Huanqi Cao

List of Publications by Year in Descending Order

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Version: 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

17 papers	461 citations	9 h-index	17 g-index
17 ext. papers	558 ext. citations	7.9 avg, IF	3.4 L-index

#	Paper	IF	Citations
17	Smooth and highly-crystalline Ag-doped CIGS films sputtered from quaternary ceramic targets. *Ceramics International*, **2021**, 47, 2288-2293	5.1	5
16	Surface Oxidized Ag Nanofilms Towards Highly Effective CO2 Reduction. *ChemElectroChem*, **2021**, 8, 3579-3583	4.3	1
15	Surface-Orientation Elimination of Vapor-Deposited PbI Flakes for Efficient Perovskite Synthesis on Curved Solar Cells. *ACS Applied Materials & Interfaces*, **2021**, 13, 45496-45504	9.5	3
14	Perovskite solar cell based on double-layer Ag/SnBi alloy as cathode. *Journal of Alloys and Compounds*, **2021**, 888, 161455	5.7	3
13	Cobalt–Iron Oxide Nanosheets for High-Efficiency Solar-Driven CO2–H2O Coupling Electrocatalytic Reactions. *Advanced Functional Materials*, **2020**, 30, 2003438	15.6	40
12	Bifunctional Electrocatalysts: Cobalt–Iron Oxide Nanosheets for High-Efficiency Solar-Driven CO2–H2O Coupling Electrocatalytic Reactions (Adv. Funct. Mater. 31/2020). *Advanced Functional Materials*, **2020**, 30, 2070211	15.6	
11	Precursor Engineering of Vapor-Exchange Processes for 20%-Efficient 1 cm Inverted-Structure Perovskite Solar Cells. *ACS Applied Materials & Interfaces*, **2020**, 12, 41303-41311	9.5	9
10	Vapor Exchange Deposition of an Air-Stable Lead Iodide Adduct on 19% Efficient 1.8 cm2 Perovskite Solar Cells. *ACS Applied Energy Materials*, **2019**, 2, 2506-2514	6.1	13
9	Reducing Defects in Perovskite Solar Cells with White Light Illumination-Assisted Synthesis. *ACS Energy Letters*, **2019**, 4, 2821-2829	20.1	20
8	Strategies to obtain stoichiometric perovskite by sequential vapor deposition learned by modeling the diffusion-dominated formation of perovskite films. *Applied Physics Express*, **2018**, 11, 105501	2.4	7
7	BCP as Additive for Solution-Processed PCBM Electron Transport Layer in Efficient Planar Heterojunction Perovskite Solar Cells. *IEEE Journal of Photovoltaics*, **2017**, 7, 550-557	3.7	21
6	Polyethylenimine as a dual functional additive for electron transporting layer in efficient solution processed planar heterojunction perovskite solar cells. *RSC Advances*, **2016**, 6, 57793-57798	3.7	19
5	Large-area, high-quality organic–inorganic hybrid perovskite thin films via a controlled vapor–solid reaction. *Journal of Materials Chemistry A*, **2016**, 4, 9124-9132	13	39
4	Ionic liquid-assisted perovskite crystal film growth for high performance planar heterojunction perovskite solar cells. *RSC Advances*, **2016**, 6, 97848-97852	3.7	28
3	Understanding the oriented-attachment growth of nanocrystals from an energy point of view: a review. *Nanoscale*, **2014**, 6, 2531-47	7.7	133
2	Recent progress in degradation and stabilization of organic solar cells. *Journal of Power Sources*, **2014**, 264, 168-183	8.9	113
1	Titanium–Aluminum Bilayer Cathode for Small-Molecular Organic Solar Cells with Prolonged Life upon Exposure to Air. *Japanese Journal of Applied Physics*, **2013**, 52, 040202	1.4	7