

# Paula S Branco

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5895244/publications.pdf>

Version: 2024-02-01

81  
papers

4,640  
citations

136740

32  
h-index

98622

67  
g-index

107  
all docs

107  
docs citations

107  
times ranked

5509  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nano-magnetite (Fe <sub>3</sub> O <sub>4</sub> ) as a support for recyclable catalysts in the development of sustainable methodologies. <i>Chemical Society Reviews</i> , 2013, 42, 3371.	18.7	1,079
2	Benign by design: catalyst-free in-water, on-water green chemical methodologies in organic synthesis. <i>Chemical Society Reviews</i> , 2013, 42, 5522.	18.7	584
3	Solvent-free and Catalysts-free Chemistry: A Benign Pathway to Sustainability. <i>ChemSusChem</i> , 2014, 7, 24-44.	3.6	255
4	Regio- and Chemoselective Reduction of Nitroarenes and Carbonyl Compounds over Recyclable Magnetic Ferrite- $\gamma$ -Ni Nickel Nanoparticles (Fe <sub>3</sub> O <sub>4</sub> - $\gamma$ -Ni) by Using Glycerol as a Hydrogen Source. <i>Chemistry - A European Journal</i> , 2012, 18, 12628-12632.	1.7	175
5	Magnetite-supported sulfonic acid: a retrievable nanocatalyst for the Ritter reaction and multicomponent reactions. <i>Green Chemistry</i> , 2013, 15, 1895.	4.6	168
6	Magnetically recyclable magnetite-ceria (Nanocat-Fe-Ce) nanocatalyst applications in multicomponent reactions under benign conditions. <i>Green Chemistry</i> , 2013, 15, 1226.	4.6	147
7	Synthesis and characterization of versatile MgO-ZrO <sub>2</sub> mixed metal oxide nanoparticles and their applications. <i>Catalysis Science and Technology</i> , 2011, 1, 1653.	2.1	133
8	A facile synthesis of cysteine-ferrite magnetic nanoparticles for application in multicomponent reactions—a sustainable protocol. <i>RSC Advances</i> , 2012, 2, 6144.	1.7	99
9	Neurotoxicity mechanisms of thioether ecstasy metabolites. <i>Neuroscience</i> , 2007, 146, 1743-1757.	1.1	92
10	An efficient and expeditious Fmoc protection of amines and amino acids in aqueous media. <i>Green Chemistry</i> , 2011, 13, 3355.	4.6	90
11	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.	1.7	84
12	Sustainable Utility of Magnetically Recyclable Nano-Catalysts in Water: Applications in Organic Synthesis. <i>Applied Sciences (Switzerland)</i> , 2013, 3, 656-674.	1.3	81
13	Catalytic applications of a versatile magnetically separable Fe-Mo (Nanocat-Fe-Mo) nanocatalyst. <i>Green Chemistry</i> , 2013, 15, 682.	4.6	80
14	Convenient Synthesis of 3-Vinyl and 3-Styryl Coumarins. <i>Organic Letters</i> , 2011, 13, 5112-5115.	2.4	78
15	A Recyclable Ferrite-Co Magnetic Nanocatalyst for the Oxidation of Alcohols to Carbonyl Compounds. <i>ChemPlusChem</i> , 2012, 77, 865-871.	1.3	74
16	Neurotoxicity of Ecstasy Metabolites in Rat Cortical Neurons, and Influence of Hyperthermia. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006, 316, 53-61.	1.3	71
17	Magnetically recyclable magnetite-palladium (Nanocat-Fe-Pd) nanocatalyst for the Buchwald-Hartwig reaction. <i>Green Chemistry</i> , 2014, 16, 3494-3500.	4.6	70
18	Oxidation Process of Adrenaline in Freshly Isolated Rat Cardiomyocytes: Formation of Adrenochrome, Quinoproteins, and GSH Adduct. <i>Chemical Research in Toxicology</i> , 2007, 20, 1183-1191.	1.7	68

#	ARTICLE	IF	CITATIONS
19	Palladium(ii)-promoted aziridination of olefins with bromamine T as the nitrogen transfer reagent. <i>Chemical Communications</i> , 2001, , 405-406.	2.2	53
20	Mixed metal MgOâ€“ZrO<sub>2</sub> nanoparticleâ€“catalyzed Oâ€“i>tert</i>â€“Boc protection of alcohols and phenols under solventâ€“free conditions. <i>Applied Organometallic Chemistry</i> , 2012, 26, 395-400.	1.7	51
21	Proâ€“oxidant effects of Ecstasy and its metabolites in mouse brain synaptosomes. <i>British Journal of Pharmacology</i> , 2012, 165, 1017-1033.	2.7	51
22	Synthesis of phenanthridines by radical Carylâ€“Caryl coupling. <i>Tetrahedron</i> , 1997, 53, 269-284.	1.0	50
23	The chemistry and reactivity of aryl radicals â€” the Câ€“C bond formation from o-bromobenzylphenylethers with tin hydride and azobisisobutyronitrile. <i>Tetrahedron</i> , 1997, 53, 285-298.	1.0	47
24	Reactions of hydroxylamines with ethyl cyanofornate. preparation of aminonitrones and their synthetic applications.. <i>Tetrahedron</i> , 1992, 48, 6335-6360.	1.0	46
25	Secondary Metabolites and Biological Activity of Invasive Macroalgae of Southern Europe. <i>Marine Drugs</i> , 2018, 16, 265.	2.2	46
26	Natural product-like combinatorial libraries. <i>Journal of the Brazilian Chemical Society</i> , 2003, 14, 675-712.	0.6	45
27	The mixture of â€“ecstasyâ€“and its metabolites is toxic to human SH-SY5Y differentiated cells at in vivo relevant concentrations. <i>Archives of Toxicology</i> , 2014, 88, 455-473.	1.9	45
28	New syntheses of the amaryllidaceae alkaloids vasconine assoanine, oxoassoanine, pratosine and ismine by radical cyclisation. <i>Tetrahedron</i> , 1997, 53, 299-306.	1.0	44
29	Influence of CYP2D6 polymorphism on 3,4-methylenedioxyamphetamine (â€“Ecstasyâ€“™) cytotoxicity. <i>Pharmacogenetics and Genomics</i> , 2006, 16, 789-799.	0.7	44
30	Molecules of Natural Origin, Semi-synthesis and Synthesis with Anti-Inflammatory and Anticancer Utilities. <i>Current Pharmaceutical Design</i> , 2012, 18, 3979-4046.	0.9	42
31	Neurotoxicity of â€“ecstasyâ€“and its metabolites in human dopaminergic differentiated SH-SY5Y cells. <i>Toxicology Letters</i> , 2013, 216, 159-170.	0.4	39
32	Nano-MgOâ€“ZrO2 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.	1.7	38
33	Disproportionation route to monodispersed copper nanoparticles for the catalytic synthesis of propargylamines. <i>RSC Advances</i> , 2013, 3, 19812.	1.7	31
34	Synthesis and Cyclic Voltammetry Studies of 3,4-Methylenedioxyamphetamine (MDMA) Human Metabolites. <i>Journal of Health Science</i> , 2007, 53, 31-42.	0.9	30
35	"Ecstasy"-induced toxicity in SH-SY5Y differentiated cells: role of hyperthermia and metabolites. <i>Archives of Toxicology</i> , 2014, 88, 515-531.	1.9	29
36	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.	1.3	26

#	ARTICLE	IF	CITATIONS
37	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, 407-420.	1.4	24
38	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.	1.1	23
39	Styryl and phenylethynyl based coumarin chromophores for dye sensitized solar cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 353, 564-569.	2.0	22
40	A Diels-Alder, retro-Diels-Alder approach to arcyriaflavin-A. <i>Tetrahedron Letters</i> , 1999, 40, 3795-3796.	0.7	21
41	Catalyst-free aziridination and unexpected homologation of aziridines from imines. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 2968.	1.5	21
42	Palladium(II) mediated aziridination of olefins with bromamine-T as the nitrogen source: scope and mechanism. <i>Tetrahedron</i> , 2007, 63, 7009-7017.	1.0	19
43	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, 815-822.	1.2	19
44	Dual on/off and off/on switchable oligoaziridine biosensor. <i>Biosensors and Bioelectronics</i> , 2013, 39, 64-69.	5.3	19
45	The Role of <i>Spongia</i> sp. in the Discovery of Marine Lead Compounds. <i>Marine Drugs</i> , 2016, 14, 139.	2.2	19
46	An efficient methodology for the synthesis of 3-styryl coumarins. <i>Journal of the Brazilian Chemical Society</i> , 2012, 23, 688-693.	0.6	17
47	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.	1.7	16
48	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.	1.2	16
49	Invasive Plants: Turning Enemies into Value. <i>Molecules</i> , 2020, 25, 3529.	1.7	16
50	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.	0.4	13
51	Cytogenetic study of a sclerosing stromal tumor of the ovary. <i>Cancer Genetics and Cytogenetics</i> , 1990, 49, 103-106.	1.0	12
52	1-Aza-1,3-Diaza-3,3-Sigmatropic Rearrangements " A Convenient Synthesis of Benzimidazole Derivatives. <i>Tetrahedron Letters</i> , 1997, 38, 3115-3118.	0.7	12
53	New 3-Ethynylaryl Coumarin-Based Dyes for DSSC Applications: Synthesis, Spectroscopic Properties, and Theoretical Calculations. <i>Molecules</i> , 2021, 26, 2934.	1.7	12
54	New Syntheses of DNA Adducts from Methylated Anilines Present in Tobacco Smoke. <i>Chemical Research in Toxicology</i> , 1999, 12, 1223-1233.	1.7	11

#	ARTICLE	IF	CITATIONS
55	Differentiation of isomeric C8-substituted alkyylaniline 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, 1488-1492.	1.2	11
56	Metabolic interactions between ethanol and MDMA in primary cultured rat hepatocytes. <i>Toxicology</i> , 2010, 270, 150-157.	2.0	11
57	N-Heterocyclic Olefin Catalysis for the Ring Opening of Cyclic Amidine Compounds: A Pathway to the Synthesis of $\mu$ -Caprolactam- and $\beta$ -Lactam-Derived Amines. <i>Journal of Organic Chemistry</i> , 2019, 84, 3793-3800.	1.7	11
58	New Methodology for the Synthesis of 3-Substituted Coumarins via Palladium-Catalyzed Site-Selective Cross-Coupling Reactions. <i>Synlett</i> , 2010, 2010, 2918-2922.	1.0	10
59	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, 248-256.	1.2	9
60	Synthesis of new hetero-arylidene-9(10H)-anthrone derivatives and their biological evaluation. <i>Bioorganic Chemistry</i> , 2020, 99, 103849.	2.0	9
61	Tofacitinib Synthesis - An Asymmetric Challenge. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 615-624.	1.2	8
62	Synthesis of catecholamine conjugates with nitrogen-centered bionucleophiles. <i>Bioorganic Chemistry</i> , 2012, 44, 19-24.	2.0	7
63	A comparative study of fatigue behaviour of MAG and laser welded components using reliability analysis. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 606, 31-39.	2.6	7
64	Developments in the Reactivity of 2-Methylimidazolium Salts. <i>Journal of Organic Chemistry</i> , 2017, 82, 6232-6241.	1.7	6
65	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.	1.2	6
66	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, 1-12.	0.6	5
67	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.	1.1	5
68	Incorporation of Coumarin-Based Fluorescent Monomers into Co-Oligomeric Molecules. <i>Polymers</i> , 2018, 10, 396.	2.0	5
69	Product ion studies of some novel arylamine adducts of deoxyguanosine by matrix-assisted laser desorption/ionization and post-source decay. <i>Journal of Mass Spectrometry</i> , 1999, 13, 2004-2010.		4
70	A Family of Styrylcoumarins: Synthesis, Spectroscopic, Photophysical and Photochemical Properties. <i>ChemPlusChem</i> , 2013, 78, 789-792.	1.3	4
71	Design of oligoaziridine-PEG coatings for efficient nanogold cellular biotagging. <i>RSC Advances</i> , 2015, 5, 10733-10738.	1.7	4
72	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.	2.1	4

#	ARTICLE	IF	CITATIONS
73	A Different Approach to the EGFR Inhibitor Gefitinib Involving Solid-Phase Synthesis. <i>Synlett</i> , 2018, 29, 1346-1350.	1.0	4
74	Propofol and metabolites monitoring in serum of patients with induced sedation. <i>Toxicology Letters</i> , 2009, 189, S113-S114.	0.4	2
75	Synthetic Approaches to a Challenging and Unusual Structure—An Amino-Pyrrolidine Guanine Core. <i>Molecules</i> , 2020, 25, 797.	1.7	2
76	Recent Advances in Sustainable Organocatalysis. , 0, , .		1
77	Post-source decay production studies of aniline and methylaniline adducts of deoxyguanosine. <i>Analytica Chimica Acta</i> , 1999, 397, 257-265.	2.6	0
78	Natural Product-Like Combinatorial Libraries. <i>ChemInform</i> , 2004, 35, no.	0.1	0
79	Neurotoxicity of ecstasy metabolites in rat cortical neurons, and influence of hyperthermia. <i>Toxicology Letters</i> , 2006, 164, S118.	0.4	0
80	Influence of CYP2D6 polymorphism on 3,4-methylenedioxymethamphetamine (‘ecstasy’) cytotoxicity. <i>Toxicology Letters</i> , 2006, 164, S295-S296.	0.4	0
81	Validation of a HPLC-ECD method for the quantification of the highly reactive metabolite of ecstasy, N-methyl-1±-methyldopamine, in human serum. <i>Toxicology Letters</i> , 2006, 164, S309.	0.4	0