

Robert K Irwin

List of Publications by Year in descending order

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Version: 2024-02-01

7
papers

82
citations

1684188

5
h-index

1720034

7
g-index

7
all docs

7
docs citations

7
times ranked

53
citing authors

| # | ARTICLE | IF | CITATIONS |
|---|---|------|-----------|
| 1 | Enabling Clinical Technologies for Hyperpolarized ¹²⁹ Xenon Magnetic Resonance Imaging and Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22126-22147. | 13.8 | 26 |
| 2 | Batch-Mode Clinical-Scale Optical Hyperpolarization of Xenon-129 Using an Aluminum Jacket with Rapid Temperature Ramping. <i>Analytical Chemistry</i> , 2020, 92, 4309-4316. | 6.5 | 19 |
| 3 | XeUS: A second-generation automated open-source batch-mode clinical-scale hyperpolarizer. <i>Journal of Magnetic Resonance</i> , 2020, 319, 106813. | 2.1 | 16 |
| 4 | Pilot multi-site quality assurance study of batch-mode clinical-scale automated xenon-129 hyperpolarizers. <i>Journal of Magnetic Resonance</i> , 2020, 316, 106755. | 2.1 | 9 |
| 5 | Helium-rich mixtures for improved batch-mode clinical-scale spin-exchange optical pumping of Xenon-129. <i>Journal of Magnetic Resonance</i> , 2020, 315, 106739. | 2.1 | 6 |
| 6 | Automated Low-Cost In Situ IR and NMR Spectroscopy Characterization of Clinical-Scale ¹²⁹ Xe Spin-Exchange Optical Pumping. <i>Analytical Chemistry</i> , 2021, 93, 3883-3888. | 6.5 | 3 |
| 7 | Enabling Clinical Technologies for Hyperpolarized ¹²⁹ Xenon Magnetic Resonance Imaging and Spectroscopy. <i>Angewandte Chemie</i> , 2021, 133, 22298-22319. | 2.0 | 3 |