Jeong-Hyeok Im

List of Publications by Citations

13 papers	13,270 citations	13 h-index	13 g-index
13 ext. papers	14,437 ext. citations	11.6 avg, IF	6.3 L-index

#	Paper	IF	Citations
13	Lead iodide perovskite sensitized all-solid-state submicron thin film mesoscopic solar cell with efficiency exceeding 9%. *Scientific Reports*, **2012**, 2, 591	4.9	5719
12	6.5% efficient perovskite quantum-dot-sensitized solar cell. *Nanoscale*, **2011**, 3, 4088-93	7.7	2465
11	Water photolysis at 12.3% efficiency via perovskite photovoltaics and Earth-abundant catalysts. *Science*, **2014**, 345, 1593-6	33.3	1920
10	Growth of CH3NH3PbI3 cuboids with controlled size for high-efficiency perovskite solar cells. *Nature Nanotechnology*, **2014**, 9, 927-32	28.7	1442
9	11% Efficient Perovskite Solar Cell Based on ZnO Nanorods: An Effective Charge Collection System. *Journal of Physical Chemistry C*, **2014**, 118, 16567-16573	3.8	519
8	Morphology-photovoltaic property correlation in perovskite solar cells: One-step versus two-step deposition of CH3NH3PbI3. *APL Materials*, **2014**, 2, 081510	5.7	337
7	Nanowire perovskite solar cell. *Nano Letters*, **2015**, 15, 2120-6	11.5	282
6	Synthesis, structure, and photovoltaic property of a nanocrystalline 2H perovskite-type novel sensitizer (CH3CH2NH3)PbI3. *Nanoscale Research Letters*, **2012**, 7, 353	5	203
5	Bifunctional Organic Spacers for Formamidinium-Based Hybrid Dion-Jacobson Two-Dimensional Perovskite Solar Cells. *Nano Letters*, **2019**, 19, 150-157	11.5	140
4	Pseudo first-order adsorption kinetics of N719 dye on TiO2 surface. *ACS Applied Materials & Interfaces*, **2011**, 3, 1953-7	9.5	95
3	Supramolecular Engineering for Formamidinium-Based Layered 2D Perovskite Solar Cells: Structural Complexity and Dynamics Revealed by Solid-State NMR Spectroscopy. *Advanced Energy Materials*, **2019**, 9, 1900284	21.8	71
2	Unusual Enhancement of Photocurrent by Incorporation of Br□sted Base Thiourea into Electrolyte of Dye-Sensitized Solar Cell. *Journal of Physical Chemistry C*, **2010**, 114, 19849-19852	3.8	48
1	3-D TiO2 nanoparticle/ITO nanowire nanocomposite antenna for efficient charge collection in solid state dye-sensitized solar cells. *Nanoscale*, **2014**, 6, 6127-32	7.7	29