Efficient conversion of anti-phase spin order of protons magnetisation using SLIC-SABRE

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Citation Report

#	Article	IF	Citations
1	Chemical Exchange Reaction Effect on Polarization Transfer Efficiency in SLIC-SABRE. Journal of Physical Chemistry A, 2018, 122, 9107-9114.	1.1	33
2	15 N Hyperpolarization of Dalfampridine at Natural Abundance for Magnetic Resonance Imaging. Chemistry - A European Journal, 2019, 25, 12694-12697.	1.7	18
3	Simulating Nonâ€linear Chemical and Physical (CAP) Dynamics of Signal Amplification By Reversible Exchange (SABRE). Chemistry - A European Journal, 2019, 25, 7659-7668.	1.7	25
4	Indirect Detection of Short-Lived Hydride Intermediates of Iridium N-Heterocyclic Carbene Complexes via Chemical Exchange Saturation Transfer Spectroscopy. Journal of Physical Chemistry C, 2019, 123, 16288-16293.	1.5	35
5	Quantitative quantum mechanical approach to SABRE hyperpolarization at high magnetic fields. Journal of Chemical Physics, 2019, 150, 124106.	1.2	12
6	Robust transformation of singlet order into heteronuclear magnetisation over an extended coupling range. Journal of Magnetic Resonance, 2020, 321, 106850.	1.2	7
7	Analysis of 1-aminoisoquinoline using the signal amplification by reversible exchange hyperpolarization technique. Analyst, The, 2020, 145, 6478-6484.	1.7	2
8	Theoretical description of hyperpolarization formation in the SABRE-relay method. Journal of Chemical Physics, 2020, 153, 164106.	1.2	9
9	Synthesis and 15 N NMR Signal Amplification by Reversible Exchange of [15 N]Dalfampridine at Microtesla Magnetic Fields. ChemPhysChem, 2021, 22, 960-967.	1.0	8
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15	Improving SABRE hyperpolarization with highly nonintuitive pulse sequences: Moving beyond avoided crossings to describe dynamics. Science Advances, 2022, 8, eabl3708.	4.7	19
16	SABRE enhancement with oscillating pulse sequences. Physical Chemistry Chemical Physics, 2022, 24, 16462-16470.	1.3	5
17	Recent advances in the application of parahydrogen in catalysis and biochemistry. RSC Advances, 2022, 12, 12477-12506.	1.7	25
18	Toward Optimizing and Understanding Reversible Hyperpolarization of Lactate Esters Relayed from para-Hydrogen. Journal of Physical Chemistry Letters, 2022, 13, 6859-6866.	2.1	4

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19	Multiaxial fields improve SABRE efficiency by preserving hydride order. Journal of Magnetic Resonance, 2022, 342, 107282.	1.2	4
20	Subsecond Three-Dimensional Nitrogen-15 Magnetic Resonance Imaging Facilitated by Parahydrogen-Based Hyperpolarization. Journal of Physical Chemistry Letters, 2022, 13, 10253-10260.	2.1	3
21	LIGHT-SABRE Hyperpolarizes 1-¹³C-Pyruvate Continuously without Magnetic Field Cycling. Journal of Physical Chemistry C, 2023, 127, 6744-6753.	1.5	8