

Sylvain Marque

List of Publications by Year in descending order

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197
papers

5,133
citations

94381

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128225

60
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all docs

212
docs citations

212
times ranked

2815
citing authors

#	ARTICLE	IF	CITATIONS
1	One-year ageing FTIR monitoring of PE/EVOH/PE film after gamma or electron beam irradiation. <i>Polymer Degradation and Stability</i> , 2022, 195, 109790.	2.7	9
2	Monitoring of peroxide in gamma irradiated PE/EVOH/PE multilayer film using methionine probe. <i>Food and Bioproducts Processing</i> , 2022, 132, 226-232.	1.8	1
3	Alkylverdazyls as a Source of Alkyl Radicals for Light-Triggered Cancer Cell Death. <i>Molecular Pharmaceutics</i> , 2022, 19, 354-357.	2.3	1
4	Effects of X-Rays, Electron Beam, and Gamma Irradiation on Chemical and Physical Properties of EVA Multilayer Films. <i>Frontiers in Chemistry</i> , 2022, 10, .	1.8	6
5	Neutrophil Elastase-Activatable Prodrugs Based on an Alkoxyamine Platform to Deliver Alkyl Radicals Cytotoxic to Tumor Cells. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 9253-9266.	2.9	4
6	The chemical thermodynamics and diamagnetism of n-alkanes. Calculations up to n-C ₁₁₀ H ₂₂₂ from quantum chemical computations and experimental values. <i>Computational and Theoretical Chemistry</i> , 2022, 1215, 113770.	1.1	0
7	Establishing plasmon contribution to chemical reactions: alkoxyamines as a thermal probe. <i>Chemical Science</i> , 2021, 12, 4154-4161.	3.7	12
8	Effects of X-ray, electron beam and gamma irradiation on PE/EVOH/PE multilayer film properties. <i>Chemical Communications</i> , 2021, 57, 11049-11051.	2.2	8
9	Influence of Gamma Irradiation on Electric Cables Models: Study of Additive Effects by Mid-Infrared Spectroscopy. <i>Polymers</i> , 2021, 13, 1451.	2.0	10
10	Magnetic Resonance Imaging of Protease-Mediated Lung Tissue Inflammation and Injury. <i>ACS Omega</i> , 2021, 6, 15012-15016.	1.6	5
11	Investigations at the Product, Macromolecular, and Molecular Level of the Physical and Chemical Properties of a ¹³ C-Irradiated Multilayer EVA/EVOH/EVA Film: Comprehensive Analysis and Mechanistic Insights. <i>Polymers</i> , 2021, 13, 2671.	2.0	3
12	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.	2.3	11
13	Mapping the scientific research on the ionizing radiation impacts on polymers (1975â€“2019). <i>E-Polymers</i> , 2021, 21, 770-778.	1.3	1
14	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.	2.3	6
15	Enzymatic activity monitoring through Dynamic Nuclear Polarization in Earth magnetic field. <i>Journal of Magnetic Resonance</i> , 2021, 333, 107095.	1.2	2
16	A Combined Spectroscopic and In Silico Approach to Evaluate the Interaction of Human Frataxin with Mitochondrial Superoxide Dismutase. <i>Biomedicines</i> , 2021, 9, 1763.	1.4	3
17	Mapping the scientific research on the gamma irradiated polymers degradation (1975â€“2018). <i>Radiation Physics and Chemistry</i> , 2020, 168, 108577.	1.4	4
18	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.	1.1	1

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19	Identification of chemical species created during ^{13}C -irradiation of antioxidant used in polyethylene and polyethylene- <i>co</i> -vinyl acetate multilayer film. <i>Journal of Applied Polymer Science</i> , 2020, 137, 49336.	1.3	8
20	Smart Alkoxyamines: A New Tool for Smart Applications. <i>Accounts of Chemical Research</i> , 2020, 53, 2828-2840.	7.6	16
21	NMR and EPR Study of Homolysis of Diastereomeric Alkoxyamines. <i>Molecules</i> , 2020, 25, 5080.	1.7	1
22	An enzymatic acetal/hemiacetal conversion for the physiological temperature activation of the alkoxyamine C=ON bond homolysis. <i>Organic Chemistry Frontiers</i> , 2020, 7, 2916-2924.	2.3	10
23	Alkoxyamines Designed as Potential Drugs against Plasmodium and Schistosoma Parasites. <i>Molecules</i> , 2020, 25, 3838.	1.7	9
24	Study of the mechanical behavior of gamma-irradiated single-use bag seals. <i>Food Packaging and Shelf Life</i> , 2020, 26, 100582.	3.3	1
25	Monitoring of Peroxide in Gamma Irradiated EVA Multilayer Film Using Methionine Probe. <i>Polymers</i> , 2020, 12, 3024.	2.0	4
26	Effects of Fe ²⁺ /Fe ³⁺ 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, 9619.	1.8	8
27	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.	1.3	9
28	New Variants of Nitroxide Mediated Polymerization. <i>Polymers</i> , 2020, 12, 1481.	2.0	28
29	Kinetic investigation of thermal and photoinduced homolysis of alkylated verdazyls. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 21881-21887.	1.3	5
30	Théorie cinétique de l'équilibre chimique. <i>Comptes Rendus Chimie</i> , 2020, 23, 445-503.	0.2	1
31	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.	1.8	11
32	How intramolecular coordination bonding (ICB) controls the homolysis of the C=ON bond in alkoxyamines. <i>RSC Advances</i> , 2019, 9, 25776-25789.	1.7	6
33	Beyond common analytical limits of radicals detection using the functional SERS substrates. <i>Sensors and Actuators B: Chemical</i> , 2019, 300, 127015.	4.0	11
34	Power Law Distribution Concerning Absolute Free Energies of Linear Sulfur Chains, Polythiazyls, Polyisoprenes, Linear <i>trans</i> -Polyenes, and Polyyenes. <i>Journal of Physical Chemistry A</i> , 2019, 123, 1380-1388.	1.1	6
35	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.	3.2	6
36	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.	1.4	10

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37	Smart Control of Nitroxide-Mediated Polymerization Initiators TM Reactivity by pH, Complexation with Metals, and Chemical Transformations. <i>Materials</i> , 2019, 12, 688.	1.3	18
38	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.	5.2	42
39	Probing the dynamic properties of two sites simultaneously in a protein TM protein interaction process: a SDSL-EPR study. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 22584-22588.	1.3	4
40	Enzymatic triggering of C TM ON bond homolysis of alkoxyamines. <i>Organic Chemistry Frontiers</i> , 2019, 6, 3663-3672.	2.3	13
41	Reconciliation of pH, conductivity, total organic carbon with carboxylic acids detected by ion chromatography in solution after contact with multilayer films after ¹³ C-irradiation. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 117, 216-226.	1.9	15
42	Monitoring of the discoloration on ¹³ C-irradiated PE and EVA films to evaluate antioxidant stability. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46114.	1.3	12
43	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.	1.7	9
44	The effect of the oxophilic Tb(III) cation on C ON bond homolysis in alkoxyamines. <i>Inorganic Chemistry Communication</i> , 2018, 91, 5-7.	1.8	6
45	Evaluation of multilayer film stability by Raman spectroscopy after gamma-irradiation sterilization process. <i>Vibrational Spectroscopy</i> , 2018, 96, 52-59.	1.2	11
46	XPS analysis of PE and EVA samples irradiated at different ¹³ C-doses. <i>Applied Surface Science</i> , 2018, 427, 966-972.	3.1	35
47	Radical polymerization of radical TM labeled monomers: The triarylmethyl TM based radical monomer as an example. <i>Journal of Polymer Science Part A</i> , 2018, 56, 2656-2664.	2.5	7
48	Ozone, chemical reactivity and biological functions. <i>Tetrahedron</i> , 2018, 74, 6221-6261.	1.0	39
49	Unexpectedly High Levels of Organic Compounds Released by Indoor Photocatalytic Paints. <i>Environmental Science & Technology</i> , 2018, 52, 11328-11337.	4.6	58
50	Enthalpy of Combustion on ⁿ Alkanes. Quantum Chemical Calculations up to ⁿ C ₆₀ H ₁₂₂ and Power Law Distributions. <i>ChemistrySelect</i> , 2018, 3, 9113-9120.	0.7	10
51	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.	1.3	10
52	Imidazoline and imidazolidine nitroxides as controlling agents in nitroxide-mediated pseudoliving radical polymerization. <i>Russian Chemical Reviews</i> , 2018, 87, 328-349.	2.5	24
53	Coordination-Initiated Nitroxide-Mediated Polymerization (CI-NMP). <i>Australian Journal of Chemistry</i> , 2018, 71, 334.	0.5	17
54	Hyperfine coupling constants of ¹² -phosphorylated nitroxides: Subtle interplay between steric strain, hyperconjugation, and dipole-dipole interactions. <i>Tetrahedron</i> , 2017, 73, 3188-3201.	1.0	5

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55	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.	1.0	3
56	Normal, Leveled, and Enhanced Steric Effects in Alkoxyamines Carrying a \hat{I}^2 -Phosphorylated Nitroxyl Fragment. <i>Journal of Organic Chemistry</i> , 2017, 82, 5702-5709.	1.7	6
57	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.	0.7	17
58	Impact of \hat{I}^3 -irradiation, ageing and their interactions on multilayer films followed by AComDim. <i>Analytica Chimica Acta</i> , 2017, 981, 11-23.	2.6	11
59	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.	1.7	2
60	How intramolecular hydrogen bonding (IHB) controls the C \hat{C} -ON bond homolysis in alkoxyamines. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 8425-8439.	1.5	20
61	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.	2.1	26
62	\hat{I}^2 -Phosphorus Hyperfine Coupling Constant in Nitroxides: Conformational Effects in 6-Membered Ring Nitroxides. <i>Applied Magnetic Resonance</i> , 2017, 48, 379-406.	0.6	2
63	C \hat{C} -ON bond homolysis of alkoxyamines: when too high polarity is detrimental. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 6167-6176.	1.5	14
64	C \hat{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, 3574-3583.	1.5	14
65	One year monitoring by FTIR of \hat{I}^3 -irradiated multilayer film PE/EVOH/PE. <i>Radiation Physics and Chemistry</i> , 2016, 125, 115-121.	1.4	30
66	C \hat{C} -ON bond homolysis of alkoxyamines triggered by paramagnetic copper($\langle scp \rangle ii \langle /scp \rangle$) salts. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 1464-1472.	3.0	24
67	Trityl-based alkoxyamines as NMP controllers and spin-labels. <i>Polymer Chemistry</i> , 2016, 7, 6490-6499.	1.9	16
68	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.	3.9	9
69	Studies of the dehydrodimerization of 2-butanone and 3-pentanone by lead dioxide. <i>Tetrahedron Letters</i> , 2016, 57, 5703-5706.	0.7	2
70	Intramolecular Hydrogen Bond Reverting the Solvent Effect on Phosphorus Hyperfine Coupling Constants of \hat{I}^2 -Phosphorylated Nitroxides. <i>ChemPhysChem</i> , 2016, 17, 3954-3963.	1.0	5
71	FTIR study of ageing of \hat{I}^3 -irradiated biopharmaceutical EVA based film. <i>Polymer Degradation and Stability</i> , 2016, 129, 19-25.	2.7	33
72	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.	0.7	6

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73	\hat{I}^2 -Phosphorus hyperfine coupling constant in nitroxides: 5. Solvent effect. RSC Advances, 2016, 6, 5653-5670.	1.7	5
74	Solvent effect in \hat{I}^2 -phosphorylated nitroxides. Part 4: detection of traces of water by electron paramagnetic resonance. Organic and Biomolecular Chemistry, 2016, 14, 1288-1292.	1.5	6
75	The \hat{I}^2 -phosphorus hyperfine coupling constant in nitroxides: 6. Solvent effects in non-cyclic nitroxides. Organic and Biomolecular Chemistry, 2016, 14, 3729-3743.	1.5	6
76	Computational and mechanistic studies of the acylation of cyclopropanes. Tetrahedron Letters, 2016, 57, 1743-1749.	0.7	1
77	Câ€“ON Bond Homolysis of Alkoxyamines, Part 11: Activation of the Nitroxyl Fragment. Journal of Organic Chemistry, 2016, 81, 1981-1988.	1.7	10
78	Nitroxides in host-guest chemistry: 2010-2016. Electron Paramagnetic Resonance, 2016, , 180-235.	0.2	8
79	Part 10: chemically triggered alkoxyamine Câ€“ON bond homolysis in ionic liquid solvents. RSC Advances, 2015, 5, 76660-76665.	1.7	0
80	Computational Studies on Intramolecular Cycloadditions of Azidoenynes and Azidobutenenitriles to Give 6 <i>H</i> -Pyrrolo[1,2- <i>c</i>][1,2,3]triazoles and 5 <i>H</i> -Pyrrolo[1,2- <i>d</i>]tetrazoles. Helvetica Chimica Acta, 2015, 98, 1018-1027.	1.0	3
81	Hydrogen-Bonding Effects for the Câ€“ON Bond Homolysis and Reformation Reactions of Alkoxyamines. Macromolecular Chemistry and Physics, 2015, 216, 475-488.	1.1	9
82	The \hat{I}^2 -phosphorus hyperfine coupling constant in nitroxide: part 3: titration of water by electron paramagnetic resonance. Organic and Biomolecular Chemistry, 2015, 13, 11393-11400.	1.5	4
83	Solvent Effect in \hat{I}^2 -Phosphorylated Nitroxides: Model Nitroxides. Applied Magnetic Resonance, 2015, 46, 1333-1342.	0.6	11
84	Development and Application of Spin Traps, Spin Probes, and Spin Labels. Methods in Enzymology, 2015, 563, 365-396.	0.4	39
85	Energetics of the biosynthesis of prostanes from arachidonate. Tetrahedron, 2015, 71, 6920-6927.	1.0	1
86	Design of Wall-Functionalized Hybrid Silicas Containing Diazene Radical Precursors. EPR Investigation of Their Photolysis and Thermolysis. Journal of Physical Chemistry C, 2015, 119, 5434-5439.	1.5	9
87	On the structure-control relationship of amide-functionalized SG1-based alkoxyamines for nitroxide-mediated polymerization and conjugation. Polymer Chemistry, 2015, 6, 5693-5704.	1.9	13
88	Enzymatically Shifting Nitroxides for EPR Spectroscopy and Overhauser-Enhanced Magnetic Resonance Imaging. Angewandte Chemie - International Edition, 2015, 54, 13379-13384.	7.2	28
89	Degradation of \hat{I}^3 -irradiated polyethylene-ethylene vinyl alcohol-polyethylene multilayer films: An ESR study. Polymer Degradation and Stability, 2015, 122, 169-179.	2.7	31
90	Chapter 2. Kinetic Aspects of Nitroxide Mediated Polymerization. RSC Polymer Chemistry Series, 2015, , 45-113.	0.1	9

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91	Chemically triggered C–ON bond homolysis in alkoxyamines. Part 7. Remote polar effect. <i>Journal of Physical Organic Chemistry</i> , 2014, 27, 387-391.	0.9	6
92	<i>In vivo</i> Overhauser-enhanced MRI of proteolytic activity. <i>Contrast Media and Molecular Imaging</i> , 2014, 9, 363-371.	0.4	26
93	Labile alkoxyamines: past, present, and future. <i>Chemical Communications</i> , 2014, 50, 7921-7928.	2.2	50
94	Diversification of EPR signatures in site directed spin labeling using a \hat{I}^2 -phosphorylated nitroxide. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 4202.	1.3	13
95	Addition and corrections published 31st October 2013 to 10th July 2014. <i>Chemical Communications</i> , 2014, 50, 9595.	2.2	1
96	Energetics of the biosynthesis of cyclopentenones from unsaturated fatty acids. <i>Tetrahedron</i> , 2014, 70, 8606-8613.	1.0	3
97	Alkoxyamines: a new family of pro-drugs against cancer. Concept for theranostics. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 719-723.	1.5	39
98	Arylsulfanyl radical lifetime in nanostructured silica: dramatic effect of the organic monolayer structure. <i>Chemical Science</i> , 2014, 5, 4716-4723.	3.7	16
99	Alkoxyamines: Toward a New Family of Theranostic Agents against Cancer. <i>Molecular Pharmaceutics</i> , 2014, 11, 2412-2419.	2.3	32
100	Calculated linear free energy relationships in the course of the Suzuki–Miyaura coupling reaction. <i>Tetrahedron</i> , 2014, 70, 2272-2279.	1.0	12
101	Revised Structure, Total Synthesis, and Absolute Configuration of Kopeolin and Kopeolone. <i>Journal of Organic Chemistry</i> , 2014, 79, 2268-2273.	1.7	3
102	Scavenging of Organic C-Centered Radicals by Nitroxides. <i>Chemical Reviews</i> , 2014, 114, 5011-5056.	23.0	94
103	Intramolecular proton transfer (IPT) in alkoxyamine: a theoretical investigation. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 13862.	1.3	7
104	Nazarov reagents and their use in organic synthesis. <i>Tetrahedron</i> , 2013, 69, 8325-8348.	1.0	39
105	Chemically Triggered C–ON Bond Homolysis in Alkoxyamines. 6. Effect of the Counteranion. <i>Journal of Organic Chemistry</i> , 2013, 78, 7754-7757.	1.7	18
106	Chemically Triggered C–ON Bond Homolysis of Alkoxyamines. 8. Quaternization and Steric Effects. <i>Journal of Organic Chemistry</i> , 2013, 78, 9914-9920.	1.7	13
107	Theoretical modelling of the epoxidation of vinylallenes to give cyclopentenones. <i>Tetrahedron Letters</i> , 2013, 54, 6607-6610.	0.7	3
108	Chemically triggered C–ON bond homolysis in alkoxyamines: regioselectivity and chemoselectivity. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 7738.	1.5	9

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109	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.	2.9	26
110	H ¹⁵ N transfer reaction during decomposition of N-(2-methylpropyl)-N-(1-diethylphosphono-2,2-dimethylpropyl)oxyl (SG1)-based alkoxyamines. <i>Journal of Polymer Science Part A</i> , 2013, 51, 1323-1336.	2.5	23
111	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, 1110-1117.	1.8	39
112	Structural Equilibrium in New Nitroxide-Capped Cyclodextrins: CW and Pulse EPR Study. <i>Journal of Physical Chemistry B</i> , 2013, 117, 8223-8231.	1.2	10
113	Chemically Triggered C=ON Bond Homolysis of Alkoxyamines. 5. Cybotactic Effect. <i>Journal of Organic Chemistry</i> , 2012, 77, 9634-9640.	1.7	23
114	Chemically triggered C=ON bond homolysis of alkoxyamines. Part 4: solvent effect. <i>Polymer Chemistry</i> , 2012, 3, 2901.	1.9	24
115	Chemically Triggered C=ON Bond Homolysis of Alkoxyamines. Quaternization of the Alkyl Fragment. <i>Organic Letters</i> , 2012, 14, 358-361.	2.4	47
116	Hyperfine Coupling Constants of ³¹ P-Phosphorylated Nitroxides: A Tool to Probe the Cybotactic Effect by Electron Paramagnetic Resonance. <i>ChemPhysChem</i> , 2012, 13, 3542-3548.	1.0	10
117	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, 9081-9086.	1.7	24
118	Alkoxyamine Re-Formation Reaction. Effects of the Nitroxide Fragment: A Multiparameter Analysis.. <i>Journal of Organic Chemistry</i> , 2012, 77, 4996-5005.	1.7	28
119	Direct functionalization of labile alkoxyamines. <i>Tetrahedron Letters</i> , 2012, 53, 4543-4547.	0.7	7
120	Aminomethylation of Michael Acceptors: Complementary Radical and Polar Approaches Mediated by Dialkylzincs. <i>Chemistry - A European Journal</i> , 2012, 18, 3241-3247.	1.7	25
121	³¹ P-Fragmentation of Tertiary Alkoxy Radicals: G3(MP2)RAD and Natural Bond Orbital Investigations. <i>ChemPhysChem</i> , 2012, 13, 703-707.	1.0	3
122	<i>In vivo</i> high-resolution 3D Overhauser-enhanced MRI in mice at 0.2%T. <i>Contrast Media and Molecular Imaging</i> , 2012, 7, 45-50.	0.4	28
123	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, 152-157.	2.0	34
124	Time-Resolved and Pulse EPR Study of Triplet States of Alkylketones in ² -Cyclodextrin. <i>Applied Magnetic Resonance</i> , 2012, 42, 29-40.	0.6	8
125	Linear-Free Energy Relationships for Modeling Structure-Reactivity Trends in Controlled Radical Polymerization. <i>Macromolecules</i> , 2011, 44, 7568-7583.	2.2	69
126	First proton triggered C=ON bond homolysis in alkoxyamines. <i>Chemical Communications</i> , 2011, 47, 4291.	2.2	50

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127	Kinetic subtleties of nitroxide mediated polymerization. <i>Chemical Society Reviews</i> , 2011, 40, 2189.	18.7	161
128	Tyrosine-Targeted Spin Labeling and EPR Spectroscopy: An Alternative Strategy for Studying Structural Transitions in Proteins. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 9108-9111.	7.2	44
129	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, 1586-1595.	1.7	43
130	Role of the alkyl fragment of initiating alkoxyamine in nitroxide mediated polymerization of styrene. <i>Polymer Science - Series B</i> , 2010, 52, 327-338.	0.3	10
131	A Step Towards High-Molecular-Weight Living/Controlled Polystyrene Using SG-Mediated Polymerization. <i>Macromolecular Reaction Engineering</i> , 2010, 4, 403-414.	0.9	15
132	Linear Free-Energy Relationships for the Alkyl Radical Affinities of Nitroxides: A Theoretical Study. <i>Macromolecules</i> , 2010, 43, 3728-3743.	2.2	47
133	Polypropylene degradation: Theoretical and experimental investigations. <i>Polymer Degradation and Stability</i> , 2010, 95, 782-791.	2.7	53
134	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.	2.0	11
135	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.	2.0	9
136	Imidazoline-N-oxyl: A DFT Study of Its Protonation Reaction. <i>ChemPhysChem</i> , 2009, 10, 2419-2428.	1.0	2
137	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.	0.6	9
138	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	39
139	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.	2.2	8
140	New Concepts in Molecular Imaging: Non-Invasive MRI Spotting of Proteolysis Using an Overhauser Effect Switch. <i>PLoS ONE</i> , 2009, 4, e5244.	1.1	28
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