

Cristian Gambarotti

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4259552/publications.pdf>

Version: 2024-02-01

59
papers

1,353
citations

331670

21
h-index

361022

35
g-index

71
all docs

71
docs citations

71
times ranked

1674
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanisms of the Aerobic Oxidation of Alcohols to Aldehydes and Ketones, Catalysed under Mild Conditions by Persistent and Non-Persistent Nitroxyl Radicals and Transition Metal Salts [~] Polar, Enthalpic, and Captodative Effects. <i>European Journal of Organic Chemistry</i> , 2004, 2004, 109-119.	2.4	138
2	Synthesis and Characterization of Some Aza[5]helicenes. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 1247-1257.	2.4	79
3	Sonication-Induced Modification of Carbon Nanotubes: Effect on the Rheological and Thermo-Oxidative Behaviour of Polymer-Based Nanocomposites. <i>Materials</i> , 2018, 11, 383.	2.9	75
4	Monoaza[5]helicenes. Part 2: Synthesis, characterisation and theoretical calculations. <i>Tetrahedron</i> , 2006, 62, 139-148.	1.9	66
5	Solvent and Temperature Effects in the Free Radical Aerobic Oxidation of Alkyl and Acyl Aromatics Catalysed by Transition Metal Salts and N-Hydroxyphthalimide: A New Processes for the Synthesis of p-Hydroxybenzoic Acid, Diphenols, and Dienes for Liquid Crystals and Cross-Linked Polymers. <i>Organic Process Research and Development</i> , 2004, 8, 163-168.	2.7	61
6	Heat-Resistant Fully Bio-Based Nanocomposite Blends Based on Poly(lactic acid). <i>Macromolecular Materials and Engineering</i> , 2014, 299, 31-40.	3.6	60
7	Hydroperoxidation of Tertiary Alkylaromatics Catalyzed By N-Hydroxyphthalimide and Aldehydes under Mild Conditions. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 147-154.	4.3	55
8	Sunlight-induced reactions of some heterocyclic bases with ethers in the presence of TiO ₂ . <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2005, 171, 237-242.	3.9	48
9	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
10	A novel, selective free-radical carbamoylation of heteroaromatic bases by Ce(IV) oxidation of formamide, catalysed by N-hydroxyphthalimide. <i>Chemical Communications</i> , 2002, , 2496-2497.	4.1	45
11	Functionalization of multi-walled carbon nanotubes with perfluoropolyether peroxide to produce superhydrophobic properties. <i>Carbon</i> , 2013, 59, 150-159.	10.3	43
12	Selective functionalisation of hydrocarbons by nitric acid and aerobic oxidation catalysed by N-hydroxyphthalimide and iodine under mild conditions. <i>Tetrahedron Letters</i> , 2003, 44, 6919-6922.	1.4	42
13	Polar effects in free radical reactions. A novel homolytic acylation of heteroaromatic bases by aerobic oxidation of aldehydes, catalysed by N-hydroxyphthalimide and Co salts. <i>Journal of Heterocyclic Chemistry</i> , 2003, 40, 325-328.	2.6	35
14	Recent Developments in Nucleophilic Radical Addition to Imines: the Key Role of Transition Metals and the New Porta Radical-Type Version of the Mannich and Strecker Reactions. <i>Mini-Reviews in Organic Chemistry</i> , 2009, 6, 184-195.	1.3	34
15	TiO ₂ in Organic Photosynthesis: Sunlight Induced Functionalization of Heterocyclic Bases. <i>Current Organic Chemistry</i> , 2010, 14, 1153-1169.	1.6	34
16	Selective catalytic aerobic oxidation of substituted ethylbenzenes under mild conditions. <i>Journal of Molecular Catalysis A</i> , 2012, 355, 155-160.	4.8	31
17	New Selective Metal-Free Oxidations of Primary Alcohols by HNO ₃ or HNO ₃ and O ₂ , Catalyzed by Br ₂ . <i>Synlett</i> , 2004, 2004, 2203-2205.	1.8	26
18	A New, Convenient, Highly Selective Free-Radical Hydroxymethylation of Heteroaromatic Bases by Persulfate Oxidation of Ethylene Glycol and Glycerol, Catalysed by AgNO ₃ . <i>Synlett</i> , 2004, 2004, 0874-0876.	1.8	26

#	ARTICLE	IF	CITATIONS
19	A Novel Efficient Deoxygenation Process for N-Heteroarene N-Oxides. <i>Journal of Organic Chemistry</i> , 2005, 70, 3218-3224.	3.2	26
20	Sunlight-induced functionalisation reactions of heteroaromatic bases with aldehydes in the presence of TiO ₂ : A hypothesis on the mechanism. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2007, 189, 322-328.	3.9	26
21	New free-radical halogenations of alkanes, catalysed by N-hydroxyphthalimide. Polar and enthalpic effects on the chemo- and regioselectivity. <i>Tetrahedron Letters</i> , 2004, 45, 1607-1609.	1.4	24
22	Efficient and Green Telescoped Process to 2-Methoxy-3-methyl-[1,4]benzoquinone. <i>Journal of Organic Chemistry</i> , 2006, 71, 1703-1706.	3.2	21
23	Functionalization of aliphatic polyesters by nitroxide radical coupling. <i>Polymer Chemistry</i> , 2014, 5, 5656.	3.9	20
24	One-pot synthesis of aryloxypropanediols from glycerol: towards valuable chemicals from renewable sources. <i>Green Chemistry</i> , 2013, 15, 625.	9.0	19
25	Synthesis of Methoxy-Substituted Phenols by Peracid Oxidation of the Aromatic Ring. <i>Journal of Organic Chemistry</i> , 2005, 70, 7290-7296.	3.2	18
26	Tunable radical scavenging activity of carbon nanotubes through sonication. <i>Carbon</i> , 2016, 107, 240-247.	10.3	18
27	A green approach to the amidation of heterocyclic bases: the use of sunlight and air. <i>Research on Chemical Intermediates</i> , 2007, 33, 311-317.	2.7	17
28	Advanced ultra-high molecular weight polyethylene/antioxidant-functionalized carbon nanotubes nanocomposites with improved thermo-oxidative resistance. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	16
29	Pyrone Synthesis from Renewable Sources: Easy Preparation of 3-Acetoxy-2-hydroxypyran-6-carboxylic Salts and their Derivatives as 3-Hydroxypyran-2-one from C6 Aldaric Acids. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 241-251.	2.6	16
30	Continuous flow synthesis of the iodination agent 1,3-diiodo-5,5-dimethyl-imidazolidine-2,4-dione telescoped with semi-continuous product isolation. <i>Reaction Chemistry and Engineering</i> , 2016, 1, 379-386.	3.7	13
31	Grafting of polymer chains on the surface of carbon nanotubes via nitroxide radical coupling reaction. <i>Polymer International</i> , 2016, 65, 48-56.	3.1	13
32	New, Simple and Selective Synthesis of Perfluoroalkylquinones by Perfluoroalkyl Radicals - Enthalpic and Polar Effects. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 4434-4440.	2.4	12
33	Proteomic investigation on bio-corona of functionalized multi-walled carbon nanotubes. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 2293-2303.	2.4	11
34	O ₂ -Mediated Photocatalytic Functionalization of Organic Compounds: Recent Advances Towards Greener Synthetic Routes. <i>Current Organic Chemistry</i> , 2013, 17, 2406-2419.	1.6	11
35	Revisiting the Minisci Reaction: New Mild Amidoalkylation of Benzo-Fused N-Heteroaromatic Bases under Metal-Free Conditions. <i>Organic Process Research and Development</i> , 2019, 23, 1450-1457.	2.7	10
36	Synthesis of Functionalized Aromatic Carboxylic Acids from Biosourced 3-Hydroxy-2-pyrones through a Base-Promoted Domino Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 11152-11161.	6.7	10

#	ARTICLE	IF	CITATIONS
37	Free-radical selective functionalization of 1,4-naphthoquinones by perfluorodiacyl peroxides. <i>Tetrahedron</i> , 2014, 70, 5298-5309.	1.9	9
38	Advanced nano-hybrids for thermo-oxidative-resistant nanocomposites. <i>Journal of Materials Science</i> , 2016, 51, 6955-6966.	3.7	8
39	Carbon nanotubes-based nanohybrids for multifunctional nanocomposites. <i>Journal of King Saud University - Science</i> , 2017, 29, 502-509.	3.5	8
40	Improvement of oxidation resistance of polymer-based nanocomposites through sonication of carbonaceous nanoparticles. <i>Ultrasonics Sonochemistry</i> , 2020, 61, 104807.	8.2	8
41	Proteomic fingerprinting of protein corona formed on PEGylated multi-walled carbon nanotubes. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021, 1163, 122504.	2.3	8
42	Proteomic exploration of soft and hard biocorona onto PEGylated multiwalled carbon nanotubes. <i>Biotechnology and Applied Biochemistry</i> , 2021, 68, 1003-1013.	3.1	6
43	Selective Aerobic Radical Epoxidation of α -Olefins Catalyzed by N-Hydroxyphthalimide. , 2008, , 217-229.		5
44	The Baeyer-Villiger oxidation versus aromatic ring hydroxylation: competing organic peracid oxidation mechanisms explored by multivariate modelling of designed multi-response experiments. <i>Journal of Physical Organic Chemistry</i> , 2015, 28, 619-628.	1.9	5
45	Photocatalytic Minisci Reaction. , 2015, , 339-352.		5
46	Silanol-POSS as dispersing agents for carbon nanotubes in polyamide. <i>Polymer Engineering and Science</i> , 2017, 57, 588-594.	3.1	5
47	Carbazomycin G: Method Development and Total Synthesis. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 1984-1992.	2.4	5
48	Comparison of Branched and Linear Perfluoropolyether Chains Functionalization on Hydrophobic, Morphological and Conductive Properties of Multi-Walled Carbon Nanotubes. <i>Nanomaterials</i> , 2018, 8, 176.	4.1	5
49	Reactivity of benzyl radicals: The trapping of primary, secondary and tertiary benzyl radicals with heterocyclic bases. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2010, 214, 112-114.	3.9	4
50	Immobilization of natural anti-oxidants on carbon nanotubes and aging behavior of ultra-high molecular weight polyethylene-based nanocomposites. , 2014, , .		4
51	Amino-TEMPO Grafted on Magnetic Multi-Walled Nanotubes: An Efficient and Recyclable Heterogeneous Oxidation Catalyst. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 1405-1412.	2.4	4
52	Recent advances in photocatalytic Minisci reaction: an eco-friendly functionalization of biologically relevant heteroarenes. , 2021, , 189-206.		3
53	Flame behaviour of magnesium and aluminium hydroxide-filled polymer composites used in power and telecom cables. <i>Plastics, Rubber and Composites</i> , 2022, 51, 185-195.	2.0	3
54	Semiconductors in Organic Photosynthesis. , 0, , .		2

#	ARTICLE	IF	CITATIONS
55	Unveiling the Bio-corona Fingerprinting of Potential Anticancer Carbon Nanotubes Coupled with d-Amino Acid Oxidase. <i>Molecular Biotechnology</i> , 2022, 64, 1164-1176.	2.4	2
56	A Novel, Selective Free-Radical Carbamoylation of Heteroaromatic Bases by Ce(IV) Oxidation of Formamide, Catalyzed by N-Hydroxyphthalimide.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
57	Selective Functionalization of Hydrocarbons by Nitric Acid and Aerobic Oxidation Catalyzed by N-Hydroxyphthalimide and Iodine under Mild Conditions.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
58	New Selective Metal-Free Oxidations of Primary Alcohols by HNO ₃ or HNO ₃ and O ₂ , Catalyzed by Br ₂ .. <i>ChemInform</i> , 2005, 36, no.	0.0	0
59	Synthesis of Methoxy-Substituted Phenols by Peroxidation of the Aromatic Ring.. <i>ChemInform</i> , 2006, 37, no.	0.0	0