

Richard O John

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

265
citations

1163117

8
h-index

1474206

9
g-index

10
all docs

10
docs citations

10
times ranked

236
citing authors

#	ARTICLE	IF	CITATIONS
1	Strategies for the Hyperpolarization of Acetonitrile and Related Ligands by SABRE. <i>Journal of Physical Chemistry B</i> , 2015, 119, 1416-1424.	2.6	87
2	Fine-tuning the efficiency of para-hydrogen-induced hyperpolarization by rational N-heterocyclic carbene design. <i>Nature Communications</i> , 2018, 9, 4251.	12.8	71
3	Quantification of hyperpolarisation efficiency in SABRE and SABRE-Relay enhanced NMR spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 26362-26371.	2.8	31
4	Using coligands to gain mechanistic insight into iridium complexes hyperpolarized with <i>para</i> -hydrogen. <i>Chemical Science</i> , 2019, 10, 5235-5245.	7.4	20
5	Mechanistic insight into novel sulfoxide containing SABRE polarisation transfer catalysts. <i>Dalton Transactions</i> , 2019, 48, 15198-15206.	3.3	18
6	Using hyperpolarised NMR and DFT to rationalise the unexpected hydrogenation of quinazoline to 3,4-dihydroquinazoline. <i>Chemical Communications</i> , 2018, 54, 10375-10378.	4.1	10
7	Hyperpolarisation of weakly binding N-heterocycles using signal amplification by reversible exchange. <i>Chemical Science</i> , 2021, 12, 5910-5917.	7.4	10
8	Detection of Unusual Reaction Intermediates during the Conversion of $W(N_2)_2(dppe)_2$ to $W(H)_4(dppe)_2$ and of H_2O into H_2 . <i>Journal of the American Chemical Society</i> , 2012, 134, 18257-18265.	13.7	8
9	In Situ SABRE Hyperpolarization with Earth's Field NMR Detection. <i>Molecules</i> , 2019, 24, 4126.	3.8	8
10	Contrasting Photochemical and Thermal Catalysis by Ruthenium Arsine Complexes Revealed by Parahydrogen Enhanced NMR Spectroscopy. <i>European Journal of Inorganic Chemistry</i> , 2022, 2022, .	2.0	2