

# Paramvir Ahlawat

## List of Publications by Year in descending order

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Version: 2024-02-01

16  
papers

3,110  
citations

759190

12  
h-index

1125717

13  
g-index

19  
all docs

19  
docs citations

19  
times ranked

2980  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pseudo-halide anion engineering for $\text{FAPbI}_3$ perovskite solar cells. <i>Nature</i> , 2021, 592, 381-385.	27.8	2,095
2	Vapor-assisted deposition of highly efficient, stable black-phase $\text{FAPbI}_3$ perovskite solar cells. <i>Science</i> , 2020, 370, .	12.6	530
3	A universal co-solvent dilution strategy enables facile and cost-effective fabrication of perovskite photovoltaics. <i>Nature Communications</i> , 2022, 13, 89.	12.8	77
4	Multimodal host-guest complexation for efficient and stable perovskite photovoltaics. <i>Nature Communications</i> , 2021, 12, 3383.	12.8	72
5	Guanine-Stabilized Formamidinium Lead Iodide Perovskites. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4691-4697.	13.8	61
6	Formamidinium-Based Dion-Jacobson Layered Hybrid Perovskites: Structural Complexity and Optoelectronic Properties. <i>Advanced Functional Materials</i> , 2020, 30, 2003428.	14.9	61
7	Nanoscale Phase Segregation in Supramolecular $\pi$ -Templating for Hybrid Perovskite Photovoltaics from NMR Crystallography. <i>Journal of the American Chemical Society</i> , 2021, 143, 1529-1538.	13.7	55
8	A combined molecular dynamics and experimental study of two-step process enabling low-temperature formation of phase-pure $\text{FAPbI}_3$ . <i>Science Advances</i> , 2021, 7, .	10.3	49
9	Atomistic Mechanism of the Nucleation of Methylammonium Lead Iodide Perovskite from Solution. <i>Chemistry of Materials</i> , 2020, 32, 529-536.	6.7	45
10	Methylammonium Triiodide for Defect Engineering of High-Efficiency Perovskite Solar Cells. <i>ACS Energy Letters</i> , 2021, 6, 3650-3660.	17.4	28
11	Naphthalenediimide/Formamidinium-Based Low-Dimensional Perovskites. <i>Chemistry of Materials</i> , 2021, 33, 6412-6420.	6.7	16
12	Unravelling the structural complexity and photophysical properties of adamantyl-based layered hybrid perovskites. <i>Journal of Materials Chemistry A</i> , 2020, 8, 17732-17740.	10.3	14
13	Organic Spacers in 2D Perovskites: General Trends and Structure-Property Relationships from Computational Studies. <i>Helvetica Chimica Acta</i> , 2021, 104, e2000232.	1.6	6
14	Guanine-Stabilized Formamidinium Lead Iodide Perovskites. <i>Angewandte Chemie</i> , 2020, 132, 4721-4727.	2.0	0
15	Molecular Dynamics Simulations of Nucleation of Lead Halide Perovskites. , 0, , .		0
16	Molecular Dynamics Simulations of Nucleation of Lead Halide Perovskites. , 0, , .		0