Pablo Wessig

List of Publications by Year
in descending order

60	1,152	471509 17	434195 31
papers	citations	h-index	g-index

63	63	63	1099
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Dehydro-Dielsâ^'Alder Reaction. Chemical Reviews, 2008, 108, 2051-2063.	47.7	318
2	Carbon nanodots revised: the thermal citric acid/urea reaction. Chemical Science, 2020, 11, 8256-8266.	7.4	81
3	Preparation of Strained Axially Chiral (1,5)Naphthalenophanes by Photo-dehydro-Dielsâ^'Alder Reaction. Journal of the American Chemical Society, 2011, 133, 2642-2650.	13.7	37
4	DBD Dyes as Fluorescence Lifetime Probes to Study Conformational Changes in Proteins. Chemistry - A European Journal, 2013, 19, 17349-17357.	3.3	31
5	The Photo-Dehydro-Diels-Alder Reaction: An Efficient Route to Naphthalenes. Synthesis, 2005, 2005, 1445-1454.	2.3	28
6	Nanoscale Molecular Rods with a New Building Block for Solubility Enhancement. Journal of Organic Chemistry, 2008, 73, 4452-4457.	3.2	28
7	Synthesis of 1,1â€²-binaphthyls by photo-dehydro-Dielsâ€“Alder reactions. Chemical Communications, 2006, , 4524-4526.	4.1	27
8	Oligospiroketals as Novel Molecular Rods. Chemistry - A European Journal, 2007, 13, 4859-4872.	3.3	27
9	The photo-dehydro-Dielsâ€“Alder (PDDA) reaction. Organic and Biomolecular Chemistry, 2011, 9, 7599.	2.8	24
10	The Photo-Dehydro-Diels-Alder (PDDA) Reaction - A Powerful Method for the Preparation of Biaryls. Synthesis, 2007, 2007, 464-477.	2.3	22
11	A fluorescence lifetime-based binding assay for acetylpolyamine amidohydrolases from Pseudomonas aeruginosa using a [1,3]dioxolo[4,5-f][1,3]benzodioxole (DBD) ligand probe. Analytical and Bioanalytical Chemistry, 2014, 406, 4889-4897.	3.7	22
12	A Fluorescenceâ€Lifetimeâ€Based Binding Assay for Classâ€...IIa Histone Deacetylases. Chemistry - A European Journal, 2017, 23, 3107-3116.	3.3	22
13	Conformational changes of the bacterial type I ATP-binding cassette importer HisQMP2 at distinct steps of the catalytic cycle. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 106-116.	2.6	21
14	Synthesis of Benzo[g]isochromenes through Photo-Dehydro-Dielsâ€“Alder Reaction. Helvetica Chimica Acta, 2006, 89, 2694-2719.	1.6	20
15	Iterative Arylation of Itaconimides with Diazonium Salts through Electrophilic Palladium Catalysis: Divergent Î²-H-Elimination Pathways in Repetitive Matsudaâ€“Heck Reactions. Journal of Organic Chemistry, 2019, 84, 5732-5746.	3.2	20
16	A new class of fluorescent dyes based on 1,3-benzodioxole and [1,3]-dioxolo[4.5-f]benzodioxole. Tetrahedron Letters, 2011, 52, 6192-6195.	1.4	18
17	Energy Transfer between Tm-Doped Upconverting Nanoparticles and a Small Organic Dye with Large Stokes Shift. Biosensors, 2019, 9, 9.	4.7	18
18	Building Blocks for Oligospiroketal (OSK) Rods and Evaluation of Their Influence on Rod Rigidity. Journal of Organic Chemistry, 2012, 77, 3907-3920.	3.2	17

#	Article	IF	Citations
19	DBD dyes as fluorescent probes for sensing lipophilic environments. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 5367-5371.	2.2	17
20	Scaling Up UV-Mediated Intramolecular Photodehydro-Dielsâ€“Alder Reactions Using a Homemade High-Performance Annular Continuous-Flow Reactor. Organic Process Research and Development, 2018, 22, 1823-1827.	2.7	17
21	Facile Photochemical Synthesis of 1,1?-Binaphthyls. Australian Journal of Chemistry, 2008, 61, 569.	0.9	16
22	Highly K⁺â€Selective Fluorescent Probes for Lifetime Sensing of K⁺ in Living Cells. Chemistry - A European Journal, 2017, 23, 17186-17190.	3.3	16
23	Molecular Rods with Oligospiroketal Backbones as Anchors in Biological Membranes. Angewandte Chemie - International Edition, 2009, 48, 4433-4435.	13.8	15
24	New molecular rods â€" Characterization of their interaction with membranes. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 2781-2788.	2.6	15
25	FRET Pairs with Fixed Relative Orientation of Chromophores. European Journal of Organic Chemistry, 2016, 2016, 4476-4486.	2.4	15
26	Asymmetric Synthesis of (1,5)Naphthalenophanes by Dehydroâ€Dielsâ€“Alder Reaction. European Journal of Organic Chemistry, 2013, 2013, 2123-2129.	2.4	13
27	Synthesis and spectroscopic properties of a FRET pair based on PPO and DBD dyes. Dyes and Pigments, 2015, 123, 39-43.	3.7	13
28	Macrocyclic FKBP51 Ligands Define a Transient Binding Mode with Enhanced Selectivity. Angewandte Chemie - International Edition, 2021, 60, 13257-13263.	13.8	13
29	Rigid Rod-Based FRET Probes for Membrane Sensing Applications. Journal of Physical Chemistry B, 2016, 120, 9935-9943.	2.6	12
30	A Short and Efficient Route from myo- to neo-Inositol. Synlett, 2010, 2010, 1497-1500.	1.8	11
31	First example of an atropselective dehydro-Dielsâ€“Alder (ADDA) reaction. Tetrahedron Letters, 2011, 52, 4221-4223.	1.4	11
32	Na⁺ Selective Fluorescent Tools Based on Fluorescence Intensity Enhancements, Lifetime Changes, and on a Ratiometric Response. Chemistry - A European Journal, 2019, 25, 12412-12422.	3.3	11
33	Photochemical synthesis and properties of axially chiral naphthylpyridines. Journal of Photochemistry and Photobiology A: Chemistry, 2011, 222, 263-265.	3.9	10
34	Photochemical Synthesis of Both Strained and Macrocyclic (1,7)Naphthalenophanes. Journal of Organic Chemistry, 2016, 81, 9147-9157.	3.2	10
35	Thiolâ€“ene polymerization of oligospiroketal rods. Polymer Chemistry, 2017, 8, 6879-6885.	3.9	10
36	Extending the Class of [1,3]â€Dioxolo[4.5â€f]benzodioxole (DBD) Fluorescent Dyes. European Journal of Organic Chemistry, 2018, 2018, 1674-1681.	2.4	10

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37	Structure and Dynamics of Molecular Rods in Membranes: Application of a Spinâ€Labeled Rod. Chemistry - A European Journal, 2013, 19, 2703-2710.	3.3	9
38	Recruitment of SHâ€Containing Peptides to Lipid and Biological Membranes through the Use of a Palmitic Acid Functionalized with a Maleimide Group. Angewandte Chemie - International Edition, 2015, 54, 323-326.	13.8	9
39	Fluorescent Dyes with Large Stokes Shifts Based on Benzo[1,2â€d:4,5â€d']bis([1,3]dithiole) (â€œS 4 â€DBD Dyesâ€). European Journal of Organic Chemistry, 2020, 2020, 1732-1744.	2.4	9
40	A novel photorearrangement of (coumarin-4-yl)methyl phenyl ethers. Journal of Photochemistry and Photobiology A: Chemistry, 2009, 208, 171-179.	3.9	8
41	Synthesis and Spectroscopic Characterization of Fluorophoreâ€Labeled Oligospiroketal Rods. Helvetica Chimica Acta, 2013, 96, 2046-2067.	1.6	8
42	Photochemical Synthesis and Properties of 1,6- and 1,8-Naphthalenophanes. Molecules, 2013, 18, 1314-1324.	3.8	8
43	Novel porous materials based on oligospiroketals (OSK). RSC Advances, 2014, 4, 31123-31129.	3.6	8
44	Rotational Barriers of Substituted BIPHEP Ligands: A Comparative Experimental and Theoretical Study. European Journal of Organic Chemistry, 2016, 2016, 5123-5126.	2.4	8
45	Articulated rods â€“ a novel class of molecular rods based on oligospiroketals (OSK). Beilstein Journal of Organic Chemistry, 2015, 11, 74-84.	2.2	7
46	Sulfur Tuning of [1,3]â€Dioxolo[4.5â€f]benzodioxole (DBD) Fluorescent Dyes. European Journal of Organic Chemistry, 2021, 2021, 499-511.	2.4	7
47	Photoinduced diastereoselective pinacolisation of 4-oxo-4-phenylbutanamides to 4,5-dihydroxy-4,5-diphenyloctanediamides. Journal of the Chemical Society Perkin Transactions II, 1999, , 2029-2036.	0.9	6
48	Dendrimers with Oligospiroketal (OSK) Building Blocks: Synthesis and Properties. Chemistry - A European Journal, 2015, 21, 10466-10471.	3.3	6
49	Synthesis and Characterization of a New Bifunctionalized, Fluorescent, and Amphiphilic Molecule for Recruiting SHâ€Containing Molecules to Membranes. ChemBioChem, 2018, 19, 1643-1647.	2.6	6
50	Detection of dsDNA with [1,3]Dioxolo[4,5â€f]benzodioxol (DBD) Dyes. Chemistry - A European Journal, 2018, 24, 16183-16190.	3.3	6
51	Antibody Binding at the Liposomeâ€“Water Interface: A FRET Investigation toward a Liposome-Based Assay. ACS Omega, 2018, 3, 18109-18116.	3.5	4
52	Photophysics of Acyl- and Ester-DBD Dyes: Quadrupole-Induced Solvent Relaxation Investigated by Transient Absorption Spectroscopy. Journal of Physical Chemistry A, 2019, 123, 4717-4726.	2.5	3
53	Investigating the Sulfur â€œTwistâ€•on the Photophysics of DBD Dyes. Journal of Physical Chemistry A, 2020, 124, 4345-4353.	2.5	3
54	Nâ€Aroylsulfonamideâ€Photofragmentation (ASAP)â€A Versatile Route to Biaryls. European Journal of Organic Chemistry, 0, , .	2.4	3

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55	Studies toward the Total Synthesis of Arylnaphthalene Lignans via a Photo-Dehydro-Dielsâ€“Alder (PDDA) Reaction. Journal of Organic Chemistry, 2022, 87, 5904-5915.	3.2	2
56	A Short and Efficient Route from myo- to neo-Inositol. Synlett, 2011, 2011, 434-434.	1.8	1
57	Highly K+ -Selective Fluorescent Probes for Lifetime Sensing of K+ in Living Cells. Chemistry - A European Journal, 2017, 23, 17156-17156.	3.3	1
58	Front Cover: FRET Pairs with Fixed Relative Orientation of Chromophores (Eur. J. Org. Chem. 26/2016). European Journal of Organic Chemistry, 2016, 2016, 4436-4436.	2.4	0
59	Makrozyklische FKBP51â€Liganden enthÃ¼llen einen transienten Bindungsmodus mit erhÃ¶hter SelektivitÃt. Angewandte Chemie, 2021, 133, 13366-13372.	2.0	0
60	Coumarin derivatives and molecular rods as fluorescence probes for membrane characterization. , 2015, , .		0