

# Vasco D B Bonifácio

## List of Publications by Year in descending order

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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  | Lipid Droplets in Cancer: From Composition and Role to Imaging and Therapeutics. <i>Molecules</i> , 2022, 27, 991.  | 3.8 | 27        |
| 2  | 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         |
| 3  | Cysteine metabolic circuitries: druggable targets in cancer. <i>British Journal of Cancer</i> , 2021, 124, 862-879.   | 6.4 | 103       |
| 4  | 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        |
| 5  | 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         |
| 6  | Biocompatible oligo-oxazoline crosslinkers: Towards advanced chitosans for controlled drug release. <i>Reactive and Functional Polymers</i> , 2021, 161, 104846.  | 4.1 | 6         |
| 7  | 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        |
| 8  | 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         |
| 9  | Intrinsic acetamide brush-off by polyurea biodendrimers. <i>Journal of Materials Chemistry B</i> , 2021, 9, 3371-3376.  | 5.8 | 2         |
| 10 | Towards Greener Mechanosynthesis of Functional Calixarenes. <i>Chemistry Proceedings</i> , 2021, 3, 48.   | 0.1 | 0         |
| 11 | Photodiode-like behavior of jelly dye-sensitized donor-acceptor dendrimers. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48635.   | 2.6 | 1         |
| 12 | 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         |
| 13 | Nano-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         |
| 14 | Ovarian Cancer Biomarkers: Moving Forward in Early Detection. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1219, 355-363.   | 1.6 | 60        |
| 15 | 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        |
| 16 | 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        |
| 17 | Targeting Glutathione and Cystathionine $\hat{P}$ -Synthase in Ovarian Cancer Treatment by Selenium-Chrysin Polyurea Dendrimer Nanoformulation. <i>Nutrients</i> , 2019, 11, 2523.  | 4.1 | 33        |
| 18 | L-Buthionine Sulfoximine Detection and Quantification in Polyurea Dendrimer Nanoformulations. <i>Molecules</i> , 2019, 24, 3111.  | 3.8 | 6         |

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|----|---|-----|-----------|
| 19 | POxylated Dendrimer-Based Nano-In-Micro Dry Powder Formulations for Inhalation Chemotherapy. <i>ChemistryOpen</i> , 2018, 7, 772-779.   | 1.9 | 14        |
| 20 | Synthesis of fluorescent water-soluble oligo (oxazoline-ethylenimine) block copolymers. <i>Advanced Materials Letters</i> , 2018, 9, 383-386.   | 0.6 | 2         |
| 21 | 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        |
| 22 | Molecular Weight Determination by Luminescent Chemoenzymatics. <i>ChemistrySelect</i> , 2016, 1, 6818-6822.   | 1.5 | 6         |
| 23 | Nanogold POxylation: towards always-on fluorescent lung cancer targeting. <i>RSC Advances</i> , 2016, 6, 33631-33635.   | 3.6 | 12        |
| 24 | 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        |
| 25 | 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        |
| 26 | Design of oligoaziridine-PEG coatings for efficient nanogold cellular biotagging. <i>RSC Advances</i> , 2015, 5, 10733-10738.   | 3.6 | 4         |
| 27 | POxylated Polyurea Dendrimers: Smart Core-Shell Vectors with IC <sub>50</sub> Lowering Capacity. <i>Macromolecular Bioscience</i> , 2015, 15, 1045-1051.  | 4.1 | 27        |
| 28 | Polyurea Dendrimer-Perylene Self-Imprinted Nanoshells for Trace Explosive Detection. <i>Particle and Particle Systems Characterization</i> , 2015, 32, 98-103.  | 2.3 | 15        |
| 29 | Natural melanin: A potential pH-responsive drug release device. <i>International Journal of Pharmaceutics</i> , 2014, 469, 140-145.   | 5.2 | 82        |
| 30 | Solvent-Free and Catalysts-Free Chemistry: A Benign Pathway to Sustainability. <i>ChemSusChem</i> , 2014, 7, 24-44.   | 6.8 | 255       |
| 31 | Supercritical CO <sub>2</sub> -assisted synthesis of an ultrasensitive amphibious quantum dot-molecularly imprinted sensor. <i>RSC Advances</i> , 2014, 4, 63338-63341.                                 | 3.6 | 17        |
| 32 | Polyurea dendrimer for efficient cytosolic siRNA delivery. <i>RSC Advances</i> , 2014, 4, 54872-54878.  | 3.6 | 19        |
| 33 | Reborn water-soluble CdTe quantum dots. <i>Talanta</i> , 2014, 125, 319-321.  | 5.5 | 11        |
| 34 | 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        |
| 35 | 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        |
| 36 | Offering QR-Code Access to Information on Nobel Prizes in Chemistry, 1901-2011. <i>Journal of Chemical Education</i> , 2013, 90, 1401-1402.   | 2.3 | 8         |

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|----|---|------|-----------|
| 37 | 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        |
| 38 | 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         |
| 39 | <i>NavMol 2.0</i> – 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        |
| 40 | 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       |
| 41 | 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       |
| 42 | Dual on–off and off–on switchable oligoaziridine biosensor. <i>Biosensors and Bioelectronics</i> , 2013, 39, 64-69.   | 10.1 | 19        |
| 43 | 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        |
| 44 | Green synthesis and anti-infective activities of fluorinated pyrazoline derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 5727-5730.                                     | 2.2  | 53        |
| 45 | 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        |
| 46 | Biocompatible Polyurea Dendrimers with pH-Dependent Fluorescence. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5162-5165.   | 13.8 | 153       |
| 47 | Blue emission of carbamic acid oligooxazoline biotags. <i>Materials Letters</i> , 2012, 81, 205-208.  | 2.6  | 24        |
| 48 | 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        |
| 49 | Oxazoline-Based Antimicrobial Oligomers: Synthesis by CROP Using Supercritical CO <sub>2</sub> . <i>Macromolecular Bioscience</i> , 2011, 11, 1128-1137.  | 4.1  | 32        |
| 50 | Macromol. Biosci. 8/2011. <i>Macromolecular Bioscience</i> , 2011, 11, .  | 4.1  | 0         |
| 51 | O-Substituted N-oxy arylsulphinamides and sulphonamides in Michael reactions. <i>Arkivoc</i> , 2011, 2011, 266-276.   | 0.5  | 1         |
| 52 | Development of functional mesoporous microparticles for controlled drug delivery. <i>Journal of Supercritical Fluids</i> , 2010, 55, 333-339.   | 3.2  | 25        |
| 53 | Ultrasensitive microchip sensor based on boron-containing polyfluorene nanofilms. <i>Biosensors and Bioelectronics</i> , 2010, 26, 1662-1665.   | 10.1 | 18        |
| 54 | Synthesis of Thiosulfonate-Bridged Bromofluorene Endcapping Reagents. <i>Synlett</i> , 2010, 2010, 1333-1336.   | 1.8  | 9         |

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|----|--|-----|-----------|
| 55 | Chiral Aziridination of Olefins Using a Chiral Sulfinamide as the Nitrogen Source. <i>Synlett</i> , 2010, 2010, 145-149.   | 1.8 | 1         |
| 56 | 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        |
| 57 | 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        |
| 58 | 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        |
| 59 | Photophysical Properties of Hydroxy-Substituted Flavothiones. <i>Journal of Physical Chemistry A</i> , 2000, 104, 6095-6102.   | 2.5 | 21        |