

Belen Vaz

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,399
citations

430442

18
h-index

329751

37
g-index

47
all docs

47
docs citations

47
times ranked

2520
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Functions, Therapeutic Applications, and Synthesis of Retinoids and Carotenoids. <i>Chemical Reviews</i> , 2014, 114, 1-125. | 23.0 | 277 |
| 2 | Hollowâ€Shelled Nanoreactors Endowed with High Catalytic Activity. <i>Chemistry - A European Journal</i> , 2013, 19, 12196-12211. | 1.7 | 119 |
| 3 | 9-cis-13,14-Dihydroretinoic Acid Is an Endogenous Retinoid Acting as RXR Ligand in Mice. <i>PLoS Genetics</i> , 2015, 11, e1005213. | 1.5 | 98 |
| 4 | Palladium Nanoparticle-Loaded Cellulose Paper: A Highly Efficient, Robust, and Recyclable Self-Assembled Composite Catalytic System. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 230-238. | 2.1 | 82 |
| 5 | Macroscale Plasmonic Substrates for Highly Sensitive Surfaceâ€Enhanced Raman Scattering. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 6459-6463. | 7.2 | 75 |
| 6 | Pyrene-Containing <i>ortho</i> -Oligo(phenylene)ethynylene Foldamer as a Ratiometric Probe Based on Circularly Polarized Luminescence. <i>Journal of Organic Chemistry</i> , 2018, 83, 4455-4463. | 1.7 | 75 |
| 7 | Nanoreactors for Simultaneous Remote Thermal Activation and Optical Monitoring of Chemical Reactions. <i>Journal of the American Chemical Society</i> , 2013, 135, 13616-13619. | 6.6 | 70 |
| 8 | The Stille Reaction in the Synthesis of Carotenoid Butenolides:â€ Synthesis of 6â€-epi-Peridinin. <i>Organic Letters</i> , 2005, 7, 545-548. | 2.4 | 57 |
| 9 | Total Synthesis of Peridinin and Related C37-Norcarotenoid Butenolides. <i>Chemistry - A European Journal</i> , 2007, 13, 1273-1290. | 1.7 | 52 |
| 10 | Synthesis of Symmetrical Carotenoids by a Two-Fold Stille Reaction. <i>Journal of Organic Chemistry</i> , 2002, 67, 5040-5043. | 1.7 | 50 |
| 11 | Suzuki cross-coupling of meso-dibromoporphyrins for the synthesis of functionalized A2B2 porphyrins. <i>Tetrahedron Letters</i> , 2001, 42, 7409-7412. | 0.7 | 43 |
| 12 | Simple Diastereoselectivity of the BF ₃ â€OEt ₂ -Catalyzed Vinylogous Mukaiyama Aldol Reaction of 2-(Trimethylsiloxy)furans with Aldehydes. <i>Journal of Organic Chemistry</i> , 2005, 70, 3654-3659. | 1.7 | 33 |
| 13 | Stable helical peptoids via covalent side chain to side chain cyclization. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 2988. | 1.5 | 28 |
| 14 | The Stille Reaction in the Synthesis of the C37-Norcarotenoid Butenolide Pyrroloxanthin. Scope and Limitations. <i>Journal of Organic Chemistry</i> , 2006, 71, 5914-5920. | 1.7 | 26 |
| 15 | Advances in drug design with RXR modulators. <i>Expert Opinion on Drug Discovery</i> , 2012, 7, 1003-1016. | 2.5 | 23 |
| 16 | Total synthesis of (8R,6â€R)-peridinin-5,8-furanoxide. <i>Chemical Communications</i> , 2013, 49, 5043. | 2.2 | 23 |
| 17 | Stereoselective Stille Coupling of Enantiopure Haloallenes and Alkenylstannanes for the Synthesis of Allenyl Carotenoids. <i>Experimental and Computational Studies. Journal of Organic Chemistry</i> , 2008, 73, 6534-6541. | 1.7 | 21 |
| 18 | Computational design, synthesis, and evaluation of miniproteins as androgen receptor coactivator mimics. <i>Chemical Communications</i> , 2009, , 5377. | 2.2 | 19 |

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|----|---|-----|-----------|
| 19 | A conjunctive diiodoheptaene for the synthesis of C2-symmetric carotenoids. <i>Chemical Communications</i> , 2013, 49, 2694. | 2.2 | 19 |
| 20 | Characterization of [8-ethyl]-chlorophyll c3 from <i>Emiliana huxleyi</i> . <i>Chemical Communications</i> , 2012, 48, 5500. | 2.2 | 18 |
| 21 | Enhancing the Exploitation of Functional Nanomaterials through Spatial Confinement: The Case of Inorganic Submicrometer Capsules. <i>Langmuir</i> , 2015, 31, 8745-8755. | 1.6 | 18 |
| 22 | Mechanistic and Stereochemical Insights on the Pt-Catalyzed Rearrangement of Oxiranylpropargylic Esters to Cyclopentenones. <i>Journal of Organic Chemistry</i> , 2012, 77, 8733-8743. | 1.7 | 17 |
| 23 | Total Synthesis of Enantiopure Pyrroloxanthin: Alternative Methods for the Stereoselective Preparation of 4-alkylidenebutenolides. <i>Chemistry - A European Journal</i> , 2013, 19, 13065-13074. | 1.7 | 17 |
| 24 | A Biomimetic Escape Strategy for Cytoplasm Invasion by Synthetic Particles. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13736-13740. | 7.2 | 17 |
| 25 | SH3-mediated targeting of Wrch1/RhoU by multiple adaptor proteins. <i>Biological Chemistry</i> , 2013, 394, 421-432. | 1.2 | 14 |
| 26 | Macroscale Plasmonic Substrates for Highly Sensitive Surface-Enhanced Raman Scattering. <i>Angewandte Chemie</i> , 2013, 125, 6587-6591. | 1.6 | 12 |
| 27 | Structure-activity relationship studies of miniproteins targeting the androgen receptor-coactivator interaction. <i>MedChemComm</i> , 2013, 4, 187-192. | 3.5 | 11 |
| 28 | Selective, potent PPAR δ agonists with cyclopentenone core structure. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 1883-1886. | 1.0 | 10 |
| 29 | Chlorophyll <i>CS-170</i> Isolated from <i>Ostreococcus sp.</i> Is [7-Methoxycarbonyl-8-vinyl]protochlorophyllide <i>a</i> . <i>Organic Letters</i> , 2013, 15, 4430-4433. | 2.4 | 10 |
| 30 | Polymeric Premicelles as Efficient Lipophilic Nanocarriers: Extending Drug Uptake to the Submicellar Regime. <i>Langmuir</i> , 2013, 29, 11251-11259. | 1.6 | 10 |
| 31 | Structural Coupling of 11- <i>cis</i> -7-Methylretinal and Amino Acids at the Ligand Binding Pocket of Rhodopsin. <i>Photochemistry and Photobiology</i> , 2009, 85, 485-493. | 1.3 | 9 |
| 32 | An on-bead assay for the identification of non-natural peptides targeting the Androgen Receptor-cofactor interaction. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 306-311. | 1.4 | 7 |
| 33 | Synthesis of labile all-trans-7,8,7,8-bis-acetylenic carotenoids by bi-directional Horner-Wadsworth-Emmons condensation. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 3024-3031. | 1.5 | 6 |
| 34 | 19,19-Diacloxy Signature: An Atypical Level of Structural Evolution in Carotenoid Pigments. <i>Organic Letters</i> , 2016, 18, 4642-4645. | 2.4 | 6 |
| 35 | Stereocontrolled synthesis of (S)-9- <i>cis</i> - and (S)-11- <i>cis</i> -13,14-dihydroretinoic acid. <i>Tetrahedron</i> , 2016, 72, 3898-3904. | 1.0 | 4 |
| 36 | A Biomimetic Escape Strategy for Cytoplasm Invasion by Synthetic Particles. <i>Angewandte Chemie</i> , 2017, 129, 13924-13928. | 1.6 | 4 |

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|----|---|-----|-----------|
| 37 | Vitamin A5/X controls stress-adaptation and prevents depressive-like behaviors in a mouse model of chronic stress. <i>Neurobiology of Stress</i> , 2021, 15, 100375. | 1.9 | 4 |
| 38 | Mass Spectrometry of Algal Chlorophyll c Compounds. <i>Current Organic Chemistry</i> , 2018, 22, 836-841. | 0.9 | 4 |
| 39 | β -Allenyl Allyl Benzothiazole Sulfonyl Anions Undergo cis-Selective (Sylvestre) Julia Olefinations. <i>Synlett</i> , 2005, 2005, 294-298. | 1.0 | 3 |
| 40 | Enzymatic synthesis and characterization of chlorophyllide derivatives as possible internal standards for pigment chromatographic analysis. <i>Algal Research</i> , 2020, 46, 101688. | 2.4 | 3 |
| 41 | SERS optical accumulators as unified nanoplatforms for tear sampling and sensing in soft contact lenses. <i>Nanoscale</i> , 2022, 14, 7991-7999. | 2.8 | 2 |