

Jeong-Hyeok Im

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10872905/publications.pdf>

Version: 2024-02-01

13
papers

15,457
citations

687363

13
h-index

1125743

13
g-index

13
all docs

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%. Scientific Reports, 2012, 2, 591.	3.3	6,763
2	6.5% efficient perovskite quantum-dot-sensitized solar cell. Nanoscale, 2011, 3, 4088.	5.6	2,789
3	Water photolysis at 12.3% efficiency via perovskite photovoltaics and Earth-abundant catalysts. Science, 2014, 345, 1593-1596.	12.6	2,260
4	Growth of CH ₃ NH ₃ PbI ₃ cuboids with controlled size for high-efficiency perovskite solar cells. Nature Nanotechnology, 2014, 9, 927-932.	31.5	1,600
5	11% Efficient Perovskite Solar Cell Based on ZnO Nanorods: An Effective Charge Collection System. Journal of Physical Chemistry C, 2014, 118, 16567-16573.	3.1	611
6	Morphology-photovoltaic property correlation in perovskite solar cells: One-step versus two-step deposition of CH ₃ NH ₃ PbI ₃ . APL Materials, 2014, 2, .	5.1	399
7	Nanowire Perovskite Solar Cell. Nano Letters, 2015, 15, 2120-2126.	9.1	321
8	Synthesis, structure, and photovoltaic property of a nanocrystalline 2H perovskite-type novel sensitizer (CH ₃ CH ₂ NH ₃)PbI ₃ . Nanoscale Research Letters, 2012, 7, 353.	5.7	225
9	Bifunctional Organic Spacers for Formamidinium-Based Hybrid Dionâ€“Jacobson Two-Dimensional Perovskite Solar Cells. Nano Letters, 2019, 19, 150-157.	9.1	218
10	Pseudo First-Order Adsorption Kinetics of N719 Dye on TiO ₂ Surface. ACS Applied Materials & Interfaces, 2011, 3, 1953-1957.	8.0	101
11	Supramolecular Engineering for Formamidiniumâ€“Based Layered 2D Perovskite Solar Cells: Structural Complexity and Dynamics Revealed by Solidâ€“State NMR Spectroscopy. Advanced Energy Materials, 2019, 9, 1900284.	19.5	89
12	Unusual Enhancement of Photocurrent by Incorporation of BrÃ“nsted Base Thiourea into Electrolyte of Dye-Sensitized Solar Cell. Journal of Physical Chemistry C, 2010, 114, 19849-19852.	3.1	51
13	3-D TiO ₂ nanoparticle/ITO nanowire nanocomposite antenna for efficient charge collection in solid state dye-sensitized solar cells. Nanoscale, 2014, 6, 6127-6132.	5.6	30