

# Michael A Hope

## List of Publications by Year in descending order

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23  
papers

3,706  
citations

430874

18  
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642732

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23  
docs citations

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times ranked

4823  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pseudo-halide anion engineering for $\pm$ -FAPbI <sub>3</sub> perovskite solar cells. <i>Nature</i> , 2021, 592, 381-385.	27.8	2,095
2	NMR reveals the surface functionalisation of Ti <sub>3</sub> C <sub>2</sub> MXene. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 5099-5102.	2.8	689
3	Crown Ether Modulation Enables over 23% Efficient Formamidinium-Based Perovskite Solar Cells. <i>Journal of the American Chemical Society</i> , 2020, 142, 19980-19991.	13.7	145
4	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.	13.7	134
5	Selective NMR observation of the SEI-metal interface by dynamic nuclear polarisation from lithium metal. <i>Nature Communications</i> , 2020, 11, 2224.	12.8	91
6	Multimodal host-guest complexation for efficient and stable perovskite photovoltaics. <i>Nature Communications</i> , 2021, 12, 3383.	12.8	72
7	Surface-selective direct <sup>17</sup> O DNP NMR of CeO <sub>2</sub> nanoparticles. <i>Chemical Communications</i> , 2017, 53, 2142-2145.	4.1	62
8	Nanoscale Phase Segregation in Supramolecular $\beta$ -Templating for Hybrid Perovskite Photovoltaics from NMR Crystallography. <i>Journal of the American Chemical Society</i> , 2021, 143, 1529-1538.	13.7	55
9	Unravelling the Behavior of Dion-Jacobson Layered Hybrid Perovskites in Humid Environments. <i>ACS Energy Letters</i> , 2021, 6, 337-344.	17.4	44
10	Polar surface structure of oxide nanocrystals revealed with solid-state NMR spectroscopy. <i>Nature Communications</i> , 2019, 10, 5420.	12.8	41
11	Cesium Substitution Disrupts Concerted Cation Dynamics in Formamidinium Hybrid Perovskites. <i>Chemistry of Materials</i> , 2020, 32, 6266-6277.	6.7	38
12	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.	13.7	35
13	The Role of Ionic Liquid Breakdown in the Electrochemical Metallization of VO <sub>2</sub> : An NMR Study of Gating Mechanisms and VO <sub>2</sub> Reduction. <i>Journal of the American Chemical Society</i> , 2018, 140, 16685-16696.	13.7	32
14	Interactions of Oxide Surfaces with Water Revealed with Solid-State NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2020, 142, 11173-11182.	13.7	24
15	Tetrafluoroborate-induced Reduction in Defect Density in Hybrid Perovskites through Halide Management. <i>Advanced Materials</i> , 2021, 33, e2102462.	21.0	24
16	A Magic Angle Spinning Activated <sup>17</sup> O DNP Raser. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 345-349.	4.6	23
17	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.	4.6	23
18	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.	17.4	21

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19	Endogenous <sup>17</sup> O Dynamic Nuclear Polarization of Gd-Doped CeO <sub>2</sub> from 100 to 370 K. Journal of Physical Chemistry C, 2021, 125, 18799-18809.	3.1	18
20	Sensitivity Enhancements in Lithium Titanates by Incipient Wetness Impregnation DNP NMR. Journal of Physical Chemistry C, 2020, 124, 16524-16528.	3.1	13
21	Colloidal-ALD-Grown Hybrid Shells Nucleate via a Ligand-Precursor Complex. Journal of the American Chemical Society, 2022, 144, 3998-4008.	13.7	12
22	A <sup>17</sup> O paramagnetic NMR study of Sm <sub>2</sub> O <sub>3</sub> , Eu <sub>2</sub> O <sub>3</sub> , and Sm/Eu-substituted CeO <sub>2</sub> . Solid State Nuclear Magnetic Resonance, 2019, 102, 21-30.	2.3	10
23	Revealing the Structure and Oxygen Transport at Interfaces in Complex Oxide Heterostructures via <sup>17</sup> O NMR Spectroscopy. Chemistry of Materials, 2020, 32, 7921-7931.	6.7	5