

# Michael A Hope

## List of Publications by Year in descending order

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23  
papers

3,706  
citations

489802

18  
h-index

721071

23  
g-index

23  
all docs

23  
docs citations

23  
times ranked

5610  
citing authors

#	ARTICLE	IF	CITATIONS
1	Colloidal-ALD-Grown Hybrid Shells Nucleate via a Ligand-Precursor Complex. <i>Journal of the American Chemical Society</i> , 2022, 144, 3998-4008.	6.6	12
2	Efficient and Stable Large Bandgap MAPbBr <sub>3</sub> Perovskite Solar Cell Attaining an Open Circuit Voltage of 1.65 V. <i>ACS Energy Letters</i> , 2022, 7, 1112-1119.	8.8	21
3	Pseudo-halide anion engineering for $\pm$ -FAPbI <sub>3</sub> perovskite solar cells. <i>Nature</i> , 2021, 592, 381-385.	13.7	2,095
4	Multimodal host-guest complexation for efficient and stable perovskite photovoltaics. <i>Nature Communications</i> , 2021, 12, 3383.	5.8	72
5	Tetrafluoroborate-Induced Reduction in Defect Density in Hybrid Perovskites through Halide Management. <i>Advanced Materials</i> , 2021, 33, e2102462.	11.1	24
6	Endogenous <sup>17</sup> O Dynamic Nuclear Polarization of Gd-Doped CeO <sub>2</sub> from 100 to 370 K. <i>Journal of Physical Chemistry C</i> , 2021, 125, 18799-18809.	1.5	18
7	Nanoscale Phase Segregation in Supramolecular $\pi$ -Templating for Hybrid Perovskite Photovoltaics from NMR Crystallography. <i>Journal of the American Chemical Society</i> , 2021, 143, 1529-1538.	6.6	55
8	A Magic Angle Spinning Activated <sup>17</sup> O DNP Raser. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 345-349.	2.1	23
9	Unravelling the Behavior of Dion-Jacobson Layered Hybrid Perovskites in Humid Environments. <i>ACS Energy Letters</i> , 2021, 6, 337-344.	8.8	44
10	The Role of Alkyl Chain Length and Halide Counter Ion in Layered Dion-Jacobson Perovskites with Aromatic Spacers. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 10325-10332.	2.1	23
11	Bulk and Surface Chemistry of the Niobium MAX and MXene Phases from Multinuclear Solid-State NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2020, 142, 18924-18935.	6.6	35
12	Sensitivity Enhancements in Lithium Titanates by Incipient Wetness Impregnation DNP NMR. <i>Journal of Physical Chemistry C</i> , 2020, 124, 16524-16528.	1.5	13
13	Revealing the Structure and Oxygen Transport at Interfaces in Complex Oxide Heterostructures via <sup>17</sup> O NMR Spectroscopy. <i>Chemistry of Materials</i> , 2020, 32, 7921-7931.	3.2	5
14	Crown Ether Modulation Enables over 23% Efficient Formamidinium-Based Perovskite Solar Cells. <i>Journal of the American Chemical Society</i> , 2020, 142, 19980-19991.	6.6	145
15	Selective NMR observation of the SEI-metal interface by dynamic nuclear polarisation from lithium metal. <i>Nature Communications</i> , 2020, 11, 2224.	5.8	91
16	Cesium Substitution Disrupts Concerted Cation Dynamics in Formamidinium Hybrid Perovskites. <i>Chemistry of Materials</i> , 2020, 32, 6266-6277.	3.2	38
17	Interactions of Oxide Surfaces with Water Revealed with Solid-State NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2020, 142, 11173-11182.	6.6	24
18	Ionic and Electronic Conduction in TiNb <sub>2</sub> O <sub>7</sub> . <i>Journal of the American Chemical Society</i> , 2019, 141, 16706-16725.	6.6	134

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19	A $^{17}\text{O}$ paramagnetic NMR study of $\text{Sm}_2\text{O}_3$ , $\text{Eu}_2\text{O}_3$ , and Sm/Eu-substituted $\text{CeO}_2$ . Solid State Nuclear Magnetic Resonance, 2019, 102, 21-30.	1.5	10
20	Polar surface structure of oxide nanocrystals revealed with solid-state NMR spectroscopy. Nature Communications, 2019, 10, 5420.	5.8	41
21	The Role of Ionic Liquid Breakdown in the Electrochemical Metallization of $\text{VO}_2$ : An NMR Study of Gating Mechanisms and $\text{VO}_2$ Reduction. Journal of the American Chemical Society, 2018, 140, 16685-16696.	6.6	32
22	Surface-selective direct $^{17}\text{O}$ DNP NMR of $\text{CeO}_2$ nanoparticles. Chemical Communications, 2017, 53, 2142-2145.	2.2	62
23	NMR reveals the surface functionalisation of $\text{Ti}_3\text{C}_2$ MXene. Physical Chemistry Chemical Physics, 2016, 18, 5099-5102.	1.3	689