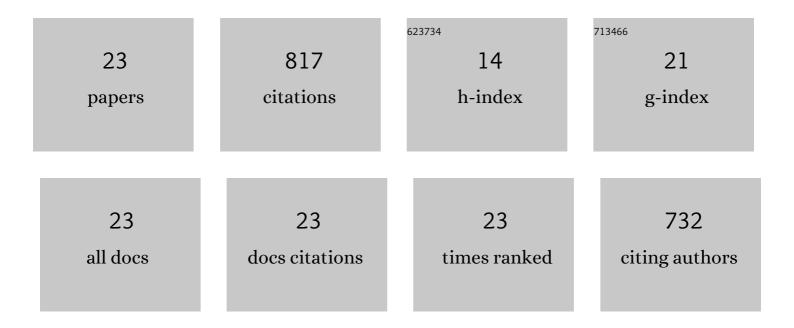
Sean Bowen

List of Publications by Year in descending order

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SEAN ROWEN

| # | Article | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Detection of lentiviral suicide gene therapy in C6 rat glioma using hyperpolarised [1―13 C]pyruvate. NMR in Biomedicine, 2020, 33, e4250. | 2.8 | 3 |
| 2 | Cryogenâ€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 [1,4â€< sup>13C ₂]fumarate, [1â€< sup>13C]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 13C/1H 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 [1- 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 ₂ O MR angiography. Magnetic Resonance in Medicine, 2014, 71, 50-56. | 3.0 | 26 |
| 12 | Assessment of early diabetic renal changes with hyperpolarized [1â€ 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 highâ€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 |

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