

Jonas Milani

List of Publications by Year in descending order

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papers

857
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516710

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docs citations

22
times ranked

715
citing authors

#	ARTICLE	IF	CITATIONS
1	Hybrid polarizing solids for pure hyperpolarized liquids through dissolution dynamic nuclear polarization. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 14693-14697.	7.1	93
2	Hyperpolarized NMR of plant and cancer cell extracts at natural abundance. Analyst, The, 2015, 140, 5860-5863.	3.5	87
3	Transportable hyperpolarized metabolites. Nature Communications, 2017, 8, 13975.	12.8	86
4	Microwave frequency modulation to enhance Dissolution Dynamic Nuclear Polarization. Chemical Physics Letters, 2014, 602, 63-67.	2.6	81
5	A magnetic tunnel to shelter hyperpolarized fluids. Review of Scientific Instruments, 2015, 86, 024101.	1.3	77
6	Hyperpolarized Water to Study Protein-Ligand Interactions. Journal of Physical Chemistry Letters, 2015, 6, 1674-1678.	4.6	62
7	Highly Repeatable Dissolution Dynamic Nuclear Polarization for Heteronuclear NMR Metabolomics. Analytical Chemistry, 2016, 88, 6179-6183.	6.5	57
8	Long-Lived States of Magnetically Equivalent Spins Populated by Dissolution-DNP and Revealed by Enzymatic Reactions. Chemistry - A European Journal, 2014, 20, 17113-17118.	3.3	50
9	Hyperpolarization of Deuterated Metabolites via Remote Cross-Polarization and Dissolution Dynamic Nuclear Polarization. Journal of Physical Chemistry B, 2014, 118, 1411-1415.	2.6	48
10	Filterable Agents for Hyperpolarization of Water, Metabolites, and Proteins. Chemistry - A European Journal, 2016, 22, 14696-14700.	3.3	31
11	Challenges in preparing, preserving and detecting para-water in bulk: overcoming proton exchange and other hurdles. Physical Chemistry Chemical Physics, 2015, 17, 26819-26827.	2.8	29
12	Hyperpolarized <i>para</i> -Ethanol. Journal of Physical Chemistry B, 2015, 119, 4048-4052.	2.6	26
13	Porous functionalized polymers enable generating and transporting hyperpolarized mixtures of metabolites. Nature Communications, 2021, 12, 4695.	12.8	23
14	Hyperpolarization of nitrogen-15 nuclei by cross polarization and dissolution dynamic nuclear polarization. Review of Scientific Instruments, 2017, 88, 015109.	1.3	19
15	Measuring absolute spin polarization in dissolution-DNP by Spin Polarimetry Magnetic Resonance (SPY-MR). Journal of Magnetic Resonance, 2015, 260, 127-135.	2.1	18
16	Hyperpolarization of Frozen Hydrocarbon Gases by Dynamic Nuclear Polarization at 1.2 K. Journal of Physical Chemistry Letters, 2016, 7, 3235-3239.	4.6	18
17	An automated system for fast transfer and injection of hyperpolarized solutions. Journal of Magnetic Resonance Open, 2021, 8-9, 100017.	1.1	14
18	Dissolution dynamic nuclear polarization of deuterated molecules enhanced by cross-polarization. Journal of Chemical Physics, 2016, 145, 194203.	3.0	12

#	ARTICLE	IF	CITATIONS
19	Cross polarization from ¹ H to quadrupolar ⁶ Li nuclei for dissolution DNP. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 24813-24817.	2.8	8
20	Electrochemical Overhauser dynamic nuclear polarization. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 17769-17776.	2.8	7
21	Phenylazide Hybrid-Silica Polarization Platform for Dynamic Nuclear Polarization at Cryogenic Temperatures. <i>Helvetica Chimica Acta</i> , 2017, 100, e1600122.	1.6	6
22	Blatter-type radicals as polarizing agents for electrochemical overhauser dynamic nuclear polarization. <i>Chemical Communications</i> , 2022, 58, 689-692.	4.1	5