

# Hamed Azimi

## List of Publications by Year in descending order

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27  
papers

3,566  
citations

394421

19  
h-index

501196

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all docs

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docs citations

28  
times ranked

6378  
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection of X-ray photons by solution-processed lead halide perovskites. <i>Nature Photonics</i> , 2015, 9, 444-449.	31.4	916
2	Recombination Dynamics as a Key Determinant of Open Circuit Voltage in Organic Bulk Heterojunction Solar Cells: A Comparison of Four Different Donor Polymers. <i>Advanced Materials</i> , 2010, 22, 4987-4992.	21.0	368
3	High-performance semitransparent perovskite solar cells with solution-processed silver nanowires as top electrodes. <i>Nanoscale</i> , 2015, 7, 1642-1649.	5.6	300
4	Interface Engineering of Perovskite Hybrid Solar Cells with Solution-Processed Perylene-3,4,9,10-tetracarboxylic diimide Heterojunctions toward High Performance. <i>Chemistry of Materials</i> , 2015, 27, 227-234.	6.7	233
5	Exciton diffusion length in narrow bandgap polymers. <i>Energy and Environmental Science</i> , 2012, 5, 6960.	30.8	207
6	Towards low-cost, environmentally friendly printed chalcopyrite and kesterite solar cells. <i>Energy and Environmental Science</i> , 2014, 7, 1829-1849.	30.8	187
7	Fabrication, Optical Modeling, and Color Characterization of Semitransparent Bulk Heterojunction Organic Solar Cells in an Inverted Structure. <i>Advanced Functional Materials</i> , 2010, 20, 1592-1598.	14.9	182
8	Improved High-Efficiency Perovskite Planar Heterojunction Solar Cells via Incorporation of a Polyelectrolyte Interlayer. <i>Chemistry of Materials</i> , 2014, 26, 5190-5193.	6.7	178
9	Nanomorphology and Charge Generation in Bulk Heterojunctions Based on Low-Bandgap Dithiophene Polymers with Different Bridging Atoms. <i>Advanced Functional Materials</i> , 2010, 20, 1180-1188.	14.9	173
10	A Universal Interface Layer Based on an Amine-Functionalized Fullerene Derivative with Dual Functionality for Efficient Solution Processed Organic and Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2015, 5, 1401692.	19.5	144
11	Charge Transport and Recombination in Low-Bandgap Bulk Heterojunction Solar Cell using Bis-adduct Fullerene. <i>Advanced Energy Materials</i> , 2011, 1, 1162-1168.	19.5	108
12	Field-Independent Charge Photogeneration in PCPDTBT/PC <sub>70</sub> BM Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 3306-3310.	4.6	88
13	Inverted, Environmentally Stable Perovskite Solar Cell with a Novel Low-Cost and Water-Free PEDOT Hole-Extraction Layer. <i>Advanced Energy Materials</i> , 2015, 5, 1500543.	19.5	81
14	The role of alkane dithiols in controlling polymer crystallization in small band gap polymer:Fullerene solar cells. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2011, 49, 717-724.	2.1	73
15	Effective Ligand Engineering of the Cu <sub>2</sub> ZnSnS <sub>4</sub> Nanocrystal Surface for Increasing Hole Transport Efficiency in Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2016, 26, 8300-8306.	14.9	72
16	Effective Ligand Passivation of Cu <sub>2</sub> O Nanoparticles through Solid-State Treatment with Mercaptopropionic Acid. <i>Journal of the American Chemical Society</i> , 2014, 136, 7233-7236.	13.7	57
17	Relation of Nanostructure and Recombination Dynamics in a Low-Temperature Solution-Processed CuInS <sub>2</sub> Nanocrystalline Solar Cell. <i>Advanced Energy Materials</i> , 2013, 3, 1589-1596.	19.5	38
18	Low-Temperature Solution-Processed Kesterite Solar Cell Based on in Situ Deposition of Ultrathin Absorber Layer. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 21100-21106.	8.0	28

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19	Morphology Related Photodegradation of Low Bandgap Polymer Blends. <i>Advanced Energy Materials</i> , 2014, 4, 1400497.	19.5	27
20	Facile synthesis and post-processing of eco-friendly, highly conductive copper zinc tin sulphide nanoparticles. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	19
21	Determining the internal quantum efficiency of organic Bulk Heterojunctions based on mono and bis-adduct fullerenes as acceptor. <i>Solar Energy Materials and Solar Cells</i> , 2011, 95, 3093-3098.	6.2	17
22	Nano-morphology characterization of organic bulk heterojunctions based on mono and bis-adduct fullerenes. <i>Organic Electronics</i> , 2012, 13, 1315-1321.	2.6	16
23	Accelerated degradation of Al <sup>3+</sup> doped ZnO thin films using damp heat test. <i>Organic Electronics</i> , 2014, 15, 569-576.	2.6	16
24	Probing the Nanoscale Phase Separation and Photophysics Properties of Low Bandgap Polymer:Fullerene Blend Film by Near Field Spectroscopic Mapping. <i>Small</i> , 2011, 7, 2793-2800.	10.0	14
25	In-situ X-ray diffraction analysis of the recrystallization process in Cu <sub>2</sub> ZnSnS <sub>4</sub> nanoparticles synthesised by hot-injection. <i>Thin Solid Films</i> , 2015, 582, 269-271.	1.8	10
26	A facile one-step method to reduce surface impurities in solution-processed CuInS <sub>2</sub> nanocrystal solar cells. <i>Journal of Materials Chemistry A</i> , 2015, 3, 14116-14120.	10.3	7
27	Elucidating the Excited State Properties of CuInS <sub>2</sub> Nanocrystals upon Phase Transformation: Quasi-Quantum Dots Versus Bulk Behavior. <i>Advanced Electronic Materials</i> , 2015, 1, 1500040.	5.1	5