

# Huanqi Cao

## List of Publications by Citations

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

