

Paula S Branco

List of Publications by Citations

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76
papers

3,993
citations

31
h-index

62
g-index

107
ext. papers

4,305
ext. citations

5.8
avg, IF

5.48
L-index

#	Paper	IF	Citations
76	Nano-magnetite (Fe ₃ O ₄) as a support for recyclable catalysts in the development of sustainable methodologies. <i>Chemical Society Reviews</i> , 2013 , 42, 3371-93	58.5	962
75	Benign by design: catalyst-free in-water, on-water green chemical methodologies in organic synthesis. <i>Chemical Society Reviews</i> , 2013 , 42, 5522-51	58.5	487
74	Solvent-free and catalysts-free chemistry: a benign pathway to sustainability. <i>ChemSusChem</i> , 2014 , 7, 24-44	8.3	215
73	Regio- and chemoselective reduction of nitroarenes and carbonyl compounds over recyclable magnetic ferrite-nickel nanoparticles (Fe ₃ O ₄ -Ni) by using glycerol as a hydrogen source. <i>Chemistry - A European Journal</i> , 2012 , 18, 12628-32	4.8	152
72	Magnetite-supported sulfonic acid: a retrievable nanocatalyst for the Ritter reaction and multicomponent reactions. <i>Green Chemistry</i> , 2013 , 15, 1895	10	152
71	Magnetically recyclable magnetite-beria (Nanocat-Fe-Ce) nanocatalyst applications in multicomponent reactions under benign conditions. <i>Green Chemistry</i> , 2013 , 15, 1226	10	135
70	Synthesis and characterization of versatile MgO-ZrO ₂ mixed metal oxide nanoparticles and their applications. <i>Catalysis Science and Technology</i> , 2011 , 1, 1653	5.5	117
69	A facile synthesis of cysteine-ferrite magnetic nanoparticles for application in multicomponent reactions- sustainable protocol. <i>RSC Advances</i> , 2012 , 2, 6144	3.7	88
68	An efficient and expeditious Fmoc protection of amines and amino acids in aqueous media. <i>Green Chemistry</i> , 2011 , 13, 3355	10	84
67	Neurotoxicity mechanisms of thioether ecstasy metabolites. <i>Neuroscience</i> , 2007 , 146, 1743-57	3.9	84
66	First application of core-shell Ag@Ni magnetic nanocatalyst for transfer hydrogenation reactions of aromatic nitro and carbonyl compounds. <i>RSC Advances</i> , 2013 , 3, 1050-1054	3.7	78
65	Sustainable Utility of Magnetically Recyclable Nano-Catalysts in Water: Applications in Organic Synthesis. <i>Applied Sciences (Switzerland)</i> , 2013 , 3, 656-674	2.6	74
64	Catalytic applications of a versatile magnetically separable Fe-Mo (Nanocat-Fe-Mo) nanocatalyst. <i>Green Chemistry</i> , 2013 , 15, 682	10	72
63	Magnetically recyclable magnetite-palladium (Nanocat-Fe-Pd) nanocatalyst for the Buchwald-Hartwig reaction. <i>Green Chemistry</i> , 2014 , 16, 3494-3500	10	67
62	A Recyclable Ferrite-Co Magnetic Nanocatalyst for the Oxidation of Alcohols to Carbonyl Compounds. <i>ChemPlusChem</i> , 2012 , 77, 865-871	2.8	67
61	Convenient synthesis of 3-vinyl and 3-styryl coumarins. <i>Organic Letters</i> , 2011 , 13, 5112-5	6.2	67
60	Neurotoxicity of Ecstasy metabolites in rat cortical neurons, and influence of hyperthermia. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006 , 316, 53-61	4.7	64

59	Oxidation process of adrenaline in freshly isolated rat cardiomyocytes: formation of adrenochrome, quinoproteins, and GSH adduct. <i>Chemical Research in Toxicology</i> , 2007 , 20, 1183-91	4	52
58	Mixed metal MgO/ZrO ₂ nanoparticle-catalyzed O-tert-Boc protection of alcohols and phenols under solvent-free conditions. <i>Applied Organometallic Chemistry</i> , 2012 , 26, 395-400	3.1	48
57	Palladium(II)-promoted aziridination of olefins with bromamine T as the nitrogen transfer reagent. <i>Chemical Communications</i> , 2001 , 405-406	5.8	46
56	Pro-oxidant effects of Ecstasy and its metabolites in mouse brain synaptosomes. <i>British Journal of Pharmacology</i> , 2012 , 165, 1017-33	8.6	45
55	Synthesis of phenanthridines by radical Caryl-Caryl coupling. <i>Tetrahedron</i> , 1997 , 53, 269-284	2.4	42
54	Reactions of hydroxylamines with ethyl cyanofornate. preparation of aminonitrones and their synthetic applications.. <i>Tetrahedron</i> , 1992 , 48, 6335-6360	2.4	42
53	The mixture of "ecstasy" and its metabolites is toxic to human SH-SY5Y differentiated cells at in vivo relevant concentrations. <i>Archives of Toxicology</i> , 2014 , 88, 455-73	5.8	39
52	New syntheses of the amaryllidaceae alkaloids vasconine, assoanine, oxoassoanine, pratosine and ismine by radical cyclisation. <i>Tetrahedron</i> , 1997 , 53, 299-306	2.4	36
51	Influence of CYP2D6 polymorphism on 3,4-methylenedioxymethamphetamine (Ecstasy) cytotoxicity. <i>Pharmacogenetics and Genomics</i> , 2006 , 16, 789-99	1.9	36
50	Nano-MgO/ZrO ₂ mixed metal oxides: characterization by SIMS and application in the reduction of carbonyl compounds and in multicomponent reactions. <i>RSC Advances</i> , 2013 , 3, 3611	3.7	35
49	The chemistry and reactivity of aryl radicals in the C-C bond formation from o-bromobenzylphenylethers with tin hydride and azobisisobutyronitrile. <i>Tetrahedron</i> , 1997 , 53, 285-298	2.4	35
48	Natural product-like combinatorial libraries. <i>Journal of the Brazilian Chemical Society</i> , 2003 , 14, 675-712	1.5	34
47	Neurotoxicity of "ecstasy" and its metabolites in human dopaminergic differentiated SH-SY5Y cells. <i>Toxicology Letters</i> , 2013 , 216, 159-70	4.4	31
46	Molecules of natural origin, semi-synthesis and synthesis with anti-inflammatory and anticancer utilities. <i>Current Pharmaceutical Design</i> , 2012 , 18, 3979-4046	3.3	31
45	Secondary Metabolites and Biological Activity of Invasive Macroalgae of Southern Europe. <i>Marine Drugs</i> , 2018 , 16,	6	30
44	Disproportionation route to monodispersed copper nanoparticles for the catalytic synthesis of propargylamines. <i>RSC Advances</i> , 2013 , 3, 19812	3.7	27
43	Synthesis and Cyclic Voltammetry Studies of 3,4-Methylenedioxymethamphetamine (MDMA) Human Metabolites. <i>Journal of Health Science</i> , 2007 , 53, 31-42		25
42	Intramolecular addition of acyldiazene-carboxylates onto double bonds in the synthesis of heterocycles. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2002 , 513-528		24

41	"Ecstasy"-induced toxicity in SH-SY5Y differentiated cells: role of hyperthermia and metabolites. <i>Archives of Toxicology</i> , 2014 , 88, 515-31	5.8	23
40	The mixture of "ecstasy" and its metabolites impairs mitochondrial fusion/fission equilibrium and trafficking in hippocampal neurons, at in vivo relevant concentrations. <i>Toxicological Sciences</i> , 2014 , 139, 407-20	4.4	22
39	A Diels-Alder, retro-Diels-Alder approach to arcyriaflavin-A. <i>Tetrahedron Letters</i> , 1999 , 40, 3795-3796	2	19
38	Dual on-off and off-on switchable oligoaziridine biosensor. <i>Biosensors and Bioelectronics</i> , 2013 , 39, 64-9	11.8	18
37	Development of novel rifampicin-derived P-glycoprotein activators/inducers. synthesis, in silico analysis and application in the RBE4 cell model, using paraquat as substrate. <i>PLoS ONE</i> , 2013 , 8, e74425	3.7	18
36	Catalyst-free aziridination and unexpected homologation of aziridines from imines. <i>Organic and Biomolecular Chemistry</i> , 2010 , 8, 2968-74	3.9	17
35	Palladium(II) mediated aziridination of olefins with bromamine-T as the nitrogen source: scope and mechanism. <i>Tetrahedron</i> , 2007 , 63, 7009-7017	2.4	16
34	Gas chromatography-ion trap mass spectrometry method for the simultaneous measurement of MDMA (ecstasy) and its metabolites, MDA, HMA, and HMMA in plasma and urine. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2010 , 878, 815-22	3.2	15
33	Cross-functioning between the extraneuronal monoamine transporter and multidrug resistance protein 1 in the uptake of adrenaline and export of 5-(glutathion-S-yl)adrenaline in rat cardiomyocytes. <i>Chemical Research in Toxicology</i> , 2009 , 22, 129-135	4	14
32	Styryl and phenylethynyl based coumarin chromophores for dye sensitized solar cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018 , 353, 564-569	4.7	13
31	An efficient methodology for the synthesis of 3-styryl coumarins. <i>Journal of the Brazilian Chemical Society</i> , 2012 , 23, 688-693	1.5	13
30	Metabolic interactions between ethanol and MDMA in primary cultured rat hepatocytes. <i>Toxicology</i> , 2010 , 270, 150-7	4.4	11
29	New syntheses of DNA adducts from methylated anilines present in tobacco smoke. <i>Chemical Research in Toxicology</i> , 1999 , 12, 1223-33	4	11
28	Cytogenetic study of a sclerosing stromal tumor of the ovary. <i>Cancer Genetics and Cytogenetics</i> , 1990 , 49, 103-6		11
27	The Role of Spongia sp. in the Discovery of Marine Lead Compounds. <i>Marine Drugs</i> , 2016 , 14,	6	11
26	Toxicity of the amphetamine metabolites 4-hydroxyamphetamine and 4-hydroxynorephedrine in human dopaminergic differentiated SH-SY5Y cells. <i>Toxicology Letters</i> , 2017 , 269, 65-76	4.4	10
25	Ring Opening of 6-Azabicyclo[3.1.0]hex-3-en-2-ols in Water under Mild Conditions. <i>European Journal of Organic Chemistry</i> , 2016 , 2016, 2048-2053	3.2	10
24	Differentiation of isomeric C8-substituted alkylaniline adducts of guanine by electrospray ionization and tandem quadrupole ion trap mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2003 , 14, 1488-92	3.5	10

23	Low energy tandem mass spectrometry of deoxynucleoside adducts of polycyclic aromatic hydrocarbon dihydrodiol-epoxides. <i>Journal of the American Society for Mass Spectrometry</i> , 1995 , 6, 248-56 ³⁻⁵	9
22	New Methodology for the Synthesis of 3-Substituted Coumarins via Palladium-Catalyzed Site-Selective Cross-Coupling Reactions. <i>Synlett</i> , 2010 , 2010, 2918-2922	2.2 8
21	1-Aza-1,3-Diaza-3,3-Sigmatropic Rearrangements [A Convenient Synthesis of Benzimidazole Derivatives. <i>Tetrahedron Letters</i> , 1997 , 38, 3115-3118	2 8
20	Synthesis of catecholamine conjugates with nitrogen-centered bionucleophiles. <i>Bioorganic Chemistry</i> , 2012 , 44, 19-24	5.1 7
19	Developments in the Reactivity of 2-Methylimidazolium Salts. <i>Journal of Organic Chemistry</i> , 2017 , 82, 6232-6241	4.2 6
18	A comparative study of fatigue behaviour of MAG and laser welded components using reliability analysis. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 606, 31-39	5.3 6
17	N-Heterocyclic Olefin Catalysis for the Ring Opening of Cyclic Amidine Compounds: A Pathway to the Synthesis of ϵ -Caprolactam- and ϵ -Lactam-Derived Amines. <i>Journal of Organic Chemistry</i> , 2019 , 84, 3793-3800	4.2 6
16	Tofacitinib Synthesis [An Asymmetric Challenge. <i>European Journal of Organic Chemistry</i> , 2019 , 2019, 615-624	3.2 6
15	Hyperthermia Severely Affects the Vascular Effects of MDMA and Metabolites in the Human Internal Mammary Artery In Vitro. <i>Cardiovascular Toxicology</i> , 2017 , 17, 405-416	3.4 5
14	Synthesis of new hetero-arylidene-9(10H)-anthrone derivatives and their biological evaluation. <i>Bioorganic Chemistry</i> , 2020 , 99, 103849	5.1 5
13	Synthesis, Cytotoxicity Evaluation in Human Cell Lines and in Vitro DNA Interaction of a Hetero-Arylidene-9(10H)-Anthrone. <i>European Journal of Organic Chemistry</i> , 2018 , 2018, 545-549	3.2 5
12	Invasive Plants: Turning Enemies into Value. <i>Molecules</i> , 2020 , 25,	4.8 5
11	Incorporation of Coumarin-Based Fluorescent Monomers into Co-Oligomeric Molecules. <i>Polymers</i> , 2018 , 10,	4.5 4
10	Design of oligoaziridine-PEG coatings for efficient nanogold cellular biotagging. <i>RSC Advances</i> , 2015 , 5, 10733-10738	3.7 4
9	A Family of Styrylcoumarins: Synthesis, Spectroscopic, Photophysical and Photochemical Properties. <i>ChemPlusChem</i> , 2013 , 78, 789-792	2.8 4
8	Product ion studies of some novel arylamine adducts of deoxyguanosine by matrix-assisted laser desorption/ionization and post-source decay. <i>Rapid Communications in Mass Spectrometry</i> , 1999 , 13, 2004-10	2.2 4
7	Effects of acute bleeding followed by hydroxyethyl starch 130/0.4 or a crystalloid on propofol concentrations, cerebral oxygenation, and electroencephalographic and haemodynamic variables in pigs. <i>Veterinary Medicine International</i> , 2014 , 2014, 710394	1.5 3
6	Expression of CYP1A1 and CYP1A2 in the liver and kidney of rabbits after prolonged infusion of propofol. <i>Experimental and Toxicologic Pathology</i> , 2016 , 68, 521-531	3

5	A Different Approach to the EGFR Inhibitor Gefitinib Involving Solid-Phase Synthesis. <i>Synlett</i> , 2018 , 29, 1346-1350	2.2	2
4	Propofol and metabolites monitoring in serum of patients with induced sedation. <i>Toxicology Letters</i> , 2009 , 189, S113-S114	4.4	2
3	New 3-Ethynylaryl Coumarin-Based Dyes for DSSC Applications: Synthesis, Spectroscopic Properties, and Theoretical Calculations. <i>Molecules</i> , 2021 , 26,	4.8	1
2	Recent Advances in Sustainable Organocatalysis 2016 ,		1
1	Post-source decay production studies of aniline and methylaniline adducts of deoxyguanosine. <i>Analytica Chimica Acta</i> , 1999 , 397, 257-265	6.6	