Hyun-Sub Shim

List of Publications by Year
in descending order

15 papers	285 citations	840776 11 h-index	996975 15 g-index
15 all docs	15 docs citations	15 times ranked	533 citing authors

#	Article	IF	Citations
1	Enhancement of near-infrared absorption with high fill factor in lead phthalocyanine-based organic solar cells. Journal of Materials Chemistry, 2012, 22, 9077.	6.7	55
2	Photoconductivity of C₆₀ as an Origin of Biasâ€Dependent Photocurrent in Organic Photovoltaics. Advanced Functional Materials, 2012, 22, 3089-3094.	14.9	39
3	CuI interlayers in lead phthalocyanine thin films enhance near-infrared light absorption. Applied Physics Letters, 2012, 100, 263303.	3.3	27
4	Efficient Vacuum-Deposited Ternary Organic Solar Cells with Broad Absorption, Energy Transfer, and Enhanced Hole Mobility. ACS Applied Materials & Interfaces, 2016, 8, 1214-1219.	8.0	26
5	A high performance semitransparent organic photodetector with green color selectivity. Applied Physics Letters, 2014, 105, .	3.3	25
6	Highly Efficient Vacuum-Processed Organic Solar Cells Containing Thieno[3,2-b]thiophene-thiazole. Journal of Physical Chemistry C, 2014, 118, 11559-11565.	3.1	21
7	Multilayer Epitaxial Growth of Lead Phthalocyanine and C₇₀ Using CuBr as a Templating Layer for Enhancing the Efficiency of Organic Photovoltaic Cells. ACS Applied Materials & Interfaces, 2014, 6, 4286-4291.	8.0	19
8	High efficiency and high photo-stability zinc-phthalocyanine based planar heterojunction solar cells with a double interfacial layer. Applied Physics Letters, 2012, 101, .	3.3	14
9	An efficient interconnection unit composed of electron-transporting layer/metal/p-doped hole-transporting layer for tandem organic photovoltaics. Applied Physics Letters, 2013, 102, 203903.	3.3	13
10	Optical analysis of organic photovoltaic cells incorporating graphene as a transparent electrode. Organic Electronics, 2013, 14, 1496-1503.	2.6	11
11	The epitaxial growth of lead phthalocyanine on copper halogen compounds as the origin of templating effects. Journal of Materials Chemistry A, 2014, 2, 8730-8735.	10.3	11
12	Efficient Vacuumâ€Deposited Tandem Organic Solar Cells with Fill Factors Higher Than Singleâ€Junction Subcells. Advanced Energy Materials, 2015, 5, 1500228.	19.5	10
13	Effect of different p-dopants in an interconnection unit on the performance of tandem organic solar cells. Organic Electronics, 2014, 15, 1805-1809.	2.6	6
14	Correlation of the electronic structure of an interconnection unit with the device performance of tandem organic solar cells. Journal of Materials Chemistry A, 2014, 2, 5450-5454.	10.3	5
15	Enhancement of the Fill Factor through an Increase of the Crystallinity in Fullerene-Based Small-Molecule Organic Photovoltaic Cells. ACS Applied Materials & Interfaces, 2015, 7, 9134-9138.	8.0	3