

# Jeong-Hyeok Im

## List of Publications by Year in descending order

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13  
papers

15,457  
citations

686830

13  
h-index

1125271

13  
g-index

13  
all docs

13  
docs citations

13  
times ranked

16580  
citing authors

#	ARTICLE	IF	CITATIONS
1	Supramolecular Engineering for Formamidinium-Based Layered 2D Perovskite Solar Cells: Structural Complexity and Dynamics Revealed by Solid-State NMR Spectroscopy. <i>Advanced Energy Materials</i> , 2019, 9, 1900284.	10.2	89
2	Bifunctional Organic Spacers for Formamidinium-Based Hybrid Dion-Jacobson Two-Dimensional Perovskite Solar Cells. <i>Nano Letters</i> , 2019, 19, 150-157.	4.5	218
3	Nanowire Perovskite Solar Cell. <i>Nano Letters</i> , 2015, 15, 2120-2126.	4.5	321
4	3-D TiO <sub>2</sub> nanoparticle/ITO nanowire nanocomposite antenna for efficient charge collection in solid state dye-sensitized solar cells. <i>Nanoscale</i> , 2014, 6, 6127-6132.	2.8	30
5	11% Efficient Perovskite Solar Cell Based on ZnO Nanorods: An Effective Charge Collection System. <i>Journal of Physical Chemistry C</i> , 2014, 118, 16567-16573.	1.5	611
6	Growth of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> cuboids with controlled size for high-efficiency perovskite solar cells. <i>Nature Nanotechnology</i> , 2014, 9, 927-932.	15.6	1,600
7	Water photolysis at 12.3% efficiency via perovskite photovoltaics and Earth-abundant catalysts. <i>Science</i> , 2014, 345, 1593-1596.	6.0	2,260
8	Morphology-photovoltaic property correlation in perovskite solar cells: One-step versus two-step deposition of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> . <i>APL Materials</i> , 2014, 2, .	2.2	399
9	Lead Iodide Perovskite Sensitized All-Solid-State Submicron Thin Film Mesoscopic Solar Cell with Efficiency Exceeding 9%. <i>Scientific Reports</i> , 2012, 2, 591.	1.6	6,763
10	Synthesis, structure, and photovoltaic property of a nanocrystalline 2H perovskite-type novel sensitizer (CH <sub>3</sub> CH <sub>2</sub> NH <sub>3</sub> )PbI <sub>3</sub> . <i>Nanoscale Research Letters</i> , 2012, 7, 353.	3.1	225
11	6.5% efficient perovskite quantum-dot-sensitized solar cell. <i>Nanoscale</i> , 2011, 3, 4088.	2.8	2,789
12	Pseudo First-Order Adsorption Kinetics of N719 Dye on TiO <sub>2</sub> Surface. <i>ACS Applied Materials &amp; Interfaces</i> , 2011, 3, 1953-1957.	4.0	101
13	Unusual Enhancement of Photocurrent by Incorporation of Brønsted Base Thiourea into Electrolyte of Dye-Sensitized Solar Cell. <i>Journal of Physical Chemistry C</i> , 2010, 114, 19849-19852.	1.5	51