

Thomas Halbritter

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

405
citations

840776

11
h-index

752698

20
g-index

22
all docs

22
docs citations

22
times ranked

570
citing authors

#	ARTICLE	IF	CITATIONS
1	Computationally Assisted Design of Polarizing Agents for Dynamic Nuclear Polarization Enhanced NMR: The AsymPol Family. <i>Journal of the American Chemical Society</i> , 2018, 140, 11013-11019.	13.7	92
2	Water-Soluble Py-BIPS Spiropyrans as Photoswitches for Biological Applications. <i>Organic Letters</i> , 2015, 17, 1517-1520.	4.6	55
3	Pyridine- π -Spiropyran Derivative as a Persistent, Reversible Photoacid in Water. <i>Journal of Organic Chemistry</i> , 2017, 82, 8040-8047.	3.2	36
4	Highly Efficient Polarizing Agents for MAS- μ DNP of Proton-Dense Molecular Solids. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	30
5	A Robust, Broadly Absorbing Fulgide Derivative as a Universal Chemical Actinometer for the UV to NIR Region. <i>ChemPhotoChem</i> , 2019, 3, 441-449.	3.0	24
6	Thermal, Photochromic and Dynamic Properties of Water-Soluble Spiropyrans. <i>ChemistrySelect</i> , 2017, 2, 4111-4123.	1.5	23
7	A light-responsive RNA aptamer for an azobenzene derivative. <i>Nucleic Acids Research</i> , 2019, 47, 2029-2040.	14.5	23
8	Frequency-chirped dynamic nuclear polarization with magic angle spinning using a frequency-agile gyrotron. <i>Journal of Magnetic Resonance</i> , 2019, 308, 106586.	2.1	18
9	Ultrafast Spectroscopy of Hydroxy-Substituted Azobenzenes in Water. <i>Chemistry - A European Journal</i> , 2015, 21, 15720-15731.	3.3	17
10	Dynamic Nuclear Polarization with Electron Decoupling in Intact Human Cells and Cell Lysates. <i>Journal of Physical Chemistry B</i> , 2020, 124, 2323-2330.	2.6	16
11	Proton-Transfer Dynamics of Photoacidic Merocyanines in Aqueous Solution. <i>Chemistry - A European Journal</i> , 2021, 27, 9160-9173.	3.3	14
12	Low-Threshold Reversible Electron-Induced and Selective Photoinduced Switching of Azobenzene Derivatives under Ambient Conditions. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 6326-6333.	4.6	9
13	A light-triggered transmembrane porin. <i>Chemical Communications</i> , 2018, 54, 9623-9626.	4.1	9
14	Controlling Self-Assembly of Switchable Azobenzene Derivatives on Highly Oriented Pyrolytic Graphite at Ambient Conditions. <i>Journal of Physical Chemistry C</i> , 2018, 122, 15330-15337.	3.1	8
15	Characterization of frequency-chirped dynamic nuclear polarization in rotating solids. <i>Journal of Magnetic Resonance</i> , 2020, 313, 106702.	2.1	8
16	Sensitivity analysis of magic angle spinning dynamic nuclear polarization below 6 K. <i>Journal of Magnetic Resonance</i> , 2019, 305, 51-57.	2.1	7
17	Light-Induced Quantitative and Electrical-Field-Induced Barrierless Switching of Spiropyran Derivative on Graphite Surface. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 5463-5468.	4.6	6
18	Noncovalent Spin-Labeling of DNA and RNA Triplexes. <i>Chemistry and Biodiversity</i> , 2020, 17, e1900676.	2.1	3

#	ARTICLE	IF	CITATIONS
19	Coumarin-4-methyl- and -hydroxyphenacyl-based photoacid generators with high solubility in aqueous media: synthesis, stability and photolysis. ChemPhotoChem, 2020, 4, 207-217.	3.0	3
20	In situ conductance monitoring of Pt thin film growth by area-selective atomic layer deposition. Nano Futures, 2017, 1, 025005.	2.2	3
21	Highly Efficient Polarizing Agents for MAS-DNP of Proton-Dense Molecular Solids. Angewandte Chemie, 0, , .	2.0	1