

Albert Hofstetter

List of Publications by Year in descending order

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16
papers

1,690
citations

567281

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940533

16
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docs citations

16
times ranked

2932
citing authors

#	ARTICLE	IF	CITATIONS
1	Phase Segregation in Cs-, Rb- and K-Doped Mixed-Cation (MA) _x (FA) _{1-x} PbI ₃ Hybrid Perovskites from Solid-State NMR. <i>Journal of the American Chemical Society</i> , 2017, 139, 14173-14180.	13.7	317
2	Formation of Stable Mixed Guanidinium-Methylammonium Phases with Exceptionally Long Carrier Lifetimes for High-Efficiency Lead Iodide-Based Perovskite Photovoltaics. <i>Journal of the American Chemical Society</i> , 2018, 140, 3345-3351.	13.7	235
3	Cation Dynamics in Mixed-Cation (MA) _x (FA) _{1-x} PbI ₃ Hybrid Perovskites from Solid-State NMR. <i>Journal of the American Chemical Society</i> , 2017, 139, 10055-10061.	13.7	209
4	The Atomic-Level Structure of Cementitious Calcium Silicate Hydrate. <i>Journal of Physical Chemistry C</i> , 2017, 121, 17188-17196.	3.1	178
5	Chemical shifts in molecular solids by machine learning. <i>Nature Communications</i> , 2018, 9, 4501.	12.8	170
6	Phase Segregation in Potassium-Doped Lead Halide Perovskites from ³⁹ K Solid-State NMR at 21.1 T. <i>Journal of the American Chemical Society</i> , 2018, 140, 7232-7238.	13.7	130
7	Ba-induced phase segregation and band gap reduction in mixed-halide inorganic perovskite solar cells. <i>Nature Communications</i> , 2019, 10, 4686.	12.8	105
8	Supramolecular Modulation of Hybrid Perovskite Solar Cells via Bifunctional Halogen Bonding Revealed by Two-Dimensional ¹⁹ F Solid-State NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2020, 142, 1645-1654.	13.7	69
9	Doping and phase segregation in Mn ²⁺ - and Co ²⁺ -doped lead halide perovskites from ¹³³ Cs and ¹ H NMR relaxation enhancement. <i>Journal of Materials Chemistry A</i> , 2019, 7, 2326-2333.	10.3	59
10	Positional Variance in NMR Crystallography. <i>Journal of the American Chemical Society</i> , 2017, 139, 2573-2576.	13.7	48
11	Rapid Structure Determination of Molecular Solids Using Chemical Shifts Directed by Unambiguous Prior Constraints. <i>Journal of the American Chemical Society</i> , 2019, 141, 16624-16634.	13.7	47
12	A Bayesian approach to NMR crystal structure determination. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 23385-23400.	2.8	39
13	Structure determination of an amorphous drug through large-scale NMR predictions. <i>Nature Communications</i> , 2021, 12, 2964.	12.8	35
14	¹¹³ Cd Solid-State NMR at 21.1 T Reveals the Local Structure and Passivation Mechanism of Cadmium in Hybrid and All-Inorganic Halide Perovskites. <i>ACS Energy Letters</i> , 2020, 5, 2964-2971.	17.4	20
15	Probing Protein Dynamics Using Multifield Variable Temperature NMR Relaxation and Molecular Dynamics Simulation. <i>Journal of Physical Chemistry B</i> , 2018, 122, 9697-9702.	2.6	15
16	De Novo Crystal Structure Determination from Machine Learned Chemical Shifts. <i>Journal of the American Chemical Society</i> , 2022, 144, 7215-7223.	13.7	14