

# 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	Highly Efficient Polarizing Agents for MASâ€DNP of Protonâ€Dense Molecular Solids. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	30
2	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
3	Protonâ€Transfer Dynamics of Photoacidic Merocyanines in Aqueous Solution. <i>Chemistry - A European Journal</i> , 2021, 27, 9160-9173.	3.3	14
4	Noncovalent Spinâ€Labeling of DNA and RNA Triplexes. <i>Chemistry and Biodiversity</i> , 2020, 17, e1900676.	2.1	3
5	Coumarinâ€4â€methylâ€andpâ€Hydroxyphenacylâ€Based Photoacid Generators with High Solubility in Aqueous Media: Synthesis, Stability and Photolysis. <i>ChemPhotoChem</i> , 2020, 4, 207-217.	3.0	3
6	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
7	Characterization of frequency-chirped dynamic nuclear polarization in rotating solids. <i>Journal of Magnetic Resonance</i> , 2020, 313, 106702.	2.1	8
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	Sensitivity analysis of magic angle spinning dynamic nuclear polarization below 6â€K. <i>Journal of Magnetic Resonance</i> , 2019, 305, 51-57.	2.1	7
10	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
11	A light-responsive RNA aptamer for an azobenzene derivative. <i>Nucleic Acids Research</i> , 2019, 47, 2029-2040.	14.5	23
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	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
15	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
16	Thermal, Photochromic and Dynamic Properties of Water-Soluble Spiroyrans. <i>ChemistrySelect</i> , 2017, 2, 4111-4123.	1.5	23
17	Pyridineâ€Spiropyran Derivative as a Persistent, Reversible Photoacid in Water. <i>Journal of Organic Chemistry</i> , 2017, 82, 8040-8047.	3.2	36
18	In situ conductance monitoring of Pt thin film growth by area-selective atomic layer deposition. <i>Nano Futures</i> , 2017, 1, 025005.	2.2	3

#	ARTICLE	IF	CITATIONS
19	Ultrafast Spectroscopy of Hydroxy-Substituted Azobenzenes in Water. Chemistry - A European Journal, 2015, 21, 15720-15731.	3.3	17
20	Water-Soluble Py-BIPS Spiropyrans as Photoswitches for Biological Applications. Organic Letters, 2015, 17, 1517-1520.	4.6	55
21	Highly Efficient Polarizing Agents for MAS-DNP of Proton-Dense Molecular Solids. Angewandte Chemie, 0, , .	2.0	1