

Sean Bowen

List of Publications by Year in descending order

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papers

817
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623734

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docs citations

23
times ranked

732
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection of lentiviral suicide gene therapy in C6 rat glioma using hyperpolarised [^{13}C]pyruvate. NMR in Biomedicine, 2020, 33, e4250.	2.8	3
2	Cryogen-free dissolution dynamic nuclear polarization polarizer operating at 3.35 T, 6.70 T, and 10.1 T. Magnetic Resonance in Medicine, 2019, 81, 2184-2194.	3.0	85
3	Simultaneous imaging of hyperpolarized [^{13}C] ₂ fumarate, [^{13}C]pyruvate and [^{18}F]FDG in a rat model of necrosis in a clinical PET/MR scanner. NMR in Biomedicine, 2017, 30, e3803.	2.8	13
4	Large dose hyperpolarized water with dissolution-DNP at high magnetic field. Journal of Magnetic Resonance, 2017, 274, 65-72.	2.1	29
5	Waveguide transition with vacuum window for multiband dynamic nuclear polarization systems. Review of Scientific Instruments, 2016, 87, 054705.	1.3	5
6	Tunable $^{13}\text{C}/^1\text{H}$ dual channel matching circuit for dynamic nuclear polarization system with cross-polarization. , 2016, , .		2
7	Modeling of Schottky barrier diode millimeter-wave multipliers at cryogenic temperatures. , 2015, , .		4
8	Dissolution Dynamic Nuclear Polarization of Non-Self-Glassing Agents: Spectroscopy and Relaxation of Hyperpolarized [^{13}C]Acetate. Journal of Physical Chemistry A, 2015, 119, 1885-1893.	2.5	17
9	Enhanced performance large volume dissolution-DNP. Journal of Magnetic Resonance, 2014, 240, 90-94.	2.1	9
10	Storage of magnetization as singlet order by optimal control designed pulses. Magnetic Resonance in Medicine, 2014, 71, 921-926.	3.0	9
11	Hyperpolarized H_2O MR angiography. Magnetic Resonance in Medicine, 2014, 71, 50-56.	3.0	26
12	Assessment of early diabetic renal changes with hyperpolarized [^{13}C]pyruvate. Diabetes/Metabolism Research and Reviews, 2013, 29, 125-129.	4.0	83
13	Formulation and utilization of choline based samples for dissolution dynamic nuclear polarization. Journal of Magnetic Resonance, 2013, 236, 26-30.	2.1	15
14	Recycling and Imaging of Nuclear Singlet Hyperpolarization. Journal of the American Chemical Society, 2013, 135, 5084-5088.	13.7	94
15	Rapid determination of biosynthetic pathways using fractional isotope enrichment and high-resolution dynamic nuclear polarization enhanced NMR. NMR in Biomedicine, 2011, 24, 1016-1022.	2.8	13
16	Spontaneous emission of NMR signals in hyperpolarized proton spin systems. Journal of Magnetic Resonance, 2011, 208, 204-209.	2.1	47
17	An NMR Experiment Based on Off-the-Shelf Digital Data-Acquisition Equipment. Journal of Chemical Education, 2010, 87, 747-749.	2.3	10
18	Applications of dynamic nuclear polarization to the study of reactions and reagents in organic and biomolecular chemistry. Organic and Biomolecular Chemistry, 2010, 8, 3361.	2.8	21

#	ARTICLE	IF	CITATIONS
19	Rapid sample injection for hyperpolarized NMR spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 5766.	2.8	118
20	Sequentially acquired two-dimensional NMR spectra from hyperpolarized sample. <i>Journal of Magnetic Resonance</i> , 2009, 199, 159-165.	2.1	49
21	Temporal Chemical Shift Correlations in Reactions Studied by Hyperpolarized Nuclear Magnetic Resonance. <i>Analytical Chemistry</i> , 2009, 81, 4543-4547.	6.5	27
22	Time-Resolved Dynamic Nuclear Polarization Enhanced NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 5235-5237.	13.8	111
23	Chemical Shift Correlations from Hyperpolarized NMR by Off-Resonance Decoupling. <i>Analytical Chemistry</i> , 2008, 80, 5794-5798.	6.5	27