Albert Hofstetter

List of Publications by Year
in descending order

16	1,690	566801 15	940134 16
papers	citations	h-index	g-index

16	16	16	2932
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Phase Segregation in Cs-, Rb- and K-Doped Mixed-Cation (MA)_x(FA)_{1â€“x}PbI₃ Hybrid Perovskites from Solid-State NMR. Journal of the American Chemical Society, 2017, 139, 14173-14180.	6.6	317
2	Formation of Stable Mixed Guanidiniumâ€“Methylammonium Phases with Exceptionally Long Carrier Lifetimes for High-Efficiency Lead Iodide-Based Perovskite Photovoltaics. Journal of the American Chemical Society, 2018, 140, 3345-3351.	6.6	235
3	Cation Dynamics in Mixed-Cation (MA)_x(FA)_{1â€“x}PbI₃ Hybrid Perovskites from Solid-State NMR. Journal of the American Chemical Society, 2017, 139, 10055-10061.	6.6	209
4	The Atomic-Level Structure of Cementitious Calcium Silicate Hydrate. Journal of Physical Chemistry C, 2017, 121, 17188-17196.	1.5	178
5	Chemical shifts in molecular solids by machine learning. Nature Communications, 2018, 9, 4501.	5.8	170
6	Phase Segregation in Potassium-Doped Lead Halide Perovskites from ³⁹K Solid-State NMR at 21.1 T. Journal of the American Chemical Society, 2018, 140, 7232-7238.	6.6	130
7	Ba-induced phase segregation and band gap reduction in mixed-halide inorganic perovskite solar cells. Nature Communications, 2019, 10, 4686.	5.8	105
8	Supramolecular Modulation of Hybrid Perovskite Solar Cells via Bifunctional Halogen Bonding Revealed by Two-Dimensional ¹⁹F Solid-State NMR Spectroscopy. Journal of the American Chemical Society, 2020, 142, 1645-1654.	6.6	69
9	Doping and phase segregation in Mn²⁺- and Co²⁺-doped lead halide perovskites from¹³³Cs and¹H NMR relaxation enhancement. Journal of Materials Chemistry A, 2019, 7, 2326-2333.	5.2	59
10	Positional Variance in NMR Crystallography. Journal of the American Chemical Society, 2017, 139, 2573-2576.	6.6	48
11	Rapid Structure Determination of Molecular Solids Using Chemical Shifts Directed by Unambiguous Prior Constraints. Journal of the American Chemical Society, 2019, 141, 16624-16634.	6.6	47
12	A Bayesian approach to NMR crystal structure determination. Physical Chemistry Chemical Physics, 2019, 21, 23385-23400.	1.3	39
13	Structure determination of an amorphous drug through large-scale NMR predictions. Nature Communications, 2021, 12, 2964.	5.8	35
14	¹¹³Cd Solid-State NMR at 21.1 T Reveals the Local Structure and Passivation Mechanism of Cadmium in Hybrid and All-Inorganic Halide Perovskites. ACS Energy Letters, 2020, 5, 2964-2971.	8.8	20
15	Probing Protein Dynamics Using Multifield Variable Temperature NMR Relaxation and Molecular Dynamics Simulation. Journal of Physical Chemistry B, 2018, 122, 9697-9702.	1.2	15
16	De Novo Crystal Structure Determination from Machine Learned Chemical Shifts. Journal of the American Chemical Society, 2022, 144, 7215-7223.	6.6	14