Jaehoon Kim

List of Publications by Year
in descending order

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22 papers	173 citations	1307594 7 h-index	1199594 12 g-index
22 all docs	22 docs citations	22 times ranked	265 citing authors

#	Article	IF	Citations
1	Hydroiodic acid treated PEDOT:PSS thin film as transparent electrode: an approach towards ITO free organic photovoltaics. RSC Advances, 2015, 5, 52019-52025.	3.6	33
2	Liquid-Crystal-Embedded Aperture-Coupled Microstrip Antenna for 5G Applications. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1958-1962.	4.0	28
3	Ternary bulk heterojunction for wide spectral range organic photodetectors. Journal of the Korean Physical Society, 2017, 71, 196-202.	0.7	12
4	Analysis of Interfacial Layer-Induced Open-Circuit Voltage Burn-In Loss in Polymer Solar Cells on the Basis of Electroluminescence and Impedance Spectroscopy. ACS Applied Materials & Interfaces, 2017, 9, 24052-24060.	8.0	10
5	Improved photovoltaic performance of inverted polymer solar cells through a sol-gel processed Al-doped ZnO electron extraction layer. Optics Express, 2015, 23, A1334.	3.4	9
6	Efficiency Improvement of Organic Photovoltaics Adopting Li- and Cd-Doped ZnO Electron Extraction Layers. IEEE Journal of Photovoltaics, 2016, 6, 930-933.	2.5	9
7	Analysis of Photovoltaic Properties of a Perovskite Solar Cell: Impact of Recombination, Space Charge, Exciton, and Disorder. IEEE Journal of Photovoltaics, 2017, 7, 1681-1686.	2.5	9
8	Origin of enhanced efficiency and stability in diblock copolymer-grafted Cd-free quantum dot-based light-emitting diodes. Journal of Materials Chemistry C, 2021, 9, 10398-10405.	5.5	9
9	Effect of Solvent on the Interfacial Crystallinity in Sequentially Processed Organic Solar Cells. Advanced Materials Interfaces, 2021, 8, 2100029.	3.7	7
10	Study on graphene oxide as a hole extraction layer for stable organic solar cells. RSC Advances, 2021, 11, 27199-27206.	3.6	7
11	CdSe tetrapod interfacial layer for improving electron extraction in planar heterojunction perovskite solar cells. Nanotechnology, 2019, 30, 065401.	2.6	6
12	Germinant ZnO nanorods as a charge-selective layer in organic solar cells. Journal of Materials Science and Technology, 2020, 55, 89-94.	10.7	6
13	Analysis of the improved thermal stability of Al-doped ZnO-adopted organic solar cells. Applied Physics Letters, 2021, 118, .	3.3	6
14	Study on the Enhanced Shelf Lifetime of CYTOP-Encapsulated Organic Solar Cells. Energies, 2021, 14, 3993.	3.1	5
15	Temperature Dependence and Impedance Characteristics of Hybrid Solar Cells Based on Poly(phenylene) Tj ETQq1 1 0.784314 rgBT /Ov	2.5	4
16	Effect of Alkyl Chain Lengths of Highly Crystalline Nonfullerene Acceptors on Open-Circuit Voltage of All-Small-Molecule Organic Solar Cells. ACS Applied Energy Materials, 2021, 4, 259-267.	5.1	4
17	Influence of External Pressure on the Performance of Quantum Dot Solar Cells. ACS Applied Materials & Interfaces, 2016, 8, 23947-23952.	8.0	3
18	Effect of the Energy Level and the Carrier Mobility of the Hole Extraction Layer on the Performance of Planar-mixed Heterojunction Organic Solar Cells. Journal of the Korean Physical Society, 2020, 77, 806-810.	0.7	2

#	Article	IF	Citations
19	Plasmon-induced slow aging of exciton generation and dissociation for stable organic solar cells. Optica, 2016, 3, 1115.	9.3	1
20	Photovoltaic characterizing method of degradation of polymer light-emitting diodes based on ideality factor and density of states. Applied Physics Letters, 2021, 119, .	3.3	1
21	Analysis of the effect of solvents on the performance of solution-processed organic light-emitting diodes based on Fourier-transform infrared spectroscopy. Organic Electronics, 2021, 97, 106264.	2.6	1
22	Liq interlayer as electron extraction layer for highly efficient and stable perovskite solar cells. International Journal of Energy Research, 2022, 46, 5745-5755.	4.5	1