

Jeong-Hyeok Im

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

15,457
citations

686830

13
h-index

1125271

13
g-index

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13
docs citations

13
times ranked

16580
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	6.5% efficient perovskite quantum-dot-sensitized solar cell. <i>Nanoscale</i> , 2011, 3, 4088.	2.8	2,789
3	Water photolysis at 12.3% efficiency via perovskite photovoltaics and Earth-abundant catalysts. <i>Science</i> , 2014, 345, 1593-1596.	6.0	2,260
4	Growth of CH ₃ NH ₃ PbI ₃ cuboids with controlled size for high-efficiency perovskite solar cells. <i>Nature Nanotechnology</i> , 2014, 9, 927-932.	15.6	1,600
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	Morphology-photovoltaic property correlation in perovskite solar cells: One-step versus two-step deposition of CH ₃ NH ₃ PbI ₃ . <i>APL Materials</i> , 2014, 2, .	2.2	399
7	Nanowire Perovskite Solar Cell. <i>Nano Letters</i> , 2015, 15, 2120-2126.	4.5	321
8	Synthesis, structure, and photovoltaic property of a nanocrystalline 2H perovskite-type novel sensitizer (CH ₃ CH ₂ NH ₃)PbI ₃ . <i>Nanoscale Research Letters</i> , 2012, 7, 353.	3.1	225
9	Bifunctional Organic Spacers for Formamidinium-Based Hybrid Dionâ€“Jacobson Two-Dimensional Perovskite Solar Cells. <i>Nano Letters</i> , 2019, 19, 150-157.	4.5	218
10	Pseudo First-Order Adsorption Kinetics of N719 Dye on TiO ₂ Surface. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 1953-1957.	4.0	101
11	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
12	Unusual Enhancement of Photocurrent by Incorporation of BrÃ“nsted Base Thiourea into Electrolyte of Dye-Sensitized Solar Cell. <i>Journal of Physical Chemistry C</i> , 2010, 114, 19849-19852.	1.5	51
13	3-D TiO ₂ 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