

# Albert Hofstetter

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4482830/publications.pdf>

Version: 2024-02-01

16  
papers

1,690  
citations

566801

15  
h-index

940134

16  
g-index

16  
all docs

16  
docs citations

16  
times ranked

2932  
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>De Novo</i> Crystal Structure Determination from Machine Learned Chemical Shifts. <i>Journal of the American Chemical Society</i> , 2022, 144, 7215-7223.	6.6	14
2	Structure determination of an amorphous drug through large-scale NMR predictions. <i>Nature Communications</i> , 2021, 12, 2964.	5.8	35
3	Supramolecular Modulation of Hybrid Perovskite Solar Cells via Bifunctional Halogen Bonding Revealed by Two-Dimensional <sup>19</sup> F Solid-State NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2020, 142, 1645-1654.	6.6	69
4	<sup>113</sup> 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.	8.8	20
5	Ba-induced phase segregation and band gap reduction in mixed-halide inorganic perovskite solar cells. <i>Nature Communications</i> , 2019, 10, 4686.	5.8	105
6	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.	6.6	47
7	A Bayesian approach to NMR crystal structure determination. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 23385-23400.	1.3	39
8	Doping and phase segregation in Mn <sup>2+</sup> - and Co <sup>2+</sup> -doped lead halide perovskites from <sup>133</sup> Cs and <sup>1</sup> H NMR relaxation enhancement. <i>Journal of Materials Chemistry A</i> , 2019, 7, 2326-2333.	5.2	59
9	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.	6.6	235
10	Probing Protein Dynamics Using Multifield Variable Temperature NMR Relaxation and Molecular Dynamics Simulation. <i>Journal of Physical Chemistry B</i> , 2018, 122, 9697-9702.	1.2	15
11	Chemical shifts in molecular solids by machine learning. <i>Nature Communications</i> , 2018, 9, 4501.	5.8	170
12	Phase Segregation in Potassium-Doped Lead Halide Perovskites from <sup>39</sup> K Solid-State NMR at 21.1 T. <i>Journal of the American Chemical Society</i> , 2018, 140, 7232-7238.	6.6	130
13	Positional Variance in NMR Crystallography. <i>Journal of the American Chemical Society</i> , 2017, 139, 2573-2576.	6.6	48
14	Cation Dynamics in Mixed-Cation (MA) <sub>x</sub> (FA) <sub>1-x</sub> PbI <sub>3</sub> Hybrid Perovskites from Solid-State NMR. <i>Journal of the American Chemical Society</i> , 2017, 139, 10055-10061.	6.6	209
15	The Atomic-Level Structure of Cementitious Calcium Silicate Hydrate. <i>Journal of Physical Chemistry C</i> , 2017, 121, 17188-17196.	1.5	178
16	Phase Segregation in Cs-, Rb- and K-Doped Mixed-Cation (MA) <sub>x</sub> (FA) <sub>1-x</sub> PbI <sub>3</sub> Hybrid Perovskites from Solid-State NMR. <i>Journal of the American Chemical Society</i> , 2017, 139, 14173-14180.	6.6	317