Anurag Krishna

List of Publications by Year
in descending order

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22	2,041	471509 17	752698 20
papers	citations	h-index	g-index

24	24	24	3456
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A universal co-solvent dilution strategy enables facile and cost-effective fabrication of perovskite photovoltaics. Nature Communications, 2022, 13, 89.	12.8	77
2	Molecularâ€Level Insight into Correlation between Surface Defects and Stability of Methylammonium Lead Halide Perovskite Under Controlled Humidity. Small Methods, 2021, 5, e2000834.	8.6	30
3	Formation of Highâ€Performance Multiâ€Cation Halide Perovskites Photovoltaics by Îˆâ€CsPbI₃/Îˆâ€RbPbI₃ Seedâ€Assisted Heterogeneous Nucleation. Advanced Energy Materials, 2021, 11, 2003785.	19.5	32
4	Multimodal hostâ€“guest complexation for efficient and stable perovskite photovoltaics. Nature Communications, 2021, 12, 3383.	12.8	72
5	Methylammonium Triiodide for Defect Engineering of High-Efficiency Perovskite Solar Cells. ACS Energy Letters, 2021, 6, 3650-3660.	17.4	28
6	Nanoscale interfacial engineering enables highly stable and efficient perovskite photovoltaics. Energy and Environmental Science, 2021, 14, 5552-5562.	30.8	69
7	Combined Precursor Engineering and Grain Anchoring Leading to MAâ€Free, Phaseâ€Pure, and Stable Îˆâ€Formamidinium Lead Iodide Perovskites for Efficient Solar Cells. Angewandte Chemie - International Edition, 2021, 60, 27299-27306.	13.8	46
8	Crown Ether Modulation Enables over 23% Efficient Formamidinium-Based Perovskite Solar Cells. Journal of the American Chemical Society, 2020, 142, 19980-19991.	13.7	145
9	Compositional and Interface Engineering of Organic-Inorganic Lead Halide Perovskite Solar Cells. IScience, 2020, 23, 101359.	4.1	105
10	Defect Passivation via the Incorporation of Tetrapropylammonium Cation Leading to Stability Enhancement in Lead Halide Perovskite. Advanced Functional Materials, 2020, 30, 1909737.	14.9	50
11	Mixed Dimensional 2D/3D Hybrid Perovskite Absorbers: The Future of Perovskite Solar Cells?. Advanced Functional Materials, 2019, 29, 1806482.	14.9	257
12	Hole transporting materials for mesoscopic perovskite solar cells â€“ towards a rational design?. Journal of Materials Chemistry A, 2017, 5, 16446-16466.	10.3	141
13	Quinoidal 2,2â€²,6,6â€²â€Tetraphenylâ€Dipyranylidene as a Dopantâ€Free Holeâ€Transport Material for Stable and Costâ€Effective Perovskite Solar Cells. Energy Technology, 2017, 5, 1852-1858.	3.8	16
14	Facile synthesis of a hole transporting material with a silafluorene core for efficient mesoscopic CH₃NH₃PbI₃ perovskite solar cells. Journal of Materials Chemistry A, 2016, 4, 8750-8754.	10.3	36
15	Facile Synthesis of a Furanâ€“Arylamine Holeâ€Transporting Material for Highâ€Efficiency, Mesoscopic Perovskite Solar Cells. Chemistry - A European Journal, 2015, 21, 15113-15117.	3.3	49
16	Interfacial Charge Transfer Anisotropy in Polycrystalline Lead Iodide Perovskite Films. Journal of Physical Chemistry Letters, 2015, 6, 1396-1402.	4.6	141
17	Perovskite-based solar cells: impact of morphology and device architecture on device performance. Journal of Materials Chemistry A, 2015, 3, 8943-8969.	10.3	522
18	Novel hole transporting materials based on triptycene core for high efficiency mesoscopic perovskite solar cells. Chemical Science, 2014, 5, 2702-2709.	7.4	180

#	Article	IF	Citations
19	Effect of ionic liquid on polyaniline chemically synthesised under falling-pH conditions. Chemical Papers, 2013, 67, .	2.2	11
20	Effect of Polyvinyl Alcohol on the Growth, Structure, Morphology, and Electrical Conductivity of Polypyrrole Nanoparticles Synthesized via Microemulsion Polymerization. ISRN Nanomaterials, 2012, 2012, 1-6.	0.7	8
21	Nanoscale interfacial engineering enables highly stable and efficient perovskite photovoltaics. , 0, , .		0
22	Combined precursor engineering and grain anchoring leading to MAâ€free, phaseâ€pure and stable Î±â€formamidinium lead iodide perovskites for efficient solar cells. Angewandte Chemie, 0, , .	2.0	11