

Woojun Yoon

List of Publications by Year in descending order

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18
papers

348
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840776

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996975

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18
all docs

18
docs citations

18
times ranked

686
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced Open-Circuit Voltage of PbS Nanocrystal Quantum Dot Solar Cells. Scientific Reports, 2013, 3, 2225.	3.3	88
2	Room-temperature negative differential resistance in polymer tunnel diodes using a thin oxide layer and demonstration of threshold logic. Applied Physics Letters, 2005, 87, 203506.	3.3	45
3	Atomic layer deposited HfO ₂ gate dielectrics for low-voltage operating, high-performance poly-(3-hexythiophene) organic thin-film transistors. Organic Electronics, 2010, 11, 1719-1722.	2.6	32
4	High Remaining Factors in the Photovoltaic Performance of Perovskite Solar Cells after High-Fluence Electron Beam Irradiations. Journal of Physical Chemistry C, 2020, 124, 1330-1336.	3.1	30
5	Plasma-Polymerized Multistacked Organic Bipolar Films: A New Approach to Flexible High-Performance Dielectrics. Advanced Materials, 2008, 20, 2383-2388.	21.0	26
6	Modeling and analysis of high-performance, multicolored anti-reflection coatings for solar cells. Optics Express, 2013, 21, A585.	3.4	22
7	Impact of Nanocrystal Spray Deposition on Inorganic Solar Cells. ACS Applied Materials & Interfaces, 2014, 6, 7902-7909.	8.0	21
8	Effect of Ligand Structure on the Optical and Electronic Properties of Nanocrystalline PbSe Films. Journal of Physical Chemistry C, 2012, 116, 6031-6037.	3.1	18
9	Inorganic Photovoltaic Devices Fabricated Using Nanocrystal Spray Deposition. ACS Applied Materials & Interfaces, 2013, 5, 8828-8832.	8.0	16
10	Safer salts for CdTe nanocrystal solution processed solar cells: the dual roles of ligand exchange and grain growth. Journal of Materials Chemistry A, 2015, 3, 13057-13065.	10.3	16
11	Plasma-polymerized multistacked bipolar gate dielectric for organic thin-film transistors. Organic Electronics, 2010, 11, 1767-1771.	2.6	15
12	Enhanced surface passivation of epitaxially grown emitters for high-efficiency ultrathin crystalline Si solar cells. , 2016, , .		6
13	Enhanced Emission Using Thin Li-Halide Cathodic Interlayers for Improved Injection into Poly(p-phenylene vinylene) Derivative PLEDs. Electrochemical and Solid-State Letters, 2008, 11, J76.	2.2	5
14	Advanced surface passivation of epitaxial boron emitters for high-efficiency ultrathin crystalline silicon solar cells. Japanese Journal of Applied Physics, 2017, 56, 08MB11.	1.5	4
15	Electrical Measurement Under Atmospheric Conditions of PbSe Nanocrystal Thin Films Passivated by Remote Plasma Atomic Layer Deposition of Al ₂ O ₃ . IEEE Nanotechnology Magazine, 2013, 12, 146-151.	2.0	2
16	Fabrication of Fully Solution Processed Inorganic Nanocrystal Photovoltaic Devices. Journal of Visualized Experiments, 2016, , .	0.3	1
17	Crystalline Si Solar Cells with Passivating, Carrier-selective Nickel Oxide Contacts. , 2017, , .		1
18	Dark current reduction and bandgap-voltage offset in solution-processed nanocrystal solar cells. , 2015, , .		0