

Marco Lucarini

List of Publications by Year in descending order

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87888

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Bond Dissociation Energies of O-H Bonds in Substituted Phenols from Equilibration Studies. <i>Journal of Organic Chemistry</i> , 1996, 61, 9259-9263.	3.2	280
2	Hydroxylamines as Oxidation Catalysts: Thermochemical and Kinetic Studies. <i>Journal of Organic Chemistry</i> , 2003, 68, 1747-1754.	3.2	238
3	Bond Dissociation Enthalpy of .alpha.-Tocopherol and Other Phenolic Antioxidants. <i>Journal of Organic Chemistry</i> , 1994, 59, 5063-5070.	3.2	176
4	Bond Dissociation Energies of the N-H Bond and Rate Constants for the Reaction with Alkyl, Alkoxy, and Peroxyl Radicals of Phenothiazines and Related Compounds. <i>Journal of the American Chemical Society</i> , 1999, 121, 11546-11553.	13.7	166
5	Organocatalytic Enantioselective Alkylation of Aldehydes with [Fe(bpy) ₃]Br ₂ Catalyst and Visible Light. <i>ACS Catalysis</i> , 2015, 5, 5927-5931.	11.2	148
6	Determination of the Substituent Effect on the O-H Bond Dissociation Enthalpies of Phenolic Antioxidants by the EPR Radical Equilibration Technique. <i>Journal of Organic Chemistry</i> , 2002, 67, 4828-4832.	3.2	145
7	E-cigarettes induce toxicological effects that can raise the cancer risk. <i>Scientific Reports</i> , 2017, 7, 2028.	3.3	130
8	Free radical intermediates in the inhibition of the autoxidation reaction. <i>Chemical Society Reviews</i> , 2010, 39, 2106.	38.1	122
9	Bond Dissociation Enthalpies of Polyphenols: The Importance of Cooperative Effects. <i>Journal of Organic Chemistry</i> , 2002, 67, 928-931.	3.2	117
10	Hydrogen-Bonding Effects on the Properties of Phenoxyl Radicals. An EPR, Kinetic, and Computational Study. <i>Journal of the American Chemical Society</i> , 2003, 125, 8318-8329.	13.7	117
11	Aerobic Oxidation of Benzyl Alcohols Catalyzed by Aryl Substituted N-Hydroxyphthalimides. Possible Involvement of a Charge-Transfer Complex. <i>Journal of Organic Chemistry</i> , 2004, 69, 3431-3438.	3.2	96
12	A Critical Evaluation of the Factors Determining the Effect of Intramolecular Hydrogen Bonding on the O-H Bond Dissociation Enthalpy of Catechol and of Flavonoid Antioxidants. <i>Chemistry - A European Journal</i> , 2004, 10, 933-939.	3.3	85
13	Reactivity of Substituted Phenols Toward Alkyl Radicals. <i>Journal of the American Chemical Society</i> , 1999, 121, 507-514.	13.7	83
14	Effect of Core Size on the Partition of Organic Solutes in the Monolayer of Water-Soluble Nanoparticles: An ESR Investigation. <i>Journal of the American Chemical Society</i> , 2005, 127, 16384-16385.	13.7	81
15	Antioxidant Activity of Bisphenols: The Role of Intramolecular Hydrogen Bonding. <i>Journal of Organic Chemistry</i> , 2003, 68, 5198-5204.	3.2	77
16	EPR Study of Dialkyl Nitroxides as Probes to Investigate the Exchange of Solutes between the Ligand Shell of Monolayers of Protected Gold Nanoparticles and Aqueous Solutions. <i>Journal of the American Chemical Society</i> , 2004, 126, 9326-9329.	13.7	75
17	Water-Soluble Gold Nanoparticles Protected by Fluorinated Amphiphilic Thiolates. <i>Journal of the American Chemical Society</i> , 2008, 130, 15678-15682.	13.7	75
18	Dynamic Aspects of Cyclodextrin Host-Guest Inclusion as Studied by an EPR Spin-Probe Technique. <i>Chemistry - A European Journal</i> , 1999, 5, 2048-2054.	3.3	73

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19	Nitroxide Radicals as Probes for Exploring the Binding Properties of the Cucurbit[7]uril Host. <i>Chemistry - A European Journal</i> , 2007, 13, 7223-7233.	3.3	70
20	Antioxidant Activity of Hydroxystilbene Derivatives in Homogeneous Solution. <i>Journal of Organic Chemistry</i> , 2004, 69, 7101-7107.	3.2	69
21	Mechanistic insights into two-photon-driven photocatalysis in organic synthesis. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 8071-8076.	2.8	69
22	Homolytic Reactivity of Group 14 Organometallic Hydrides toward Nitroxides. <i>Journal of Organic Chemistry</i> , 1998, 63, 1687-1693.	3.2	66
23	Noncovalent paramagnetic complexes: detection of halogen bonding in solution by ESR spectroscopy. <i>Tetrahedron Letters</i> , 2006, 47, 3265-3269.	1.4	63
24	Formation of Patches on 3D SAMs Driven by Thiols with Immiscible Chains Observed by ESR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 3060-3064.	13.8	61
25	A Quantitative Approach to the Recycling of $\hat{\text{I}}^{\pm}$ -Tocopherol by Coantioxidants. <i>Journal of Organic Chemistry</i> , 2002, 67, 9295-9303.	3.2	60
26	Nitroxide Radicals as Hydrogen Bonding Acceptors. An Infrared and EPR Study.. <i>ChemPhysChem</i> , 2002, 3, 789-793.	2.1	55
27	Autoxidation of Poly(hydrosilane)s. <i>Organometallics</i> , 1998, 17, 2169-2176.	2.3	53
28	Combining Magnetic Resonance Spectroscopies, Mass Spectrometry, and Molecular Dynamics: $\hat{\text{A}}$ Investigation of Chiral Recognition by 2,6-di-O-Methyl- $\hat{\text{I}}^2$ -cyclodextrin. <i>Journal of the American Chemical Society</i> , 2004, 126, 4343-4354.	13.7	53
29	Unraveling Unidirectional Threading of $\hat{\text{I}}^{\pm}$ -Cyclodextrin in a [2]Rotaxane through Spin Labeling Approach. <i>Journal of the American Chemical Society</i> , 2012, 134, 19108-19117.	13.7	53
30	Thermochemical and Kinetic Studies of a Bisphenol Antioxidant. <i>Journal of Organic Chemistry</i> , 2001, 66, 5456-5462.	3.2	50
31	An EPR Investigation of the Kinetics of Inclusion of a Persistent Radical in Water-Soluble Calix[4]arenes. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 263-265.	13.8	49
32	Increasing the Persistency of Stable Free-Radicals: Synthesis and Characterization of a Nitroxide Based [1]Rotaxane. <i>Organic Letters</i> , 2008, 10, 1901-1904.	4.6	48
33	ESR spectroscopy as a tool to investigate the properties of self-assembled monolayers protecting gold nanoparticles. <i>Nanoscale</i> , 2010, 2, 668.	5.6	48
34	Molecule-induced homolysis of N-hydroxyphthalimide (NHPI) by peracids and dioxirane. A new, simple, selective aerobic radical epoxidation of alkenes. <i>Tetrahedron Letters</i> , 2006, 47, 1421-1424.	1.4	47
35	Use of Nitroxide Radicals to Investigate Supramolecular Entities. <i>Current Organic Chemistry</i> , 2004, 8, 1831-1849.	1.6	46
36	Do Peroxyl Radicals Obey the Principle That Kinetic Solvent Effects on H-Atom Abstraction Are Independent of the Nature of the Abstracting Radical?. <i>Journal of Organic Chemistry</i> , 1998, 63, 4497-4499.	3.2	43

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37	A comment on the use of triethylsilane as a radical-based reducing agent. <i>Journal of Organic Chemistry</i> , 1993, 58, 249-251.	3.2	42
38	Addition Reactions of Tris(trimethylsilyl)germyl Radicals to Unsaturated Compounds. An EPR and Product Study. <i>Journal of Organic Chemistry</i> , 1997, 62, 8009-8014.	3.2	41
39	Self-Organization of Mixtures of Fluorocarbon and Hydrocarbon Amphiphilic Thiolates on the Surface of Gold Nanoparticles. <i>ACS Nano</i> , 2012, 6, 7243-7253.	14.6	40
40	Aerobic Oxidation of Alkylaromatics using a Lipophilic N -Hydroxyphthalimide: Overcoming the Industrial Limit of Catalyst Solubility. <i>ChemSusChem</i> , 2014, 7, 2695-2703.	6.8	39
41	Electron spin resonance imaging of polymer degradation and stabilization. <i>Progress in Polymer Science</i> , 2003, 28, 331-340.	24.7	38
42	SOMO \rightarrow HOMO Conversion in Distonic Radical Anions: An Experimental Test in Solution by EPR Radical Equilibration Technique. <i>Journal of the American Chemical Society</i> , 2014, 136, 1250-1252.	13.7	37
43	Gold nanoparticles protected by fluorinated ligands for ^{19}F MRI. <i>Chemical Communications</i> , 2013, 49, 8794.	4.1	36
44	Sunlight Induced Oxidative Photoactivation of N -Hydroxyphthalimide Mediated by Naphthalene Imides. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 3210-3220.	4.3	34
45	Proteins as supramolecular hosts for C_{60} : a true solution of C_{60} in water. <i>Nanoscale</i> , 2018, 10, 9908-9916.	5.6	33
46	Preparation and Characterisation of a New Inclusion Compound of Cucurbit[8]uril with a Nitroxide Radical. <i>Chemistry - A European Journal</i> , 2009, 15, 7859-7862.	3.3	32
47	Remote electrochemical modulation of pK_a in a rotaxane by co-conformational allostery. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 9385-9390.	7.1	32
48	Redox cycling of adrenaline and adrenochrome catalysed by mitochondrial Complex I. <i>Archives of Biochemistry and Biophysics</i> , 2006, 447, 167-173.	3.0	31
49	Synthesis and Characterization of a Persistent Paramagnetic Rotaxane Based on β -Cyclodextrin. <i>Journal of Organic Chemistry</i> , 2006, 71, 3773-3777.	3.2	30
50	Recyclable Catalyst Reservoir: Oxidation of Alcohols Mediated by Noncovalently Supported Bis(imidazolium)-tagged 2,2,6,6-tetramethylpiperidine 1 -Oxyl. <i>ChemCatChem</i> , 2013, 5, 2991-2999.	3.7	29
51	Medium effects on the antioxidant activity of dipyridamole. <i>Free Radical Biology and Medicine</i> , 1999, 26, 295-302.	2.9	28
52	Carboazidation of Chiral Allylsilanes: Experimental and Theoretical Investigations. <i>Chemistry - A European Journal</i> , 2008, 14, 2744-2756.	3.3	28
53	Fullerene as a Platform for Recyclable TEMPO Organocatalysts for the Oxidation of Alcohols. <i>ChemCatChem</i> , 2014, 6, 2419-2424.	3.7	28
54	Reactions of tris(trimethylsilyl)silyl radicals with nitro alkanes. EPR, kinetic, and product studies. <i>Journal of Organic Chemistry</i> , 1992, 57, 948-952.	3.2	27

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55	A facile hydroxylation of arylboronic acids mediated by sodium ascorbate. <i>Organic Chemistry Frontiers</i> , 2018, 5, 1573-1578.	4.5	27
56	2-Cyano-2-phenylpropanoic Acid Triggers the Back and Forth Motions of an Acid-Base-Operated Paramagnetic Molecular Switch. <i>Journal of Organic Chemistry</i> , 2019, 84, 9364-9368.	3.2	27
57	Reactions of Substituted Boryl Radicals with Nitroalkanes. EPR, Kinetic, and Product Studies. <i>Journal of Organic Chemistry</i> , 1996, 61, 4309-4313.	3.2	26
58	EPR spectroscopic characterisation of transient organic radicals included in cyclodextrins. <i>Chemical Communications</i> , 1996, , 1577.	4.1	25
59	Homolytic Reactivity of Ligated Boranes toward Alkyl, Alkoxy, and Peroxyl Radicals. <i>Journal of Organic Chemistry</i> , 1996, 61, 1161-1164.	3.2	25
60	Nitroxide biradicals as thread units in paramagnetic cucurbituril-based rotaxanes. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 2920.	2.8	25
61	Hydrogen Atom Transfer (HAT) Processes Promoted by the Quinolinimide- <i>N</i> -oxyl Radical. A Kinetic and Theoretical Study. <i>Journal of Organic Chemistry</i> , 2017, 82, 6133-6141.	3.2	25
62	Rate constants for the reaction of acyl radicals with Bu ₃ SnH and (TMS) ₃ SiH. <i>Tetrahedron Letters</i> , 1995, 36, 1299-1302.	1.4	24
63	Capillary electrophoretic study on the interaction between sodium dodecyl sulfate and neutral cyclodextrins. <i>Mikrochimica Acta</i> , 2010, 171, 23-31.	5.0	24
64	The EPR study of dialkyl nitroxides as probes to investigate the exchange of solutes between micellar and water phases. <i>Research on Chemical Intermediates</i> , 2002, 28, 131-141.	2.7	23
65	Gold nanoparticles as drug carriers: a contribution to the quest for basic principles for monolayer design. <i>Journal of Materials Chemistry B</i> , 2015, 3, 432-439.	5.8	23
66	A Cation-Directed Switch of Intermolecular Spin-Spin Interaction of Guanosine Derivatives Functionalized with Open-Shell Units. <i>Organic Letters</i> , 2008, 10, 1739-1742.	4.6	22
67	Geometrical Isomerization and Restricted Rotation in Iminoxyl Radicals from Benzaldoximes. <i>Journal of Organic Chemistry</i> , 1994, 59, 1980-1983.	3.2	21
68	Spin-Labeling of Host-Guest Assemblies with Nitroxide Radicals. <i>Asian Journal of Organic Chemistry</i> , 2015, 4, 296-310.	2.7	20
69	Reversible Mechanical Switching of Magnetic Interactions in a Molecular Shuttle. <i>ChemistryOpen</i> , 2015, 4, 18-21.	1.9	20
70	Detection of Paramagnetic pH-Dependent Inclusion Complexes between β -Cyclodextrin Dimers and Nitroxide Radicals. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 1842-1845.	13.8	19
71	End-to-End Distance Determination in a Cucurbit[6]uril-Based Rotaxane by PELDOR Spectroscopy. <i>ChemPhysChem</i> , 2012, 13, 2659-2661.	2.1	19
72	Novel rearrangement of N-(9H-carbazol-9-yl)arylaminy radicals. <i>Journal of Organic Chemistry</i> , 1993, 58, 2419-2423.	3.2	18

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73	The determination of the oxygen consumption in autoxidation studies by means of EPR spectroscopy. <i>Research on Chemical Intermediates</i> , 1996, 22, 1-14.	2.7	18
74	An EPR method for measuring the rate of distribution of organic substrates between cyclodextrin, micelles and water. <i>Chemical Communications</i> , 2008, , 1311.	4.1	17
75	X-band EPR imaging of polymers irradiated with UV light. <i>Research on Chemical Intermediates</i> , 1996, 22, 581-591.	2.7	16
76	Synthesis and Characterization of Constitutionally Isomeric Oriented Calix[6]arene-Based Rotaxanes. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 1033-1042.	2.4	16
77	EPR Properties of Two New Cyclic Phosphinylhydrazil Radicals and of Their Inclusion Complexes with Cyclodextrins. <i>Journal of Organic Chemistry</i> , 2000, 65, 2723-2727.	3.2	15
78	Time Evolution of the Concentration Profiles of HALS Stabilizers and of the Corresponding Oxidation Forms across Poly(propylene) Plaques Irradiated with UV-Visible Light. <i>Macromolecular Chemistry and Physics</i> , 2001, 202, 1246-1256.	2.2	15
79	Effect of Antioxidants on High-Temperature Stability of Renewable Bio-Oils Revealed by an Innovative Method for the Determination of Kinetic Parameters of Oxidative Reactions. <i>Antioxidants</i> , 2020, 9, 399.	5.1	15
80	EPR investigations of organic non-covalent assemblies with spin labels and spin probes. <i>Electron Paramagnetic Resonance</i> , 0, , 41-70.	0.2	15
81	Metal free in situ formation of phthalimide N-oxyl radicals by light-induced homolysis of N-alkoxyphthalimides. <i>Tetrahedron Letters</i> , 2007, 48, 5331-5334.	1.4	14
82	Spin-Labelled Pillar[5]arene as Paramagnetic Host for Supramolecular Assemblies. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 147-151.	2.4	14
83	Synthesis and characterization of spin-labelled [2]rotaxanes containing tetrathiafulvalene and 1,5-dioxynaphthalene molecular stations. <i>Organic Chemistry Frontiers</i> , 2014, 1, 477.	4.5	14
84	Nitroxide Radical Spin Probes for Exploring Halogen-Bonding Interactions in Solution. <i>Chemistry - A European Journal</i> , 2016, 22, 16017-16021.	3.3	14
85	Disruption of redox homeostasis and carcinogen metabolizing enzymes changes by administration of vitamin E to rats. <i>Life Sciences</i> , 2016, 145, 166-173.	4.3	14
86	Hierarchical Growth of Supramolecular Structures Driven by Pimerization of Tetrahedrally Arranged Bipyridinium Units. <i>Chemistry - A European Journal</i> , 2017, 23, 6380-6390.	3.3	14
87	The Binding Behavior of Cyclodextrins toward a Nitroxide Spin Probe in the Presence of Different Alcohols As Studied by EPR. <i>Journal of Physical Chemistry A</i> , 2008, 112, 8706-8714.	2.5	13
88	Electron reduction processes of nitrothiophenes. A systematic approach by DFT computations, cyclic voltammetry and E-ESR spectroscopy. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 7986.	2.8	13
89	Unburned Tobacco Cigarette Smoke Alters Rat Ultrastructural Lung Airways and DNA. <i>Nicotine and Tobacco Research</i> , 2021, 23, 2127-2134.	2.6	13
90	Effects of N-acetylcysteine on human ovarian tissue preservation undergoing cryopreservation procedure. <i>Histology and Histopathology</i> , 2015, 30, 725-35.	0.7	13

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91	Hydrogen Bonding Affects the Persistency of Alkyl Peroxy Radicals. <i>Organic Letters</i> , 2007, 9, 2725-2728.	4.6	12
92	Redox-Switchable Calix[6]arene-Based Isomeric Rotaxanes. <i>Chemistry - A European Journal</i> , 2018, 24, 12370-12382.	3.3	12
93	Synthesis and Characterisation of a Paramagnetic [2]Rotaxane Based on a Crown Ether-Like Wheel Incorporating a Nitroxide Motif. <i>Chemistry - A European Journal</i> , 2018, 24, 1198-1203.	3.3	12
94	An EPR study of the reaction of tetrabutylammonium borohydride with N-Heterocycles. <i>Journal of Organometallic Chemistry</i> , 1995, 494, 123-131.	1.8	11
95	Solution Structure of the Inclusion Complexes between Cyclodextrins and Dialkylamines: An NMR Study. <i>European Journal of Organic Chemistry</i> , 2000, 2000, 3927-3930.	2.4	11
96	Kinetic control of the direction of inclusion of nitroxide radicals into cyclodextrins. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 6396.	2.8	11
97	Structural Changes of a Doubly Spin-Labeled Chemically Driven Molecular Shuttle Probed by PELDOR Spectroscopy. <i>Chemistry - A European Journal</i> , 2016, 22, 8745-8750.	3.3	11
98	Self-Assembled Hexadecanitroxide. <i>Organic Letters</i> , 2009, 11, 3004-3007.	4.6	10
99	Supramolecular Control of Spin Exchange in a Spin-Labeled [2]Rotaxane Incorporating a Tetrathiafulvalene Unit. <i>Chemistry - A European Journal</i> , 2015, 21, 2775-2779.	3.3	10
100	Synthesis and properties of a redox-switchable calix[6]arene-based molecular lasso. <i>Organic Chemistry Frontiers</i> , 2020, 7, 648-659.	4.5	10
101	Improving Spin Probe Methodologies to Investigate Supramolecular Assemblies. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 2995-3008.	2.4	9
102	Synthesis and characterization of a paramagnetic receptor based on cyclobis(paraquat-p-phenylene) tetracation. <i>Tetrahedron Letters</i> , 2008, 49, 4784-4787.	1.4	7
103	EPR sensing of metal and organic cations using a novel spin-labelled dibenzo-24-crown-8-ether. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 3558-3563.	2.8	5
104	Comparative spectroscopic and electrochemical study of N-1 or N-2-alkylated 4-nitro and 7-nitroindazoles. <i>Arabian Journal of Chemistry</i> , 2017, 10, 823-836.	4.9	4
105	Synthesis and characterization of a doubly spin-labelled electrochemically driven molecular shuttle. <i>Organic Chemistry Frontiers</i> , 2018, 5, 1579-1585.	4.5	4
106	Spin-labelled mechanically interlocked molecules as models for the interpretation of biradical EPR spectra. <i>Chemical Science</i> , 2021, 12, 8385-8393.	7.4	4
107	Thiolate end-group regulates ligand arrangement, hydration and affinity for small compounds in monolayer-protected gold nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2022, 607, 1373-1381.	9.4	4
108	Cyclopentadienone-NHC iron(0) complexes as low valent electrocatalysts for water oxidation. <i>Catalysis Science and Technology</i> , 2021, 11, 1407-1418.	4.1	4

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109	Determination of Binding Strengths of Host-Guest Complexes in Deep Eutectic Solvents Using Spin Probe Methodology. <i>ChemPhysChem</i> , 2021, 22, 517-521.	2.1	3
110	A multidisciplinary study of chemico-physical properties of different classes of 2-aryl-5(or) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (Chemistry, 2021, 14, 103179.	4.9	3
111	Spectroscopic and Electrochemical Properties of 1- or 2-alkyl Substituted 5- and 6-Nitroindazoles. <i>Current Organic Chemistry</i> , 2015, 19, 1526-1537.	1.6	3
112	Deuterium Incorporation Protects Cells from Oxidative Damage. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-13.	4.0	2
113	An electrochemically controlled supramolecular zip tie based on host-guest chemistry of CB[8]. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 5228-5233.	2.8	2
114	Title is missing!. <i>Angewandte Chemie</i> , 2003, 115, 1886-1889.	2.0	1
115	Synthesis and characterization of a persistent paramagnetic rotaxane based on β -cyclodextrin and α -alkyl disulfides. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2007, 57, 179-183.	1.6	1
116	Reversible Mechanical Switching of Magnetic Interactions in a Molecular Shuttle. <i>ChemistryOpen</i> , 2015, 4, 2-2.	1.9	0