , 74, 6221-6261	2.4	22
143	Unexpectedly High Levels of Organic Compounds Released by Indoor Photocatalytic Paints. <i>Environmental Science & Technology</i> , 2018 , 52, 11328-11337	10.3	39
142	Hyperfine coupling constants of α -phosphorylated nitroxides: Subtle interplay between steric strain, hyperconjugation, and dipole-dipole interactions. <i>Tetrahedron</i> , 2017 , 73, 3188-3201	2.4	4
141	Theoretical investigations on the conversions of cyclic polysulfides to acyclic polysulfide diradicals and subsequent reactions of biological interest. <i>Tetrahedron</i> , 2017 , 73, 3492-3496	2.4	1
140	Normal, Leveled, and Enhanced Steric Effects in Alkoxyamines Carrying a α -Phosphorylated Nitroxyl Fragment. <i>Journal of Organic Chemistry</i> , 2017 , 82, 5702-5709	4.2	5
139	Zinc(II) Hexafluoroacetylacetonate Complexes of Alkoxyamines: NMR and Kinetic Investigations. First Step for a New Way to Prepare Hybrid Materials.. <i>ChemistrySelect</i> , 2017 , 2, 3584-3593	1.8	15
138	Impact of γ -irradiation, ageing and their interactions on multilayer films followed by AComDim. <i>Analytica Chimica Acta</i> , 2017 , 981, 11-23	6.6	7
137	Dual-initiator alkoxyamines with an N-tert-butyl-N-(1-diethylphosphono-2,2-dimethylpropyl) nitroxide moiety for preparation of block co-polymers. <i>RSC Advances</i> , 2017 , 7, 4993-5001	3.7	2
136	How intramolecular hydrogen bonding (IHB) controls the C-ON bond homolysis in alkoxyamines. <i>Organic and Biomolecular Chemistry</i> , 2017 , 15, 8425-8439	3.9	15
135	Orthogonal Tyrosine and Cysteine Site-Directed Spin Labeling for Dipolar Pulse EPR Spectroscopy on Proteins. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 4852-4857	6.4	21

134	δ Phosphorus Hyperfine Coupling Constant in Nitroxides: Conformational Effects in 6-Membered Ring Nitroxides. <i>Applied Magnetic Resonance</i> , 2017 , 48, 379-406	0.8	1
133	C-ON bond homolysis of alkoxyamines: when too high polarity is detrimental. <i>Organic and Biomolecular Chemistry</i> , 2017 , 15, 6167-6176	3.9	12
132	Studies of the dehydrodimerization of 2-butanone and 3-pentanone by lead dioxide. <i>Tetrahedron Letters</i> , 2016 , 57, 5703-5706	2	2
131	Intramolecular Hydrogen Bond Reverting the Solvent Effect on Phosphorus Hyperfine Coupling Constants of δ Phosphorylated Nitroxides. <i>ChemPhysChem</i> , 2016 , 17, 3954-3963	3.2	4
130	FTIR study of ageing of γ irradiated biopharmaceutical EVA based film. <i>Polymer Degradation and Stability</i> , 2016 , 129, 19-25	4.7	20
129	Mass spectrometry of nitroxide-terminated poly(4-vinylpyridine): A case of unwanted reactive MALDI. <i>International Journal of Mass Spectrometry</i> , 2016 , 405, 50-58	1.9	5
128	δ Phosphorus hyperfine coupling constant in nitroxides: 5. Solvent effect. <i>RSC Advances</i> , 2016 , 6, 5653-5670	3.9	5
127	Solvent effect in δ phosphorylated nitroxides. Part 4: detection of traces of water by electron paramagnetic resonance. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 1288-92	3.9	5
126	The δ phosphorus hyperfine coupling constant in nitroxides: 6. Solvent effects in non-cyclic nitroxides. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 3729-43	3.9	5
125	Computational and mechanistic studies of the acylation of cyclopropanes. <i>Tetrahedron Letters</i> , 2016 , 57, 1743-1749	2	1
124	C-ON Bond Homolysis of Alkoxyamines, Part 11: Activation of the Nitroxyl Fragment. <i>Journal of Organic Chemistry</i> , 2016 , 81, 1981-8	4.2	9
123	Nitroxides in host-guest chemistry: 2010-2016. <i>Electron Paramagnetic Resonance</i> , 2016 , 180-235	1	6
122	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> , 2016 , 14, 3574-83	3.9	12
121	One year monitoring by FTIR of γ irradiated multilayer film PE/EVOH/PE. <i>Radiation Physics and Chemistry</i> , 2016 , 125, 115-121	2.5	20
120	C-ON bond homolysis of alkoxyamines triggered by paramagnetic copper(II) salts. <i>Inorganic Chemistry Frontiers</i> , 2016 , 3, 1464-1472	6.8	19
119	Trityl-based alkoxyamines as NMP controllers and spin-labels. <i>Polymer Chemistry</i> , 2016 , 7, 6490-6499	4.9	13
118	Products and mechanisms of the heterogeneous reactions of ozone with commonly used pyrethroids in the atmosphere. <i>Science of the Total Environment</i> , 2016 , 573, 1287-1293	10.2	6
117	Solvent Effect in δ Phosphorylated Nitroxides: Model Nitroxides. <i>Applied Magnetic Resonance</i> , 2015 , 46, 1333-1342	0.8	9

116	Development and Application of Spin Traps, Spin Probes, and Spin Labels. <i>Methods in Enzymology</i> , 2015 , 563, 365-96	1.7	35
115	Energetics of the biosynthesis of prostanes from arachidonate. <i>Tetrahedron</i> , 2015 , 71, 6920-6927	2.4	1
114	Design of Wall-Functionalized Hybrid Silicas Containing Diazene Radical Precursors. EPR Investigation of Their Photolysis and Thermolysis. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 5434-5439	3.8	8
113	On the structure-control relationship of amide-functionalized SG1-based alkoxyamines for nitroxide-mediated polymerization and conjugation. <i>Polymer Chemistry</i> , 2015 , 6, 5693-5704	4.9	13
112	Enzymatically Shifting Nitroxides for EPR Spectroscopy and Overhauser-Enhanced Magnetic Resonance Imaging. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 13379-84	16.4	23
111	Degradation of Irradiated polyethylene-ethylene vinyl alcohol-polyethylene multilayer films: An ESR study. <i>Polymer Degradation and Stability</i> , 2015 , 122, 169-179	4.7	18
110	Part 10: chemically triggered alkoxyamine C-D bond homolysis in ionic liquid solvents. <i>RSC Advances</i> , 2015 , 5, 76660-76665	3.7	
109	Enzymatically Shifting Nitroxides for EPR Spectroscopy and Overhauser-Enhanced Magnetic Resonance Imaging. <i>Angewandte Chemie</i> , 2015 , 127, 13577-13582	3.6	6
108	Computational Studies on Intramolecular Cycloadditions of Azidoynes and Azidobutenenitriles to Give 6H-Pyrrolo[1,2-c][1,2,3]triazoles and 5H-Pyrrolo[1,2-d]tetrazoles. <i>Helvetica Chimica Acta</i> , 2015 , 98, 1018-1027	2	3
107	Hydrogen-Bonding Effects for the C-D Bond Homolysis and Reformation Reactions of Alkoxyamines. <i>Macromolecular Chemistry and Physics</i> , 2015 , 216, 475-488	2.6	8
106	The phosphorus hyperfine coupling constant in nitroxide: part 3: titration of water by electron paramagnetic resonance. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 11393-400	3.9	4
105	Chapter 2: Kinetic Aspects of Nitroxide Mediated Polymerization. <i>RSC Polymer Chemistry Series</i> , 2015 , 45-113	1.3	6
104	Chemically triggered C-D bond homolysis in alkoxyamines. Part 7. Remote polar effect. <i>Journal of Physical Organic Chemistry</i> , 2014 , 27, 387-391	2.1	5
103	In vivo Overhauser-enhanced MRI of proteolytic activity. <i>Contrast Media and Molecular Imaging</i> , 2014 , 9, 363-71	3.2	24
102	Labile alkoxyamines: past, present, and future. <i>Chemical Communications</i> , 2014 , 50, 7921-8	5.8	37
101	Diversification of EPR signatures in Site Directed Spin Labeling using a phosphorylated nitroxide. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 4202-9	3.6	11
100	Energetics of the biosynthesis of cyclopentenones from unsaturated fatty acids. <i>Tetrahedron</i> , 2014 , 70, 8606-8613	2.4	3
99	Alkoxyamines: a new family of pro-drugs against cancer. Concept for theranostics. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 719-23	3.9	30

98	Arylsulfanyl radical lifetime in nanostructured silica: dramatic effect of the organic monolayer structure. <i>Chemical Science</i> , 2014 , 5, 4716-4723	9.4	12
97	Alkoxyamines: toward a new family of theranostic agents against cancer. <i>Molecular Pharmaceutics</i> , 2014 , 11, 2412-9	5.6	25
96	Calculated linear free energy relationships in the course of the SuzukiMiyaura coupling reaction. <i>Tetrahedron</i> , 2014 , 70, 2272-2279	2.4	11
95	Revised structure, total synthesis, and absolute configuration of kopeolin and kopeolone. <i>Journal of Organic Chemistry</i> , 2014 , 79, 2268-73	4.2	2
94	Scavenging of organic C-centered radicals by nitroxides. <i>Chemical Reviews</i> , 2014 , 114, 5011-56	68.1	81
93	Intramolecular proton transfer (IPT) in alkoxyamine: a theoretical investigation. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 13862-71	3.6	7
92	Nazarov reagents and their use in organic synthesis. <i>Tetrahedron</i> , 2013 , 69, 8325-8348	2.4	33
91	Chemically triggered C-ON bond homolysis in alkoxyamines. 6. Effect of the counteranion. <i>Journal of Organic Chemistry</i> , 2013 , 78, 7754-7	4.2	16
90	Chemically triggered C-ON bond homolysis of alkoxyamines. 8. Quaternization and steric effects. <i>Journal of Organic Chemistry</i> , 2013 , 78, 9914-20	4.2	12
89	Theoretical modelling of the epoxidation of vinylallenes to give cyclopentenones. <i>Tetrahedron Letters</i> , 2013 , 54, 6607-6610	2	3
88	Chemically triggered C-ON bond homolysis in alkoxyamines: regioselectivity and chemoselectivity. <i>Organic and Biomolecular Chemistry</i> , 2013 , 11, 7738-50	3.9	9
87	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> , 2013 , 9, 2869-76		23
86	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> , 2013 , 51, 1323-1336	2.5	22
85	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> , 2013 , 24, 1110-7	6.3	33
84	Structural equilibrium in new nitroxide-capped cyclodextrins: CW and pulse EPR study. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 8223-31	3.4	8
83	Direct functionalization of labile alkoxyamines. <i>Tetrahedron Letters</i> , 2012 , 53, 4543-4547	2	7
82	Aminomethylation of Michael acceptors: complementary radical and polar approaches mediated by dialkylzincs. <i>Chemistry - A European Journal</i> , 2012 , 18, 3241-7	4.8	21
81	Fragmentation of tertiary alkoxy radicals: G3(MP2)-RAD and natural bond orbital investigations. <i>ChemPhysChem</i> , 2012 , 13, 703-7	3.2	3

80	In vivo high-resolution 3D overhauser-enhanced MRI in mice at 0.2 T. <i>Contrast Media and Molecular Imaging</i> , 2012 , 7, 45-50	3.2	25
79	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> , 2012 , 33, 152-7	4.8	33
78	Time-Resolved and Pulse EPR Study of Triplet States of Alkylketones in β -Cyclodextrin. <i>Applied Magnetic Resonance</i> , 2012 , 42, 29-40	0.8	7
77	Chemically triggered C-ON bond homolysis of alkoxyamines. 5. Cybotactic effect. <i>Journal of Organic Chemistry</i> , 2012 , 77, 9634-40	4.2	22
76	Chemically triggered C-ON bond homolysis of alkoxyamines. Part 4: solvent effect. <i>Polymer Chemistry</i> , 2012 , 3, 2901	4.9	22
75	Chemically triggered C-ON bond homolysis of alkoxyamines. Quaternization of the alkyl fragment. <i>Organic Letters</i> , 2012 , 14, 358-61	6.2	43
74	Hyperfine coupling constants of β -phosphorylated nitroxides: a tool to probe the cybotactic effect by electron paramagnetic resonance. <i>ChemPhysChem</i> , 2012 , 13, 3542-8	3.2	9
73	Nitroxide-Mediated Polymerization and its Applications 2012 ,		4
72	EPR investigation of zinc/iodine exchange between propargyl iodides and diethylzinc: detection of propargyl radical by spin trapping. <i>Journal of Organic Chemistry</i> , 2012 , 77, 9081-6	4.2	18
71	Alkoxyamine re-formation reaction. Effects of the nitroxide fragment: a multiparameter analysis. <i>Journal of Organic Chemistry</i> , 2012 , 77, 4996-5005	4.2	25
70	First proton triggered C-ON bond homolysis in alkoxyamines. <i>Chemical Communications</i> , 2011 , 47, 4291-3.8	3.8	47
69	Kinetic subtleties of nitroxide mediated polymerization. <i>Chemical Society Reviews</i> , 2011 , 40, 2189-98	58.5	145
68	Tyrosine-Targeted Spin Labeling and EPR Spectroscopy: An Alternative Strategy for Studying Structural Transitions in Proteins. <i>Angewandte Chemie</i> , 2011 , 123, 9274-9277	3.6	8
67	Tyrosine-targeted spin labeling and EPR spectroscopy: an alternative strategy for studying structural transitions in proteins. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 9108-11	16.4	33
66	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> , 2011 , 17, 1586-95	4.8	40
65	Linear-Free Energy Relationships for Modeling Structure-Reactivity Trends in Controlled Radical Polymerization. <i>Macromolecules</i> , 2011 , 44, 7568-7583	5.5	59
64	Diastereomeric Effect on the Homolysis of the C-ON Bond in Alkoxyamines: A DFT Investigation of 1,3-Diphenylbutyl-TEMPO. <i>Polymers</i> , 2010 , 2, 353-363	4.5	10
63	Chemically Induced Dynamic Nuclear Polarization during the Thermolysis of Alkoxyamines: A New Approach to Detect the Occurrence of H-Transfer Reactions. <i>Polymers</i> , 2010 , 2, 364-377	4.5	8

62	Role of the alkyl fragment of initiating alkoxyamine in nitroxide mediated polymerization of styrene. <i>Polymer Science - Series B</i> , 2010 , 52, 327-338	0.8	10
61	A Step Towards High-Molecular-Weight Living/Controlled Polystyrene Using SG1-Mediated Polymerization. <i>Macromolecular Reaction Engineering</i> , 2010 , 4, 403-414	1.5	14
60	Linear Free-Energy Relationships for the Alkyl Radical Affinities of Nitroxides: A Theoretical Study. <i>Macromolecules</i> , 2010 , 43, 3728-3743	5.5	43
59	Polypropylene degradation: Theoretical and experimental investigations. <i>Polymer Degradation and Stability</i> , 2010 , 95, 782-791	4.7	37
58	Imidazoline-N-oxyl: a DFT study of its protonation reaction. <i>ChemPhysChem</i> , 2009 , 10, 2419-28	3.2	2
57	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 β -Cyclodextrin. <i>Applied Magnetic Resonance</i> , 2009 , 36, 181-194	0.8	8
56	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> , 2009 , 47, 6579-6595	2.5	37
55	Is Experimental Evidence Sufficient Enough To Account for the Stabilization Effect of Bisnitroxide on the Fate of NMP Experiments?. <i>Macromolecules</i> , 2009 , 42, 1404-1406	5.5	8
54	New concepts in molecular imaging: non-invasive MRI spotting of proteolysis using an Overhauser effect switch. <i>PLoS ONE</i> , 2009 , 4, e5244	3.7	27
53	Role of the Adducted Cation in the Release of Nitroxide End Group of Controlled Polymer in Mass Spectrometry. <i>Macromolecules</i> , 2009 , 42, 1849-1859	5.5	35
52	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> , 2008 , 112, 13157-62	3.4	10
51	Synthesis of highly labile SG1-based alkoxyamines under photochemical conditions. <i>Journal of Organic Chemistry</i> , 2008 , 73, 4728-31	4.2	40
50	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> , 2008 , 46, 6828-6842	2.5	44
49	Effect of the Penultimate Unit on the C-ON Bond Homolysis in SG1-Based Alkoxyamines. <i>Macromolecular Chemistry and Physics</i> , 2008 , 209, 220-224	2.6	33
48	Can the First Addition of Alkyl Radicals Play a Role in the Fate of NMP?. <i>Macromolecular Chemistry and Physics</i> , 2008 , 209, 1345-1357	2.6	30
47	Effect of the carboxylate salt on the C-ON bond homolysis of SG1-based alkoxyamines. <i>ChemPhysChem</i> , 2008 , 9, 272-81	3.2	16
46	Reduced sample recovery in liquid chromatography at critical adsorption point of high molar mass polystyrene. <i>European Polymer Journal</i> , 2008 , 44, 514-522	5.2	31
45	First Effective Nitroxide-Mediated Polymerization of Methyl Methacrylate. <i>Macromolecules</i> , 2007 , 40, 3108-3114	5.5	150

44	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> , 2007 , 13, 9344-54	4.8	32
43	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> , 2007 , 811, 255-266		13
42	Intermolecular radical addition of alkoxyamines onto olefins: An easy access to advanced macromolecular architectures precursors. <i>Polymer</i> , 2007 , 48, 5219-5225	3.9	54
41	Persilylated phosphoranyl radicals: the first persistent noncyclic phosphoranyl radicals. <i>Chemistry - A European Journal</i> , 2006 , 12, 7084-94	4.8	3
40	Alkoxyamine C-D Bond Homolysis: Stereoelectronic Effects. <i>European Journal of Organic Chemistry</i> , 2006 , 2006, 1755-1768	3.2	49
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