

# Mor Mishkovsky

## List of Publications by Year in descending order

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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	Hyperpolarized <sup>13</sup> C-glucose magnetic resonance highlights reduced aerobic glycolysis in vivo in infiltrative glioblastoma. <i>Scientific Reports</i> , 2021, 11, 5771.	1.6	13
2	Measuring Glycolytic Activity with Hyperpolarized [2H7, U-13C6] D-Glucose in the Naive Mouse Brain under Different Anesthetic Conditions. <i>Metabolites</i> , 2021, 11, 413.	1.3	7
3	Noninvasive rapid detection of metabolic adaptation in activated human T lymphocytes by hyperpolarized <sup>13</sup> C magnetic resonance. <i>Scientific Reports</i> , 2020, 10, 200.	1.6	15
4	Evaluating the potential of hyperpolarised [1- <sup>13</sup> C] L-lactate as a neuroprotectant metabolic biosensor for stroke. <i>Scientific Reports</i> , 2020, 10, 5507.	1.6	26
5	Hyperpolarized <sup>13</sup> C Magnetic Resonance Spectroscopy Reveals the Rate-Limiting Role of the Blood-Brain Barrier in the Cerebral Uptake and Metabolism of L-Lactate <i>in Vivo</i> . <i>ACS Chemical Neuroscience</i> , 2018, 9, 2554-2562.	1.7	31
6	Measuring glucose cerebral metabolism in the healthy mouse using hyperpolarized <sup>13</sup> C magnetic resonance. <i>Scientific Reports</i> , 2017, 7, 11719.	1.6	43
7	Hyperpolarized MRS: New tool to study real-time brain function and metabolism. <i>Analytical Biochemistry</i> , 2017, 529, 270-277.	1.1	16
8	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
9	Hyperpolarized <sup>6</sup> Li as a probe for hemoglobin oxygenation level. <i>Contrast Media and Molecular Imaging</i> , 2016, 11, 41-46.	0.4	15
10	Correcting surface coil excitation inhomogeneities in single-shot SPEN MRI. <i>Journal of Magnetic Resonance</i> , 2015, 259, 199-206.	1.2	5
11	In vivo enzymatic activity of acetylCoA synthetase in skeletal muscle revealed by <sup>13</sup> C turnover from hyperpolarized [1- <sup>13</sup> C]acetate to [1- <sup>13</sup> C]acetylcarnitine. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 4171-4178.	1.1	61
12	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
13	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
14	<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
15	Localized in vivo hyperpolarization transfer sequences. <i>Magnetic Resonance in Medicine</i> , 2012, 68, 349-352.	1.9	27
16	Perfect state transfers by selective quantum interferences within complex spin networks. <i>Physical Review A</i> , 2010, 81, .	1.0	31
17	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
18	Nearly 106-fold enhancements in intermolecular <sup>1</sup> H double-quantum NMR experiments by nuclear hyperpolarization. <i>Journal of Magnetic Resonance</i> , 2009, 200, 142-146.	1.2	32

#	ARTICLE	IF	CITATIONS
19	Principles and Progress in Ultrafast Multidimensional Nuclear Magnetic Resonance. Annual Review of Physical Chemistry, 2009, 60, 429-448.	4.8	73
20	Progress in Hyperpolarized Ultrafast 2D NMR Spectroscopy. ChemPhysChem, 2008, 9, 2340-2348.	1.0	93
21	Ultrafast-based projection-reconstruction three-dimensional nuclear magnetic resonance spectroscopy. Journal of Chemical Physics, 2007, 127, 034507.	1.2	20
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	Real-Time Monitoring of Chemical Transformations by Ultrafast 2D NMR Spectroscopy. Journal of the American Chemical Society, 2006, 128, 951-956.	6.6	78
24	Interlaced Fourier transformation of ultrafast 2D NMR data. Journal of Magnetic Resonance, 2005, 173, 344-350.	1.2	24
25	Sensitivity Enhancement in 1D Heteronuclear NMR Spectroscopy via Single-Scan Inverse Experiments. ChemPhysChem, 2004, 5, 779-786.	1.0	4