Albert Hofstetter

List of Publications by Year
in descending order

16 papers	**1,690** citations	567281 **15** h-index	940533 **16** g-index
16 all docs	**16** docs citations	**16** times ranked	**2932** citing authors

#	Article	IF	Citations
1	*De Novo* Crystal Structure Determination from Machine Learned Chemical Shifts. Journal of the American Chemical Society, 2022, 144, 7215-7223.	13.7	14
2	Structure determination of an amorphous drug through large-scale NMR predictions. Nature Communications, 2021, 12, 2964.	12.8	35
3	Supramolecular Modulation of Hybrid Perovskite Solar Cells via Bifunctional Halogen Bonding Revealed by Two-Dimensional ^{19}F Solid-State NMR Spectroscopy. Journal of the American Chemical Society, 2020, 142, 1645-1654.	13.7	69
4	[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. ACS Energy Letters, 2020, 5, 2964-2971.	17.4	20
5	Ba-induced phase segregation and band gap reduction in mixed-halide inorganic perovskite solar cells. Nature Communications, 2019, 10, 4686.	12.8	105
6	Rapid Structure Determination of Molecular Solids Using Chemical Shifts Directed by Unambiguous Prior Constraints. Journal of the American Chemical Society, 2019, 141, 16624-16634.	13.7	47
7	A Bayesian approach to NMR crystal structure determination. Physical Chemistry Chemical Physics, 2019, 21, 23385-23400.	2.8	39
8	Doping and phase segregation in Mn^{2+}- and Co^{2+}-doped lead halide perovskites from [133]Cs and ^{1}H NMR relaxation enhancement. Journal of Materials Chemistry A, 2019, 7, 2326-2333.	10.3	59
9	Formation of Stable Mixed Guanidinium–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.	13.7	235
10	Probing Protein Dynamics Using Multifield Variable Temperature NMR Relaxation and Molecular Dynamics Simulation. Journal of Physical Chemistry B, 2018, 122, 9697-9702.	2.6	15
11	Chemical shifts in molecular solids by machine learning. Nature Communications, 2018, 9, 4501.	12.8	170
12	Phase Segregation in Potassium-Doped Lead Halide Perovskites from [39]K Solid-State NMR at 21.1 T. Journal of the American Chemical Society, 2018, 140, 7232-7238.	13.7	130
13	Positional Variance in NMR Crystallography. Journal of the American Chemical Society, 2017, 139, 2573-2576.	13.7	48
14	Cation Dynamics in Mixed-Cation $(MA)_x(FA)_{1-x}PbI_3$ Hybrid Perovskites from Solid-State NMR. Journal of the American Chemical Society, 2017, 139, 10055-10061.	13.7	209
15	The Atomic-Level Structure of Cementitious Calcium Silicate Hydrate. Journal of Physical Chemistry C, 2017, 121, 17188-17196.	3.1	178
16	Phase Segregation in Cs-, Rb- and K-Doped Mixed-Cation $(MA)_x(FA)_{1-x}PbI_3$ Hybrid Perovskites from Solid-State NMR. Journal of the American Chemical Society, 2017, 139, 14173-14180.	13.7	317