Cristian Gambarotti

List of Publications by Year
in descending order

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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	Flame behaviour of magnesium and aluminium hydroxide-filled polymer composites used in power and telecom cables. Plastics, Rubber and Composites, 2022, 51, 185-195.	2.0	3
2	Unveiling the Bio-corona Fingerprinting of Potential Anticancer Carbon Nanotubes Coupled with d-Amino Acid Oxidase. Molecular Biotechnology, 2022, 64, 1164-1176.	2.4	2
3	Proteomic exploration of soft and hard biocorona onto PEGylated multiwalled carbon nanotubes. Biotechnology and Applied Biochemistry, 2021, 68, 1003-1013.	3.1	6
4	Proteomic fingerprinting of protein corona formed on PEGylated multi-walled carbon nanotubes. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2021, 1163, 122504.	2.3	8
5	Recent advances in photocatalytic Minisci reaction: an eco-friendly functionalization of biologically relevant heteroarenes. , 2021, , 189-206.		3
6	Improvement of oxidation resistance of polymer-based nanocomposites through sonication of carbonaceous nanoparticles. Ultrasonics Sonochemistry, 2020, 61, 104807.	8.2	8
7	Pyrone Synthesis from Renewable Sources: Easy Preparation of 3â€Acetoxyâ€2â€oxoâ€2Hâ€pyranâ€6â€carboxylic Salts and their Derivatives as 3â€Hydroxyâ€2Hâ€pyranâ€2â€one from C6 Aldaric Acids. European Journal of Organic Chemistry, 2020, 2020, 241-251.		
8	Synthesis of Functionalized Aromatic Carboxylic Acids from Biosourced 3-Hydroxy-2-pyrones through a Base-Promoted Domino Reaction. ACS Sustainable Chemistry and Engineering, 2020, 8, 11152-11161.	6.7	10
9	Revisiting the Minisci Reaction: New Mild Amidoalkylation of Benzo-FusedN-Heteroaromatic Bases under Metal-Free Conditions. Organic Process Research and Development, 2019, 23, 1450-1457.	2.7	10
10	Aminoâ€TEMPO Grafted on Magnetic Multiâ€Walled Nanotubes: An Efficient and Recyclable Heterogeneous Oxidation Catalyst. European Journal of Organic Chemistry, 2019, 2019, 1405-1412.	2.4	4
11	Carbazomycin G: Method Development and Total Synthesis. European Journal of Organic Chemistry, 2018, 2018, 1984-1992.	2.4	5
12	Comparison of Branched and Linear Perfluoropolyether Chains Functionalization on Hydrophobic, Morphological and Conductive Properties of Multi-Walled Carbon Nanotubes. Nanomaterials, 2018, 8, 176.	4.1	5
13	Sonication-Induced Modification of Carbon Nanotubes: Effect on the Rheological and Thermo-Oxidative Behaviour of Polymer-Based Nanocomposites. Materials, 2018, 11, 383.	2.9	75
14	Proteomic investigation on bio-corona of functionalized multiÂwalled carbon nanotubes. Biochimica Et Biophysica Acta - General Subjects, 2018, 1862, 2293-2303.	2.4	11
15	Silanolâ€<scp>POSS</scp> as dispersing agents for carbon nanotubes in polyamide. Polymer Engineering and Science, 2017, 57, 588-594.	3.1	5
16	Carbon nanotubes-based nanohybrids for multifunctional nanocomposites. Journal of King Saud University - Science, 2017, 29, 502-509.	3.5	8
17	Advanced nano-hybrids for thermo-oxidative-resistant nanocomposites. Journal of Materials Science, 2016, 51, 6955-6966.	3.7	8
18	Continuous flow synthesis of the iodination agent 1,3-diiodo-5,5-dimethyl-imidazolidine-2,4-dione telescoped with semi-continuous product isolation. Reaction Chemistry and Engineering, 2016, 1, 379-386.	3.7	13

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19	Tunable radical scavenging activity of carbon nanotubes through sonication. Carbon, 2016, 107, 240-247.	10.3	18
20	Grafting of polymer chains on the surface of carbon nanotubes via nitroxide radical coupling reaction. Polymer International, 2016, 65, 48-56.	3.1	13
21	Advanced ultraâ€high molecular weight polyethylene/antioxidantâ€functionalized carbon nanotubes nanocomposites with improved thermoâ€oxidative resistance. Journal of Applied Polymer Science, 2015, 132, .	2.6	16
22	The Baeyerâ€Villiger oxidation versus aromatic ring hydroxylation: competing organic peracid oxidation mechanisms explored by multivariate modelling of designed multiâ€response experiments. Journal of Physical Organic Chemistry, 2015, 28, 619-628.	1.9	5
23	Photocatalytic Minisci Reaction. , 2015, , 339-352.		5
24	Immobilization of natural anti-oxidants on carbon nanotubes and aging behavior of ultra-high molecular weight polyethylene-based nanocomposites. , 2014, , .		4
25	Heat-Resistant Fully Bio-Based Nanocomposite Blends Based on Poly(lactic acid). Macromolecular Materials and Engineering, 2014, 299, 31-40.	3.6	60
26	Functionalization of aliphatic polyesters by nitroxide radical coupling. Polymer Chemistry, 2014, 5, 5656.	3.9	20
27	Free-radical selective functionalization of 1,4-naphthoquinones by perfluorodiacyl peroxides. Tetrahedron, 2014, 70, 5298-5309.	1.9	9
28	One-pot synthesis of aryloxypropanediols from glycerol: towards valuable chemicals from renewable sources. Green Chemistry, 2013, 15, 625.	9.0	19
29	Functionalization of multi-walled carbon nanotubes with perfluoropolyether peroxide to produce superhydrophobic properties. Carbon, 2013, 59, 150-159.	10.3	43
30	O₂-Mediated Photocatalytic Functionalization of Organic Compounds: Recent Advances Towards Greener Synthetic Routes. Current Organic Chemistry, 2013, 17, 2406-2419.	1.6	11
31	Selective catalytic aerobic oxidation of substituted ethylbenzenes under mild conditions. Journal of Molecular Catalysis A, 2012, 355, 155-160.	4.8	31
32	Hydroperoxidation of Tertiary Alkylaromatics Catalyzed By Nâ€Hydroxyphthalimide and Aldehydes under Mild Conditions. Advanced Synthesis and Catalysis, 2011, 353, 147-154.	4.3	55
33	TiO2 in Organic Photosynthesis: Sunlight Induced Functionalization of Heterocyclic Bases. Current Organic Chemistry, 2010, 14, 1153-1169.	1.6	34
34	Reactivity of benzyl radicals: The trapping of primary, secondary and tertiary benzyl radicals with heterocyclic bases. Journal of Photochemistry and Photobiology A: Chemistry, 2010, 214, 112-114.	3.9	4
35	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. Mini-Reviews in Organic Chemistry, 2009, 6, 184-195.	1.3	34
36	Selective Aerobic Radical Epoxidation of Î±-Olefins Catalyzed by N-Hydroxyphthalimide. , 2008, , 217-229.		5

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37	Sunlight-induced functionalisation reactions of heteroaromatic bases with aldehydes in the presence of TiO2: A hypothesis on the mechanism. Journal of Photochemistry and Photobiology A: Chemistry, 2007, 189, 322-328.	3.9	26
38	A green approach to the amidation of heterocyclic bases: the use of sunlight and air. Research on Chemical Intermediates, 2007, 33, 311-317.	2.7	17
39	Efficient and Green Telescoped Process to 2-Methoxy-3-methyl-[1,4]benzoquinone. Journal of Organic Chemistry, 2006, 71, 1703-1706.	3.2	21
40	Monoaza[5]helicenes. Part 2: Synthesis, characterisation and theoretical calculations. Tetrahedron, 2006, 62, 139-148.	1.9	66
41	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
42	Synthesis of Methoxy-Substituted Phenols by Peracid Oxidation of the Aromatic Ring.. ChemInform, 2006, 37, no.	0.0	0
43	Sunlight-induced reactions of some heterocyclic bases with ethers in the presence of TiO2. Journal of Photochemistry and Photobiology A: Chemistry, 2005, 171, 237-242.	3.9	48
44	Synthesis of Methoxy-Substituted Phenols by Peracid Oxidation of the Aromatic Ring. Journal of Organic Chemistry, 2005, 70, 7290-7296.	3.2	18
45	Synthesis and Characterization of Some Aza[5]helicenes. European Journal of Organic Chemistry, 2005, 2005, 1247-1257.	2.4	79
46	New, Simple and Selective Synthesis of Perfluoroalkylquinones by Perfluoroalkyl Radicals - Enthalpic and Polar Effects. European Journal of Organic Chemistry, 2005, 2005, 4434-4440.	2.4	12
47	New Selective Metal-Free Oxidations of Primary Alcohols by HNO3 or HNO3 and O2, Catalyzed by Br2.. ChemInform, 2005, 36, no.	0.0	0
48	A Novel Efficient Deoxygenation Process forN-HeteroareneN-Oxides. Journal of Organic Chemistry, 2005, 70, 3218-3224.	3.2	26
49	New Selective Metal-Free Oxidations of Primary Alcohols by HNO3or HNO3and O2, Catalyzed by Br2. Synlett, 2004, 2004, 2203-2205.	1.8	26
50	A New, Convenient, Highly Selective Free-Radical Hydroxymethylation of Heteroaromatic Bases by Persulfate Oxidation of Ethylene Glycol and Glycerol, Catalysed by AgNO3. Synlett, 2004, 2004, 0874-0876.	1.8	26
51	Solvent and Temperature Effects in the Free Radical Aerobic Oxidation of Alkyl and Acyl Aromatics Catalysed by Transition Metal Salts andN-Hydroxyphthalimide:Â New Processes for the Synthesis ofp-Hydroxybenzoic Acid, Diphenols, and Dienes for Liquid Crystals and Cross-Linked Polymers. Organic Process Research and Development, 2004, 8, 163-168.	2.7	61
52	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 Saltsâ" Polar, Enthalpic, and Captodative Effects. European Journal of Organic Chemistry, 2004, 2004, 109-119.	2.4	138
53	New free-radical halogenations of alkanes, catalysed by N-hydroxyphthalimide. Polar and enthalpic effects on the chemo- and regioselectivity. Tetrahedron Letters, 2004, 45, 1607-1609.	1.4	24
54	Polar effects in freeâ€radical reactions. A novel homolytic acylation of heteroaromatic bases by aerobic oxidation of aldehydes, catalysed by Nâ€hydroxyphthalimide and Co salts. Journal of Heterocyclic Chemistry, 2003, 40, 325-328.	2.6	35

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55	A Novel, Selective Free-Radical Carbamoylation of Heteroaromatic Bases by Ce(IV) Oxidation of Formamide, Catalyzed by N-Hydroxyphthalimide.. ChemInform, 2003, 34, no.	0.0	0
56	Selective Functionalization of Hydrocarbons by Nitric Acid and Aerobic Oxidation Catalyzed by N-Hydroxyphthalimide and Iodine under Mild Conditions.. ChemInform, 2003, 34, no.	0.0	0
57	Selective functionalisation of hydrocarbons by nitric acid and aerobic oxidation catalysed by N-hydroxyphthalimide and iodine under mild conditions. Tetrahedron Letters, 2003, 44, 6919-6922.	1.4	42
58	A novel, selective free-radical carbamoylation of heteroaromatic bases by Ce(iv) oxidation of formamide, catalysed by N-hydroxyphthalimide. Chemical Communications, 2002, , 2496-2497.	4.1	45
59	Semiconductors in Organic Photosynthesis. , 0, , .		2