

Thorsten Maly

List of Publications by Year in descending order

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27
papers

1,726
citations

567281

15
h-index

610901

24
g-index

31
all docs

31
docs citations

31
times ranked

1731
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic nuclear polarization at high magnetic fields. <i>Journal of Chemical Physics</i> , 2008, 128, 052211.	3.0	734
2	Dynamic Nuclear Polarization with a Rigid Biradical. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 4996-5000.	13.8	248
3	Solid effect dynamic nuclear polarization and polarization pathways. <i>Journal of Chemical Physics</i> , 2012, 136, 015101.	3.0	99
4	Rigid Orthogonal Bis-TEMPO Biradicals with Improved Solubility for Dynamic Nuclear Polarization. <i>Journal of Organic Chemistry</i> , 2012, 77, 1789-1797.	3.2	75
5	Synthesis of a BDPA-TEMPO Biradical. <i>Organic Letters</i> , 2009, 11, 1871-1874.	4.6	61
6	¹ H Dynamic Nuclear Polarization Based on an Endogenous Radical. <i>Journal of Physical Chemistry B</i> , 2012, 116, 7055-7065.	2.6	59
7	2H-DNP-enhanced 2H- ¹³ C solid-state NMR correlation spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 5872.	2.8	55
8	High-Resolution MAS NMR Analysis of PI3-SH3 Amyloid Fibrils: Backbone Conformation and Implications for Protofilament Assembly and Structure. <i>Biochemistry</i> , 2010, 49, 7474-7484.	2.5	52
9	In situ High-Field Dynamic Nuclear Polarization—Direct and Indirect Polarization of ¹³ C nuclei. <i>ChemPhysChem</i> , 2010, 11, 999-1001.	2.1	46
10	Chlorophyll and Carotenoid Radicals in Photosystem II Studied by Pulsed ENDOR. <i>Biochemistry</i> , 2001, 40, 320-326.	2.5	43
11	Long-Range Correlations between Aliphatic ¹³ C Nuclei in Protein MAS NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 5708-5710.	13.8	35
12	Relaxation Filtered Hyperfine (REFINE) Spectroscopy: A Novel Tool for Studying Overlapping Biological Electron Paramagnetic Resonance Signals Applied to Mitochondrial Complex I. <i>Biochemistry</i> , 2004, 43, 3969-3978.	2.5	29
13	A field-sweep/field-lock system for superconducting magnets—Application to high-field EPR. <i>Journal of Magnetic Resonance</i> , 2006, 183, 303-307.	2.1	26
14	Multifrequency Pulsed Electron Paramagnetic Resonance on Metalloproteins. <i>Accounts of Chemical Research</i> , 2010, 43, 181-189.	15.6	21
15	2D-REFINE spectroscopy: Separation of overlapping hyperfine spectra. <i>Journal of Magnetic Resonance</i> , 2008, 192, 78-84.	2.1	17
16	Cluster N1 of complex I from <i>Yarrowia lipolytica</i> studied by pulsed EPR spectroscopy. <i>Journal of Biological Inorganic Chemistry</i> , 2006, 11, 343-350.	2.6	16
17	New pulsed EPR methods and their application to characterize mitochondrial complex I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2009, 1787, 584-592.	1.0	14
18	High-resolution Overhauser dynamic nuclear polarization enhanced proton NMR spectroscopy at low magnetic fields. <i>Journal of Magnetic Resonance</i> , 2020, 313, 106719.	2.1	11

#	ARTICLE	IF	CITATIONS
19	A ferromagnetic shim insert for NMR magnets – Towards an integrated gyrotron for DNP-NMR spectroscopy. <i>Journal of Magnetic Resonance</i> , 2017, 277, 1-7.	2.1	9
20	Overhauser dynamic nuclear polarization (ODNP)-enhanced two-dimensional proton NMR spectroscopy at low magnetic fields. <i>Magnetic Resonance</i> , 2021, 2, 117-128.	1.9	9
21	Simplified THz Instrumentation for High-Field DNP-NMR Spectroscopy. <i>Applied Magnetic Resonance</i> , 2012, 43, 181-194.	1.2	8
22	A compact 395 GHz gyrotron for Dynamic Nuclear Polarization. , 2011, , .		3
23	An overmoded 140 GHz, 1 kW quasioptical gyro-twt with an internal mode converter. , 2009, , .		2
24	Compact gyrotron systems for Dynamic Nuclear Polarization NMR spectroscopy. , 2012, , .		2
25	Compact, tunable polarization transforming reflector for quasi-optical devices used in terahertz science. <i>Review of Scientific Instruments</i> , 2022, 93, 013102.	1.3	2
26	Corrugated transmission line systems for 395 GHz/600 MHz and 460 GHz/700 MHz DNP-NMR spectroscopy. , 2014, , .		1
27	Thermo-mechanical analysis of a probe for electron paramagnetic resonance spectroscopy operating at cryogenic temperatures. <i>Review of Scientific Instruments</i> , 2019, 90, 045123.	1.3	1