

Martin Walko

List of Publications by Year in descending order

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33
papers

1,829
citations

394390

19
h-index

395678

33
g-index

37
all docs

37
docs citations

37
times ranked

2335
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural optimization of reversible dibromomaleimide peptide stapling. <i>Peptide Science</i> , 2021, 113, e24157.	1.8	6
2	A novel approach to achieve molecular switching in solid-state driving by thermal treatment: A photochromic zinc-coordination polymer. <i>Inorganica Chimica Acta</i> , 2020, 512, 119879.	2.4	0
3	Inter-domain dynamics in the chaperone SurA and multi-site binding to its outer membrane protein clients. <i>Nature Communications</i> , 2020, 11, 2155.	12.8	48
4	Design and synthesis of cysteine-specific labels for photo-crosslinking studies. <i>RSC Advances</i> , 2019, 9, 7610-7614.	3.6	8
5	Photocatalytic proximity labelling of MCL-1 by a BH3 ligand. <i>Communications Chemistry</i> , 2019, 2, 133.	4.5	18
6	The <i>Leishmania</i> PABP1- <i>elF4E4</i> interface: a novel 5'â€²â€²3' interaction architecture for trans-spliced mRNAs. <i>Nucleic Acids Research</i> , 2019, 47, 1493-1504.	14.5	12
7	Combining Light-Gated and pH-Responsive Nanopore Based on PEG- ϵ -Spiropyran Functionalization. <i>Advanced Materials Interfaces</i> , 2018, 5, 1701051.	3.7	36
8	Rapid Mapping of Protein Interactions Using Tag-Transfer Photocrosslinkers. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16688-16692.	13.8	48
9	Rapid Mapping of Protein Interactions Using Tag-Transfer Photocrosslinkers. <i>Angewandte Chemie</i> , 2018, 130, 16930-16934.	2.0	6
10	High-Throughput Simulations Reveal Membrane-Mediated Effects of Alcohols on MscL Gating. <i>Journal of the American Chemical Society</i> , 2017, 139, 2664-2671.	13.7	41
11	In situ, Reversible Gating of a Mechanosensitive Ion Channel through Protein-Lipid Interactions. <i>Frontiers in Physiology</i> , 2016, 7, 409.	2.8	7
12	Low-dimensional compounds containing cyanido groups. Part XXX. Recrystallization of Co(II) complexes with pseudohalogenide ligands leading to CO ₂ uptake and formation of dicyanoguanidine anion in newly created Co(III) complexes. <i>Polyhedron</i> , 2016, 117, 359-366.	2.2	10
13	Position and Orientation Control of a Photo- and Electrochromic Dithienylethene Using a Tripodal Anchor on Gold Surfaces. <i>Journal of Physical Chemistry C</i> , 2015, 119, 3648-3657.	3.1	22
14	Image guided drug release from pH-sensitive ion channel-functionalized stealth liposomes into an in vivo glioblastoma model. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015, 11, 1345-1354.	3.3	41
15	Study of light-induced MscL gating by EPR spectroscopy. <i>European Biophysics Journal</i> , 2015, 44, 557-565.	2.2	6
16	The activation mode of the mechanosensitive ion channel, MscL, by lysophosphatidylcholine differs from tension-induced gating. <i>FASEB Journal</i> , 2014, 28, 4292-4302.	0.5	42
17	Novel naphthalimide polyamine derivatives as potential antitumor agents. <i>Molecular Biology Reports</i> , 2013, 40, 4129-4137.	2.3	25
18	A diastereoselective C-C bond formation at C-5 of d-gulose. A convenient approach to (5S)-5-C-alkyl-1,2-l-lyxo-hexofuranoses. <i>Tetrahedron: Asymmetry</i> , 2013, 24, 1514-1519.	1.8	3

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19	Probing the SecYEG translocation pore size with preproteins conjugated with sizable rigid spherical molecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 7775-7780.	7.1	64
20	Antioxidative effect of some hydroxy substituted aromatic bisimines. <i>General Physiology and Biophysics</i> , 2009, 28, 210-214.	0.9	2
21	New Mechanistic Insight in the Thermal Helix Inversion of Second-Generation Molecular Motors. <i>Chemistry - A European Journal</i> , 2008, 14, 11183-11193.	3.3	28
22	The isolation and photochemistry of individual atropisomers of photochromic diarylethenes. <i>Chemical Communications</i> , 2007, , 1745.	4.1	58
23	Characterization by X-ray Photoemission Spectroscopy of the Open and Closed Forms of a Dithienylethene Switch in Thin Films. <i>Journal of Physical Chemistry C</i> , 2007, 111, 16533-16537.	3.1	14
24	Synthesis and utilization of reversible and irreversible light-activated nanovalves derived from the channel protein MscL. <i>Nature Protocols</i> , 2007, 2, 1426-1437.	12.0	63
25	Fine Tuning of the Rotary Motion by Structural Modification in Light-Driven Unidirectional Molecular Motors. <i>Journal of the American Chemical Society</i> , 2006, 128, 5127-5135.	13.7	212
26	Diastereoselective cyclization of a dithienylethene switch through single crystal confinement. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 1002.	2.8	34
27	Raman scattering and FT-IR spectroscopic studies on dithienylethene switches towards non-destructive optical readout. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 2387-2392.	2.8	48
28	Rationally Designed Chemical Modulators Convert a Bacterial Channel Protein into a pH-Sensory Valve. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 3126-3130.	13.8	66
29	Oxidative Electrochemical Switching in Dithienylcyclopentenes, Part 1: Effect of Electronic Perturbation on the Efficiency and Direction of Molecular Switching. <i>Chemistry - A European Journal</i> , 2005, 11, 6414-6429.	3.3	180
30	Oxidative Electrochemical Switching in Dithienylcyclopentenes, Part 2: Effect of Substitution and Asymmetry on the Efficiency and Direction of Molecular Switching and Redox Stability. <i>Chemistry - A European Journal</i> , 2005, 11, 6430-6441.	3.3	154
31	Synthesis and Properties of Dipyridylcyclopentenes. <i>Molecular Crystals and Liquid Crystals</i> , 2005, 431, 549-553.	0.9	4
32	A Light-Actuated Nanovalve Derived from a Channel Protein. <i>Science</i> , 2005, 309, 755-758.	12.6	495
33	Stereoselective synthesis of the 5-aminofuranoside part of polyoxins via (3,3)-sigmatropic rearrangement of allylic thiocyanates. <i>Tetrahedron Letters</i> , 2001, 42, 4401-4404.	1.4	14