

Edward P Saliba

List of Publications by Year in descending order

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19
papers

416
citations

759233

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839539

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19
docs citations

19
times ranked

304
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic Nuclear Polarization Nuclear Magnetic Resonance in Human Cells Using Fluorescent Polarizing Agents. <i>Biochemistry</i> , 2018, 57, 4741-4746.	2.5	58
2	Electron Decoupling with Dynamic Nuclear Polarization in Rotating Solids. <i>Journal of the American Chemical Society</i> , 2017, 139, 6310-6313.	13.7	57
3	Frequency-agile gyrotron for electron decoupling and pulsed dynamic nuclear polarization. <i>Journal of Magnetic Resonance</i> , 2018, 289, 45-54.	2.1	47
4	Magic angle spinning spheres. <i>Science Advances</i> , 2018, 4, eaau1540.	10.3	40
5	Frequency swept microwaves for hyperfine decoupling and time domain dynamic nuclear polarization. <i>Solid State Nuclear Magnetic Resonance</i> , 2015, 72, 79-89.	2.3	36
6	Magic angle spinning NMR below 6 K with a computational fluid dynamics analysis of fluid flow and temperature gradients. <i>Journal of Magnetic Resonance</i> , 2018, 286, 1-9.	2.1	32
7	Four millimeter spherical rotors spinning at 28 kHz with double-saddle coils for cross polarization NMR. <i>Journal of Magnetic Resonance</i> , 2019, 303, 1-6.	2.1	21
8	Frequency-chirped dynamic nuclear polarization with magic angle spinning using a frequency-agile gyrotron. <i>Journal of Magnetic Resonance</i> , 2019, 308, 106586.	2.1	18
9	Pulsed Electron Decoupling and Strategies for Time Domain Dynamic Nuclear Polarization with Magic Angle Spinning. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 5539-5547.	4.6	17
10	Dynamic Nuclear Polarization with Electron Decoupling in Intact Human Cells and Cell Lysates. <i>Journal of Physical Chemistry B</i> , 2020, 124, 2323-2330.	2.6	16
11	A versatile custom cryostat for dynamic nuclear polarization supports multiple cryogenic magic angle spinning transmission line probes. <i>Journal of Magnetic Resonance</i> , 2018, 297, 23-32.	2.1	15
12	Instrumentation for cryogenic magic angle spinning dynamic nuclear polarization using 90 L of liquid nitrogen per day. <i>Journal of Magnetic Resonance</i> , 2017, 283, 71-78.	2.1	14
13	Electron decoupling with cross polarization and dynamic nuclear polarization below 6 K. <i>Journal of Magnetic Resonance</i> , 2018, 295, 1-5.	2.1	12
14	Electron Decoupling with Chirped Microwave Pulses for Rapid Signal Acquisition and Electron Saturation Recovery. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7259-7262.	13.8	11
15	Characterization of frequency-chirped dynamic nuclear polarization in rotating solids. <i>Journal of Magnetic Resonance</i> , 2020, 313, 106702.	2.1	8
16	Sensitivity analysis of magic angle spinning dynamic nuclear polarization below 6 K. <i>Journal of Magnetic Resonance</i> , 2019, 305, 51-57.	2.1	7
17	Electron Decoupling with Chirped Microwave Pulses for Rapid Signal Acquisition and Electron Saturation Recovery. <i>Angewandte Chemie</i> , 2019, 131, 7337-7340.	2.0	4
18	Fast electron paramagnetic resonance magic angle spinning simulations using analytical powder averaging techniques. <i>Journal of Chemical Physics</i> , 2019, 151, 114107.	3.0	3

#	ARTICLE	IF	CITATIONS
19	The Clebschâ€“Gordan Coefficients and Their Application to Magnetic Resonance. Concepts in Magnetic Resonance Part A: Bridging Education and Research, 2022, 2022, 1-18.	0.5	0