

Vasco D B Bonifácio

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8306003/publications.pdf>

Version: 2024-02-01

59
papers

2,288
citations

331670

21
h-index

214800

47
g-index

67
all docs

67
docs citations

67
times ranked

3186
citing authors

#	ARTICLE	IF	CITATIONS
1	Benign by design: catalyst-free in-water, on-water green chemical methodologies in organic synthesis. <i>Chemical Society Reviews</i> , 2013, 42, 5522.	38.1	584
2	Solvent-free and Catalysts-free Chemistry: A Benign Pathway to Sustainability. <i>ChemSusChem</i> , 2014, 7, 24-44.	6.8	255
3	Biocompatible Polyurea Dendrimers with pH-Dependent Fluorescence. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5162-5165.	13.8	153
4	Magnetically recyclable magnetite-ceria (Nanocat-Fe-Ce) nanocatalyst applications in multicomponent reactions under benign conditions. <i>Green Chemistry</i> , 2013, 15, 1226.	9.0	147
5	Cysteine metabolic circuitries: druggable targets in cancer. <i>British Journal of Cancer</i> , 2021, 124, 862-879.	6.4	103
6	Natural melanin: A potential pH-responsive drug release device. <i>International Journal of Pharmaceutics</i> , 2014, 469, 140-145.	5.2	82
7	Polyfluorenes with on-chain dibenzoborole units: Synthesis and anion-induced photoluminescence quenching. <i>Journal of Polymer Science Part A</i> , 2008, 46, 2878-2883.	2.3	74
8	Ovarian Cancer Biomarkers: Moving Forward in Early Detection. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1219, 355-363.	1.6	60
9	Dehydroindigo, the Forgotten Indigo and Its Contribution to the Color of Maya Blue. <i>Journal of Physical Chemistry A</i> , 2010, 114, 1699-1708.	2.5	58
10	Green synthesis and anti-infective activities of fluorinated pyrazoline derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 5727-5730.	2.2	53
11	QR-Coded Audio Periodic Table of the Elements: A Mobile-Learning Tool. <i>Journal of Chemical Education</i> , 2012, 89, 552-554.	2.3	45
12	Aerosolizable gold nano-in-micro dry powder formulations for theragnosis and lung delivery. <i>International Journal of Pharmaceutics</i> , 2017, 519, 240-249.	5.2	38
13	Supercritical fluid technology as a new strategy for the development of semi-covalent molecularly imprinted materials. <i>RSC Advances</i> , 2012, 2, 5075.	3.6	36
14	Targeting Glutathione and Cystathionine Î²-Synthase in Ovarian Cancer Treatment by Selenium-Chrysin Polyurea Dendrimer Nanoformulation. <i>Nutrients</i> , 2019, 11, 2523.	4.1	33
15	Oxazoline-Based Antimicrobial Oligomers: Synthesis by CROP Using Supercritical CO ₂ . <i>Macromolecular Bioscience</i> , 2011, 11, 1128-1137.	4.1	32
16	POxylated Polyurea Dendrimers: Smart Core-Shell Vectors with IC ₅₀ Lowering Capacity. <i>Macromolecular Bioscience</i> , 2015, 15, 1045-1051.	4.1	27
17	Lipid Droplets in Cancer: From Composition and Role to Imaging and Therapeutics. <i>Molecules</i> , 2022, 27, 991.	3.8	27
18	Development of functional mesoporous microparticles for controlled drug delivery. <i>Journal of Supercritical Fluids</i> , 2010, 55, 333-339.	3.2	25

#	ARTICLE	IF	CITATIONS
19	Nano-in-Micro POxylated Polyurea Dendrimers and Chitosan Dry Powder Formulations for Pulmonary Delivery. <i>Particle and Particle Systems Characterization</i> , 2016, 33, 851-858.	2.3	25
20	Blue emission of carbamic acid oligooxazoline biotags. <i>Materials Letters</i> , 2012, 81, 205-208.	2.6	24
21	Sonified Infrared Spectra and Their Interpretation by Blind and Visually Impaired Students. <i>Journal of Chemical Education</i> , 2013, 90, 1028-1031.	2.3	23
22	Photophysical Properties of Hydroxy-Substituted Flavothiones. <i>Journal of Physical Chemistry A</i> , 2000, 104, 6095-6102.	2.5	21
23	Polyurea Dendrimer Folate-Targeted Nanodelivery of L-Buthionine Sulfoximine as a Tool to Tackle Ovarian Cancer Chemoresistance. <i>Antioxidants</i> , 2020, 9, 133.	5.1	21
24	MOLinsight: A Web Portal for the Processing of Molecular Structures by Blind Students. <i>Journal of Chemical Education</i> , 2011, 88, 361-362.	2.3	20
25	Palladium(II) mediated aziridination of olefins with bromamine-T as the nitrogen source: scope and mechanism. <i>Tetrahedron</i> , 2007, 63, 7009-7017.	1.9	19
26	Dual on/off and off/on switchable oligoaziridine biosensor. <i>Biosensors and Bioelectronics</i> , 2013, 39, 64-69.	10.1	19
27	Polyurea dendrimer for efficient cytosolic siRNA delivery. <i>RSC Advances</i> , 2014, 4, 54872-54878.	3.6	19
28	Ultrasensitive microchip sensor based on boron-containing polyfluorene nanofilms. <i>Biosensors and Bioelectronics</i> , 2010, 26, 1662-1665.	10.1	18
29	The Activation of Endothelial Cells Relies on a Ferroptosis-Like Mechanism: Novel Perspectives in Management of Angiogenesis and Cancer Therapy. <i>Frontiers in Oncology</i> , 2021, 11, 656229.	2.8	18
30	Supercritical CO ₂ -assisted synthesis of an ultrasensitive amphibious quantum dot-molecularly imprinted sensor. <i>RSC Advances</i> , 2014, 4, 63338-63341.	3.6	17
31	Supercritical carbon dioxide design strategies: from drug carriers to soft killers. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2015, 373, 20150009.	3.4	15
32	Polyurea Dendrimer-Perylene Self-Imprinted Nanoshells for Trace Explosive Detection. <i>Particle and Particle Systems Characterization</i> , 2015, 32, 98-103.	2.3	15
33	Anti-biofouling 3D porous systems: the blend effect of oxazoline-based oligomers on chitosan scaffolds. <i>Biofouling</i> , 2013, 29, 273-282.	2.2	14
34	POxylated Dendrimer-Based Nano-in-Micro Dry Powder Formulations for Inhalation Chemotherapy. <i>ChemistryOpen</i> , 2018, 7, 772-779.	1.9	14
35	Green Development of Polymeric Dummy Artificial Receptors with Affinity for Amide-Based Pharmaceutical Impurities. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 15445-15451.	6.7	13
36	Nanogold POxylation: towards always-on fluorescent lung cancer targeting. <i>RSC Advances</i> , 2016, 6, 33631-33635.	3.6	12

#	ARTICLE	IF	CITATIONS
37	Carbapenem-Resistant <i>Klebsiella pneumoniae</i> Clinical Isolates: In Vivo Virulence Assessment in <i>Galleria mellonella</i> and Potential Therapeutics by Polycationic Oligoethyleneimine. <i>Antibiotics</i> , 2021, 10, 56.	3.7	12
38	Reborn water-soluble CdTe quantum dots. <i>Talanta</i> , 2014, 125, 319-321.	5.5	11
39	A green approach toward antibody purification: a sustainable biomimetic ligand for direct immobilization on (bio)polymeric supports. <i>Journal of Molecular Recognition</i> , 2013, 26, 662-671.	2.1	10
40	<i>NavMol 2.0</i> â€“ A Molecular Structure Navigator/Editor for Blind and Visually Impaired Users. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 1415-1419.	2.4	10
41	Synthesis of Thiosulfonate-Bridged Bromofluorene Endcapping Reagents. <i>Synlett</i> , 2010, 2010, 1333-1336.	1.8	9
42	Offering QR-Code Access to Information on Nobel Prizes in Chemistry, 1901â€“2011. <i>Journal of Chemical Education</i> , 2013, 90, 1401-1402.	2.3	8
43	Nanoâ€“Micro Sildenafil Dry Powder Formulations for the Treatment of Pulmonary Arterial Hypertension Disorders: The Synergic Effect of POxylated Polyurea Dendrimers, PLGA, and Cholesterol. <i>Particle and Particle Systems Characterization</i> , 2020, 37, 1900447.	2.3	7
44	Molecular Weight Determination by Luminescent Chemoâ€“enzymatics. <i>ChemistrySelect</i> , 2016, 1, 6818-6822.	1.5	6
45	L-Buthionine Sulfoximine Detection and Quantification in Polyurea Dendrimer Nanoformulations. <i>Molecules</i> , 2019, 24, 3111.	3.8	6
46	Biocompatible oligo-oxazoline crosslinkers: Towards advanced chitosans for controlled drug release. <i>Reactive and Functional Polymers</i> , 2021, 161, 104846.	4.1	6
47	Exploring the Chemical Space of Urease Inhibitors to Extract Meaningful Trends and Drivers of Activity. <i>Journal of Chemical Information and Modeling</i> , 2022, 62, 3535-3550.	5.4	6
48	Design of oligoaziridine-PEG coatings for efficient nanogold cellular biotagging. <i>RSC Advances</i> , 2015, 5, 10733-10738.	3.6	4
49	Osteogenic Differentiation of Human Mesenchymal Stem Cells by the Single Action of Luminescent Polyurea Oxide Biodendrimers. <i>ACS Applied Bio Materials</i> , 2020, 3, 9101-9108.	4.6	3
50	One-pot three-step mechanically assisted synthesis and catalytic performance of tripodal metallic complexes. <i>Reaction Chemistry and Engineering</i> , 2021, 6, 2140-2145.	3.7	2
51	Intrinsic acetamide brush-off by polyurea biodendrimers. <i>Journal of Materials Chemistry B</i> , 2021, 9, 3371-3376.	5.8	2
52	Synthesis of fluorescent water-soluble oligo (oxazoline-ethylenimine) block copolymers. <i>Advanced Materials Letters</i> , 2018, 9, 383-386.	0.6	2
53	Chiral Aziridination of Olefins Using a Chiral Sulfinamide as the Nitrogen Source. <i>Synlett</i> , 2010, 2010, 145-149.	1.8	1
54	Photodiodeâ€“like behavior of jelly dyeâ€“sensitized donorâ€“acceptor dendrimers. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48635.	2.6	1

#	ARTICLE	IF	CITATIONS
55	Conventional vs. Microwave- or Mechanically-Assisted Synthesis of Dihomooxalix[4]arene Phthalimides: NMR, X-ray and Photophysical Analysis. <i>Molecules</i> , 2021, 26, 1503.	3.8	1
56	O-Substituted N-oxy arylsulphinamides and sulphonamides in Michael reactions. <i>Arkivoc</i> , 2011, 2011, 266-276.	0.5	1
57	Macromol. Biosci. 8/2011. <i>Macromolecular Bioscience</i> , 2011, 11, .	4.1	0
58	Correction to Sonified Infrared Spectra and Their Interpretation by Blind and Visually Impaired Students. <i>Journal of Chemical Education</i> , 2013, 90, 1567-1567.	2.3	0
59	Towards Greener Mechanosynthesis of Functional Calixarenes. <i>Chemistry Proceedings</i> , 2021, 3, 48.	0.1	0