Marco Lucarini

List of Publications by Year
in descending order

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116	4,757	87888	110387
papers	citations	38 h-index	64 g-index

123	123	123	4730
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Thiolate end-group regulates ligand arrangement, hydration and affinity for small compounds in monolayer-protected gold nanoparticles. Journal of Colloid and Interface Science, 2022, 607, 1373-1381.	9.4	4
2	Spin-labelled mechanically interlocked molecules as models for the interpretation of biradical EPR spectra. Chemical Science, 2021, 12, 8385-8393.	7.4	4
3	Determination of Binding Strengths of Hostâ€Guest Complexes in Deep Eutectic Solvents Using Spin Probe Methodology. ChemPhysChem, 2021, 22, 517-521.	2.1	3
4	Unburned Tobacco Cigarette Smoke Alters Rat Ultrastructural Lung Airways and DNA. Nicotine and Tobacco Research, 2021, 23, 2127-2134.	2.6	13
5	A multidisciplinary study of chemico-physical properties of different classes of 2-aryl-5(or) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 Chemistry, 2021, 14, 103179.	4.9	3
6	Cyclopentadienoneâ€“NHC iron(0) complexes as low valent electrocatalysts for water oxidation. Catalysis Science and Technology, 2021, 11, 1407-1418.	4.1	4
7	Synthesis and properties of a redox-switchable calix[6]arene-based molecular lasso. Organic Chemistry Frontiers, 2020, 7, 648-659.	4.5	10
8	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. Antioxidants, 2020, 9, 399.	5.1	15
9	An electrochemically controlled supramolecular zip tie based on hostâ€“guest chemistry of CB[8]. Organic and Biomolecular Chemistry, 2020, 18, 5228-5233.	2.8	2
10	Improving Spin Probe Methodologies to Investigate Supramolecular Assemblies. European Journal of Organic Chemistry, 2020, 2020, 2995-3008.	2.4	9
11	Deuterium Incorporation Protects Cells from Oxidative Damage. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-13.	4.0	2
12	2-Cyano-2-phenylpropanoic Acid Triggers the Back and Forth Motions of an Acidâ€“Base-Operated Paramagnetic Molecular Switch. Journal of Organic Chemistry, 2019, 84, 9364-9368.	3.2	27
13	EPR sensing of metal and organic cations using a novel spin-labelled dibenzo-24-crown-8-ether. Physical Chemistry Chemical Physics, 2019, 21, 3558-3563.	2.8	5
14	A facile hydroxylation of arylboronic acids mediated by sodium ascorbate. Organic Chemistry Frontiers, 2018, 5, 1573-1578.	4.5	27
15	Mechanistic insights into two-photon-driven photocatalysis in organic synthesis. Physical Chemistry Chemical Physics, 2018, 20, 8071-8076.	2.8	69
16	Synthesis and characterization of a doubly spin-labelled electrochemically driven molecular shuttle. Organic Chemistry Frontiers, 2018, 5, 1579-1585.	4.5	4
17	Redoxâ€Switchable Calix[6]areneâ€Based Isomeric Rotaxanes. Chemistry - A European Journal, 2018, 24, 12370-12382.	3.3	12
18	Remote electrochemical modulation of pK _a in a rotaxane by co-conformational allostery. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 9385-9390.	7.1	32

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19	Proteins as supramolecular hosts for C₆₀: a true solution of C₆₀ in water. Nanoscale, 2018, 10, 9908-9916.	5.6	33
20	Synthesis and Characterisation of a Paramagnetic [2]Rotaxane Based on a Crown Etherâ€Like Wheel Incorporating a Nitroxide Motif. Chemistry - A European Journal, 2018, 24, 1198-1203.	3.3	12
21	Comparative spectroscopic and electrochemical study of N-1 or N-2-alkylated 4-nitro and 7-nitroindazoles. Arabian Journal of Chemistry, 2017, 10, 823-836.	4.9	4
22	Hierarchical Growth of Supramolecular Structures Driven by Pimerization of Tetrahedrally Arranged Bipyridinium Units. Chemistry - A European Journal, 2017, 23, 6380-6390.	3.3	14
23	Hydrogen Atom Transfer (HAT) Processes Promoted by the Quinolinimide-N-oxyl Radical. A Kinetic and Theoretical Study. Journal of Organic Chemistry, 2017, 82, 6133-6141.	3.2	25
24	E-cigarettes induce toxicological effects that can raise the cancer risk. Scientific Reports, 2017, 7, 2028.	3.3	130
25	Synthesis and Characterization of Constitutionally Isomeric Oriented Calix[6]areneâ€Based Rotaxanes. European Journal of Organic Chemistry, 2016, 2016, 1033-1042.	2.4	16
26	Structural Changes of a Doubly Spinâ€Labeled Chemically Driven Molecular Shuttle Probed by PELDOR Spectroscopy. Chemistry - A European Journal, 2016, 22, 8745-8750.	3.3	11
27	Nitroxide Radical Spin Probes for Exploring Halogenâ€Bonding Interactions in Solution. Chemistry - A European Journal, 2016, 22, 16017-16021.	3.3	14
28	Disruption of redox homeostasis and carcinogen metabolizing enzymes changes by administration of vitamin E to rats. Life Sciences, 2016, 145, 166-173.	4.3	14
29	Spinâ€Labelling of Hostâ€Guest Assemblies with Nitroxide Radicals. Asian Journal of Organic Chemistry, 2015, 4, 296-310.	2.7	20
30	Reversible Mechanical Switching of Magnetic Interactions in a Molecular Shuttle. ChemistryOpen, 2015, 4, 2-2.	1.9	0
31	Organocatalytic Enantioselective Alkylation of Aldehydes with [Fe(bpy)₃]Br₂ Catalyst and Visible Light. ACS Catalysis, 2015, 5, 5927-5931.	11.2	148
32	Gold nanoparticles as drug carriers: a contribution to the quest for basic principles for monolayer design. Journal of Materials Chemistry B, 2015, 3, 432-439.	5.8	23
33	Supramolecular Control of Spin Exchange in a Spinâ€Labelled [2]Rotaxane Incorporating a Tetrathiafulvalene Unit. Chemistry - A European Journal, 2015, 21, 2775-2779.	3.3	10
34	Reversible Mechanical Switching of Magnetic Interactions in a Molecular Shuttle. ChemistryOpen, 2015, 4, 18-21.	1.9	20
35	Effects of N-acetylcysteine on human ovarian tissue preservation undergoing cryopreservation procedure. Histology and Histopathology, 2015, 30, 725-35.	0.7	13
36	Spectroscopic and Electrochemical Properties of 1- or 2-alkyl Substituted 5- and 6-Nitroindazoles. Current Organic Chemistry, 2015, 19, 1526-1537.	1.6	3

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37	Spinâ€Labelled Pillar[5]arene as Paramagnetic Host for Supramolecular Assemblies. European Journal of Organic Chemistry, 2014, 2014, 147-151.	2.4	14
38	Synthesis and characterization of spin-labelled [2]rotaxanes containing tetrathiafulvalene and 1,5-dioxynaphthalene molecular stations. Organic Chemistry Frontiers, 2014, 1, 477.	4.5	14
39	Aerobic Oxidation of Alkylaromatics using a Lipophilic Nâ€Hydroxyphthalimide: Overcoming the Industrial Limit of Catalyst Solubility. ChemSusChem, 2014, 7, 2695-2703.	6.8	39
40	Fullerene as a Platform for Recyclable TEMPO Organocatalysts for the Oxidation of Alcohols. ChemCatChem, 2014, 6, 2419-2424.	3.7	28
41	SOMOâ€“HOMO Conversion in Distonic Radical Anions: An Experimental Test in Solution by EPR Radical Equilibration Technique. Journal of the American Chemical Society, 2014, 136, 1250-1252.	13.7	37
42	Gold nanoparticles protected by fluorinated ligands for 19F MRI. Chemical Communications, 2013, 49, 8794.	4.1	36
43	Sunlight Induced Oxidative Photoactivation of Nâ€Hydroxyphthalimide Mediated by Naphthalene Imides. Advanced Synthesis and Catalysis, 2013, 355, 3210-3220.	4.3	34
44	Recyclable Catalyst Reservoir: Oxidation of Alcohols Mediated by Noncovalently Supported Bis(imidazolium)â€Tagged 2,2,6,6â€Tetramethylpiperidine 1â€Oxyl. ChemCatChem, 2013, 5, 2991-2999.	3.7	29
45	Unraveling Unidirectional Threading of Î±-Cyclodextrin in a [2]Rotaxane through Spin Labeling Approach. Journal of the American Chemical Society, 2012, 134, 19108-19117.	13.7	53
46	Electron reduction processes of nitrothiophenes. A systematic approach by DFT computations, cyclic voltammetry and E-ESR spectroscopy. Organic and Biomolecular Chemistry, 2012, 10, 7986.	2.8	13
47	Self-Organization of Mixtures of Fluorocarbon and Hydrocarbon Amphiphilic Thiolates on the Surface of Gold Nanoparticles. ACS Nano, 2012, 6, 7243-7253.	14.6	40
48	Endâ€toâ€End Distance Determination in a Cucurbit[6]urilâ€Based Rotaxane by PELDOR Spectroscopy. ChemPhysChem, 2012, 13, 2659-2661.	2.1	19
49	Kinetic control of the direction of inclusion of nitroxide radicals into cyclodextrins. Organic and Biomolecular Chemistry, 2011, 9, 6396.	2.8	11
50	Nitroxide biradicals as thread units in paramagnetic cucurbituril-based rotaxanes. Organic and Biomolecular Chemistry, 2011, 9, 2920.	2.8	25
51	ESR spectroscopy as a tool to investigate the properties of self-assembled monolayers protecting gold nanoparticles. Nanoscale, 2010, 2, 668.	5.6	48
52	Free radical intermediates in the inhibition of the autoxidation reaction. Chemical Society Reviews, 2010, 39, 2106.	38.1	122
53	Capillary electrophoretic study on the interaction between sodium dodecyl sulfate and neutral cyclodextrins. Mikrochimica Acta, 2010, 171, 23-31.	5.0	24
54	Preparation and Characterisation of a New Inclusion Compound of Cucurbit[8]uril with a Nitroxide Radical. Chemistry - A European Journal, 2009, 15, 7859-7862.	3.3	32

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55	Formation of Patches on 3D SAMs Driven by Thiols with Immiscible Chains Observed by ESR Spectroscopy. Angewandte Chemie - International Edition, 2009, 48, 3060-3064.	13.8	61
56	Self-Assembled Hexadecanitroxide. Organic Letters, 2009, 11, 3004-3007.	4.6	10
57	Carboazidation of Chiral Allylsilanes: Experimental and Theoretical Investigations. Chemistry - A European Journal, 2008, 14, 2744-2756.	3.3	28
58	Synthesis and characterization of a paramagnetic receptor based on cyclobis(paraquat-p-phenylene) tetracation. Tetrahedron Letters, 2008, 49, 4784-4787.	1.4	7
59	Water-Soluble Gold Nanoparticles Protected by Fluorinated Amphiphilic Thiolates. Journal of the American Chemical Society, 2008, 130, 15678-15682.	13.7	75
60	An EPR method for measuring the rate of distribution of organic substrates between cyclodextrin, micelles and water. Chemical Communications, 2008, , 1311.	4.1	17
61	A Cation-Directed Switch of Intermolecular Spinâ^'Spin Interaction of Guanosine Derivatives Functionalized with Open-Shell Units. Organic Letters, 2008, 10, 1739-1742.	4.6	22
62	The Binding Behavior of Cyclodextrins toward a Nitroxide Spin Probe in the Presence of Different Alcohols As Studied by EPR. Journal of Physical Chemistry A, 2008, 112, 8706-8714.	2.5	13
63	Increasing the Persistency of Stable Free-Radicals: Synthesis and Characterization of a Nitroxide Based [1]Rotaxane. Organic Letters, 2008, 10, 1901-1904.	4.6	48
64	Hydrogen Bonding Affects the Persistency of Alkyl Peroxy Radicals. Organic Letters, 2007, 9, 2725-2728.	4.6	12
65	Nitroxide Radicals as Probes for Exploring the Binding Properties of the Cucurbit[7]uril Host. Chemistry - A European Journal, 2007, 13, 7223-7233.	3.3	70
66	Metal free in situ formation of phthalimide N-oxyl radicals by light-induced homolysis of N-alkoxyphthalimides. Tetrahedron Letters, 2007, 48, 5331-5334.	1.4	14
67	Synthesis and characterization of a persistent paramagnetic rotaxane based on Î±-cyclodextrin and Î±,Ï‰-alkyl disulfides. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2007, 57, 179-183.	1.6	1
68	Synthesis and Characterization of a Persistent Paramagnetic Rotaxane Based on Î±-Cyclodextrin. Journal of Organic Chemistry, 2006, 71, 3773-3777.	3.2	30
69	Redox cycling of adrenaline and adrenochrome catalysed by mitochondrial Complex I. Archives of Biochemistry and Biophysics, 2006, 447, 167-173.	3.0	31
70	Molecule-induced homolysis of N-hydroxyphthalimide (NHPI) by peracids and dioxirane. A new, simple, selective aerobic radical epoxidation of alkenes. Tetrahedron Letters, 2006, 47, 1421-1424.	1.4	47
71	Noncovalent paramagnetic complexes: detection of halogen bonding in solution by ESR spectroscopy. Tetrahedron Letters, 2006, 47, 3265-3269.	1.4	63
72	Effect of Core Size on the Partition of Organic Solutes in the Monolayer of Water-Soluble Nanoparticles:Â An ESR Investigation. Journal of the American Chemical Society, 2005, 127, 16384-16385.	13.7	81

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73	Combining Magnetic Resonance Spectroscopies, Mass Spectrometry, and Molecular Dynamics:Â Investigation of Chiral Recognition by 2,6-di-O-Methyl-Î²-cyclodextrin. Journal of the American Chemical Society, 2004, 126, 4343-4354.	13.7	53
74	Antioxidant Activity of Hydroxystilbene Derivatives in Homogeneous Solution. Journal of Organic Chemistry, 2004, 69, 7101-7107.	3.2	69
75	Aerobic Oxidation of Benzyl Alcohols Catalyzed by Aryl SubstitutedN-Hydroxyphthalimides. Possible Involvement of a Charge-Transfer Complex. Journal of Organic Chemistry, 2004, 69, 3431-3438.	3.2	96
76	A Critical Evaluation of the Factors Determining the Effect of Intramolecular Hydrogen Bonding on the Oï£¿H Bond Dissociation Enthalpy of Catechol and of Flavonoid Antioxidants. Chemistry - A European Journal, 2004, 10, 933-939.	3.3	85
77	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. Journal of the American Chemical Society, 2004, 126, 9326-9329.	13.7	75
78	Use of Nitroxide Radicals to Investigate Supramolecular Entities. Current Organic Chemistry, 2004, 8, 1831-1849.	1.6	46
79	Hydroxylamines as Oxidation Catalysts:Â Thermochemical and Kinetic Studies. Journal of Organic Chemistry, 2003, 68, 1747-1754.	3.2	238
80	Title is missing!. Angewandte Chemie, 2003, 115, 1886-1889.	2.0	1
81	Detection of Paramagnetic pH-Dependent Inclusion Complexes between Î²-Cyclodextrin Dimers and Nitroxide Radicals. Angewandte Chemie - International Edition, 2003, 42, 1842-1845.	13.8	19
82	Electron spin resonance imaging of polymer degradation and stabilization. Progress in Polymer Science, 2003, 28, 331-340.	24.7	38
83	Hydrogen-Bonding Effects on the Properties of Phenoxyl Radicals. An EPR, Kinetic, and Computational Study. Journal of the American Chemical Society, 2003, 125, 8318-8329.	13.7	117
84	Antioxidant Activity ofo-Bisphenols:Â the Role of Intramolecular Hydrogen Bonding. Journal of Organic Chemistry, 2003, 68, 5198-5204.	3.2	77
85	The EPR study of dialkyl nitroxides as probes to investigate the exchange of solutes between micellar and water phases. Research on Chemical Intermediates, 2002, 28, 131-141.	2.7	23
86	A Quantitative Approach to the Recycling of Î±-Tocopherol by Coantioxidants. Journal of Organic Chemistry, 2002, 67, 9295-9303.	3.2	60
87	Determination of the Substituent Effect on the Oâˆ’H Bond Dissociation Enthalpies of Phenolic Antioxidants by the EPR Radical Equilibration Technique. Journal of Organic Chemistry, 2002, 67, 4828-4832.	3.2	145
88	Bond Dissociation Enthalpies of Polyphenols:Â The Importance of Cooperative Effects. Journal of Organic Chemistry, 2002, 67, 928-931.	3.2	117
89	Nitroxide Radicals as Hydrogen Bonding Acceptors. An Infrared and EPR Study.. ChemPhysChem, 2002, 3, 789-793.	2.1	55
90	Time Evolution of the Concentration Profiles of HALS Stabilizers and of the Corresponding Oxidation Forms across Poly(propylene) Plaques Irradiated with UV-Visible Light. Macromolecular Chemistry and Physics, 2001, 202, 1246-1256.	2.2	15

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91	Thermochemical and Kinetic Studies of a Bisphenol Antioxidant. Journal of Organic Chemistry, 2001, 66, 5456-5462.	3.2	50
92	EPR Properties of Two New Cyclic Phosphinylhydrazyl Radicals and of Their Inclusion Complexes with Cyclodextrins. Journal of Organic Chemistry, 2000, 65, 2723-2727.	3.2	15
93	An EPR Investigation of the Kinetics of Inclusion of a Persistent Radical in Water-Soluble Calix[4]arenes. Angewandte Chemie - International Edition, 2000, 39, 263-265.	13.8	49
94	Solution Structure of the Inclusion Complexes between Cyclodextrins and Dialkylamines: An NMR Study. European Journal of Organic Chemistry, 2000, 2000, 3927-3930.	2.4	11
95	Reactivity of Substituted Phenols Toward Alkyl Radicals. Journal of the American Chemical Society, 1999, 121, 507-514.	13.7	83
96	Medium effects on the antioxidant activity of dipyridamole. Free Radical Biology and Medicine, 1999, 26, 295-302.	2.9	28
97	Dynamic Aspects of Cyclodextrin Host-Guest Inclusion as Studied by an EPR Spin-Probe Technique. Chemistry - A European Journal, 1999, 5, 2048-2054.	3.3	73
98	Bond Dissociation Energies of the Nâˆ’H Bond and Rate Constants for the Reaction with Alkyl, Alkoxyl, and Peroxyl Radicals of Phenothiazines and Related Compounds. Journal of the American Chemical Society, 1999, 121, 11546-11553.	13.7	166
99	Homolytic Reactivity of Group 14 Organometallic Hydrides toward Nitroxides. Journal of Organic Chemistry, 1998, 63, 1687-1693.	3.2	66
100	Do Peroxyl Radicals Obey the Principle That Kinetic Solvent Effects on H-Atom Abstraction Are Independent of the Nature of the Abstracting Radical?. Journal of Organic Chemistry, 1998, 63, 4497-4499.	3.2	43
101	Autoxidation of Poly(hydrosilane)s. Organometallics, 1998, 17, 2169-2176.	2.3	53
102	Addition Reactions of Tris(trimethylsilyl)germyl Radicals to Unsaturated Compounds. An EPR and Product Study. Journal of Organic Chemistry, 1997, 62, 8009-8014.	3.2	41
103	EPR spectroscopic characterisation of transient organic radicals included in cyclodextrins. Chemical Communications, 1996, , 1577.	4.1	25
104	Homolytic Reactivity of Ligated Boranes toward Alkyl, Alkoxyl, and Peroxyl Radicals. Journal of Organic Chemistry, 1996, 61, 1161-1164.	3.2	25
105	Reactions of Substituted Boryl Radicals with Nitroalkanes. EPR, Kinetic, and Product Studies. Journal of Organic Chemistry, 1996, 61, 4309-4313.	3.2	26
106	Bond Dissociation Energies of Oâˆ’H Bonds in Substituted Phenols from Equilibration Studies. Journal of Organic Chemistry, 1996, 61, 9259-9263.	3.2	280
107	X-band EPR imaging of polymers irradiated with UV light. Research on Chemical Intermediates, 1996, 22, 581-591.	2.7	16
108	The determination of the oxygen consumption in autoxidation studies by means of EPR spectroscopy. Research on Chemical Intermediates, 1996, 22, 1-14.	2.7	18

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109	An EPR study of the reaction of tetrabutylammonium borohydride with N-Heterocycles. Journal of Organometallic Chemistry, 1995, 494, 123-131.	1.8	11
110	Rate constants for the reaction of acyl radicals with Bu3SnH and (TMS)3SiH. Tetrahedron Letters, 1995, 36, 1299-1302.	1.4	24
111	Geometrical Isomerization and Restricted Rotation in Iminoxyl Radicals from Benzaldoximes. Journal of Organic Chemistry, 1994, 59, 1980-1983.	3.2	21
112	Bond Dissociation Enthalpy of .alpha.-Tocopherol and Other Phenolic Antioxidants. Journal of Organic Chemistry, 1994, 59, 5063-5070.	3.2	176
113	A comment on the use of triethylsilane as a radical-based reducing agent. Journal of Organic Chemistry, 1993, 58, 249-251.	3.2	42
114	Novel rearrangement of N-(9H-carbazol-9-yl)arylaminyl radicals. Journal of Organic Chemistry, 1993, 58, 2419-2423.	3.2	18
115	Reactions of tris(trimethylsilyl)silyl radicals with nitro alkanes. EPR, kinetic, and product studies. Journal of Organic Chemistry, 1992, 57, 948-952.	3.2	27
116	EPR investigations of organic non-covalent assemblies with spin labels and spin probes. Electron Paramagnetic Resonance, 0, , 41-70.	0.2	15