

Mor Mishkovsky

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/869155/publications.pdf>

Version: 2024-02-01

25
papers

964
citations

471061

17
h-index

552369

26
g-index

29
all docs

29
docs citations

29
times ranked

939
citing authors

#	ARTICLE	IF	CITATIONS
1	Progress in Hyperpolarized Ultrafast 2D NMR Spectroscopy. <i>ChemPhysChem</i> , 2008, 9, 2340-2348.	1.0	93
2	Hyperpolarization without persistent radicals for in vivo real-time metabolic imaging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 18064-18069.	3.3	90
3	Scavenging Free Radicals To Preserve Enhancement and Extend Relaxation Times in NMR using Dynamic Nuclear Polarization. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 6182-6185.	7.2	89
4	Real-Time Monitoring of Chemical Transformations by Ultrafast 2D NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2006, 128, 951-956.	6.6	78
5	Principles and Progress in Ultrafast Multidimensional Nuclear Magnetic Resonance. <i>Annual Review of Physical Chemistry</i> , 2009, 60, 429-448.	4.8	73
6	<i>In Vivo</i> Detection of Brain Krebs Cycle Intermediate by Hyperpolarized Magnetic Resonance. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012, 32, 2108-2113.	2.4	72
7	Automated transfer and injection of hyperpolarized molecules with polarization measurement prior to <i>in vivo</i> NMR. <i>NMR in Biomedicine</i> , 2013, 26, 1582-1588.	1.6	62
8	In vivo enzymatic activity of acetylCoA synthetase in skeletal muscle revealed by ¹³ C turnover from hyperpolarized [1- ¹³ C]acetate to [1- ¹³ C]acetylcarnitine. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 4171-4178.	1.1	61
9	Measuring glucose cerebral metabolism in the healthy mouse using hyperpolarized ¹³ C magnetic resonance. <i>Scientific Reports</i> , 2017, 7, 11719.	1.6	43
10	Nearly 106-fold enhancements in intermolecular ¹ H double-quantum NMR experiments by nuclear hyperpolarization. <i>Journal of Magnetic Resonance</i> , 2009, 200, 142-146.	1.2	32
11	Perfect state transfers by selective quantum interferences within complex spin networks. <i>Physical Review A</i> , 2010, 81, .	1.0	31
12	Hyperpolarized ¹³ C Magnetic Resonance Spectroscopy Reveals the Rate-Limiting Role of the Blood-Brain Barrier in the Cerebral Uptake and Metabolism of ¹³ C-Lactate <i>In Vivo</i> . <i>ACS Chemical Neuroscience</i> , 2018, 9, 2554-2562.	1.7	31
13	Localized in vivo hyperpolarization transfer sequences. <i>Magnetic Resonance in Medicine</i> , 2012, 68, 349-352.	1.9	27
14	Evaluating the potential of hyperpolarised [1- ¹³ C] L-lactate as a neuroprotectant metabolic biosensor for stroke. <i>Scientific Reports</i> , 2020, 10, 5507.	1.6	26
15	Interlaced Fourier transformation of ultrafast 2D NMR data. <i>Journal of Magnetic Resonance</i> , 2005, 173, 344-350.	1.2	24
16	Ultrafast-based projection-reconstruction three-dimensional nuclear magnetic resonance spectroscopy. <i>Journal of Chemical Physics</i> , 2007, 127, 034507.	1.2	20
17	Producing Radical-Free Hyperpolarized Perfusion Agents for In Vivo Magnetic Resonance Using Spin-Labeled Thermoresponsive Hydrogel. <i>Macromolecular Rapid Communications</i> , 2016, 37, 1074-1078.	2.0	17
18	Hyperpolarized MRS: New tool to study real-time brain function and metabolism. <i>Analytical Biochemistry</i> , 2017, 529, 270-277.	1.1	16

#	ARTICLE	IF	CITATIONS
19	Hyperpolarized ⁶ Li as a probe for hemoglobin oxygenation level. Contrast Media and Molecular Imaging, 2016, 11, 41-46.	0.4	15
20	Noninvasive rapid detection of metabolic adaptation in activated human T lymphocytes by hyperpolarized ¹³ C magnetic resonance. Scientific Reports, 2020, 10, 200.	1.6	15
21	Hyperpolarized ¹³ C-glucose magnetic resonance highlights reduced aerobic glycolysis in vivo in infiltrative glioblastoma. Scientific Reports, 2021, 11, 5771.	1.6	13
22	Spatially encoded strategies in the execution of biomolecular-oriented 3D NMR experiments. Journal of Biomolecular NMR, 2007, 39, 291-301.	1.6	10
23	Measuring Glycolytic Activity with Hyperpolarized [² H ₇ , U- ¹³ C ₆] D-Glucose in the Naive Mouse Brain under Different Anesthetic Conditions. Metabolites, 2021, 11, 413.	1.3	7
24	Correcting surface coil excitation inhomogeneities in single-shot SPEN MRI. Journal of Magnetic Resonance, 2015, 259, 199-206.	1.2	5
25	Sensitivity Enhancement in 1D Heteronuclear NMR Spectroscopy via Single-Scan Inverse Experiments. ChemPhysChem, 2004, 5, 779-786.	1.0	4