

Belen Vaz

List of Publications by Year in descending order

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41
papers

1,399
citations

430874
18
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37
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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. Chemical Reviews, 2014, 114, 1-125.	47.7	277
2	Hollowâ€Shelled Nanoreactors Endowed with High Catalytic Activity. Chemistry - A European Journal, 2013, 19, 12196-12211.	3.3	119
3	9-cis-13,14-Dihydroretinoic Acid Is an Endogenous Retinoid Acting as RXR Ligand in Mice. PLoS Genetics, 2015, 11, e1005213.	3.5	98
4	Palladium Nanoparticle-Loaded Cellulose Paper: A Highly Efficient, Robust, and Recyclable Self-Assembled Composite Catalytic System. Journal of Physical Chemistry Letters, 2015, 6, 230-238.	4.6	82
5	Macroscale Plasmonic Substrates for Highly Sensitive Surfaceâ€Enhanced Raman Scattering. Angewandte Chemie - International Edition, 2013, 52, 6459-6463.	13.8	75
6	Pyrene-Containing <i>ortho</i> -Oligo(phenylene)ethynylene Foldamer as a Ratiometric Probe Based on Circularly Polarized Luminescence. Journal of Organic Chemistry, 2018, 83, 4455-4463.	3.2	75
7	Nanoreactors for Simultaneous Remote Thermal Activation and Optical Monitoring of Chemical Reactions. Journal of the American Chemical Society, 2013, 135, 13616-13619.	13.7	70
8	The Stille Reaction in the Synthesis of Carotenoid Butenolides:â€ Synthesis of 6â€-epi-Peridinin. Organic Letters, 2005, 7, 545-548.	4.6	57
9	Total Synthesis of Peridinin and Related C37-Norcarotenoid Butenolides. Chemistry - A European Journal, 2007, 13, 1273-1290.	3.3	52
10	Synthesis of Symmetrical Carotenoids by a Two-Fold Stille Reaction. Journal of Organic Chemistry, 2002, 67, 5040-5043.	3.2	50
11	Suzuki cross-coupling of meso-dibromoporphyrins for the synthesis of functionalized A2B2 porphyrins. Tetrahedron Letters, 2001, 42, 7409-7412.	1.4	43
12	Simple Diastereoselectivity of the BF3â€OEt2-Catalyzed Vinylogous Mukaiyama Aldol Reaction of 2-(Trimethylsiloxy)furan with Aldehydes. Journal of Organic Chemistry, 2005, 70, 3654-3659.	3.2	33
13	Stable helical peptoids via covalent side chain to side chain cyclization. Organic and Biomolecular Chemistry, 2008, 6, 2988.	2.8	28
14	The Stille Reaction in the Synthesis of the C37-Norcarotenoid Butenolide Pyrroloxanthin. Scope and Limitations. Journal of Organic Chemistry, 2006, 71, 5914-5920.	3.2	26
15	Advances in drug design with RXR modulators. Expert Opinion on Drug Discovery, 2012, 7, 1003-1016.	5.0	23
16	Total synthesis of (8R,6â€ ² R)-peridinin-5,8-furanoxide. Chemical Communications, 2013, 49, 5043.	4.1	23
17	Stereoselective Stille Coupling of Enantiopure Haloallenes and Alkenylstannanes for the Synthesis of Allenyl Carotenoids. Experimental and Computational Studies. Journal of Organic Chemistry, 2008, 73, 6534-6541.	3.2	21
18	Computational design, synthesis, and evaluation of miniproteins as androgen receptor coactivator mimics. Chemical Communications, 2009, , 5377.	4.1	19

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19	A conjunctive diiodoheptaene for the synthesis of C2-symmetric carotenoids. Chemical Communications, 2013, 49, 2694.	4.1	19
20	Characterization of [8-ethyl]-chlorophyll c3 from <i>Emiliana huxleyi</i> . Chemical Communications, 2012, 48, 5500.	4.1	18
21	Enhancing the Exploitation of Functional Nanomaterials through Spatial Confinement: The Case of Inorganic Submicrometer Capsules. Langmuir, 2015, 31, 8745-8755.	3.5	18
22	Mechanistic and Stereochemical Insights on the Pt-Catalyzed Rearrangement of Oxiranylpropargylic Esters to Cyclopentenones. Journal of Organic Chemistry, 2012, 77, 8733-8743.	3.2	17
23	Total Synthesis of Enantiopure Pyrroxanthin: Alternative Methods for the Stereoselective Preparation of 4-Alkylidenebutenolides. Chemistry - A European Journal, 2013, 19, 13065-13074.	3.3	17
24	A Biomimetic Escape Strategy for Cytoplasm Invasion by Synthetic Particles. Angewandte Chemie - International Edition, 2017, 56, 13736-13740.	13.8	17
25	SH3-mediated targeting of Wrch1/RhoU by multiple adaptor proteins. Biological Chemistry, 2013, 394, 421-432.	2.5	14
26	Macroscale Plasmonic Substrates for Highly Sensitive Surface-Enhanced Raman Scattering. Angewandte Chemie, 2013, 125, 6587-6591.	2.0	12
27	Structure-activity relationship studies of miniproteins targeting the androgen receptor-coactivator interaction. MedChemComm, 2013, 4, 187-192.	3.4	11
28	Selective, potent PPAR γ agonists with cyclopentenone core structure. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 1883-1886.	2.2	10
29	Chlorophyll <i>c</i> ₃₅ Isolated from <i>Ostreococcus sp.</i> Is [7-Methoxycarbonyl-8-vinyl]protochlorophyllide <i>a</i> . Organic Letters, 2013, 15, 4430-4433.	4.6	10
30	Polymeric Premicelles as Efficient Lipophilic Nanocarriers: Extending Drug Uptake to the Submicellar Regime. Langmuir, 2013, 29, 11251-11259.	3.5	10
31	Structural Coupling of 11- <i>cis</i> -7-Methylretinal and Amino Acids at the Ligand Binding Pocket of Rhodopsin. Photochemistry and Photobiology, 2009, 85, 485-493.	2.5	9
32	An on-bead assay for the identification of non-natural peptides targeting the Androgen Receptor-cofactor interaction. Bioorganic and Medicinal Chemistry, 2011, 19, 306-311.	3.0	7
33	Synthesis of labile all-trans-7,8,7',8'-bis-acetylenic carotenoids by bi-directional Horner-Wadsworth-Emmons condensation. Organic and Biomolecular Chemistry, 2015, 13, 3024-3031.	2.8	6
34	19,19-Diacloxy Signature: An Atypical Level of Structural Evolution in Carotenoid Pigments. Organic Letters, 2016, 18, 4642-4645.	4.6	6
35	Stereocontrolled synthesis of (S)-9- <i>cis</i> - and (S)-11- <i>cis</i> -13,14-dihydroretinoic acid. Tetrahedron, 2016, 72, 3898-3904.	1.9	4
36	A Biomimetic Escape Strategy for Cytoplasm Invasion by Synthetic Particles. Angewandte Chemie, 2017, 129, 13924-13928.	2.0	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.	4.0	4
38	Mass Spectrometry of Algal Chlorophyll c Compounds. <i>Current Organic Chemistry</i> , 2018, 22, 836-841.	1.6	4
39	β^3 -Allenyl Allyl Benzothiazole Sulfonyl Anions Undergo cis-Selective (Sylvestre) Julia Olefinations. <i>Synlett</i> , 2005, 2005, 294-298.	1.8	3
40	Enzymatic synthesis and characterization of chlorophyllide derivatives as possible internal standards for pigment chromatographic analysis. <i>Algal Research</i> , 2020, 46, 101688.	4.6	3
41	SERS optical accumulators as unified nanoplatforms for tear sampling and sensing in soft contact lenses. <i>Nanoscale</i> , 2022, 14, 7991-7999.	5.6	2