Jungwoo Heo

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/2995571/publications.pdf

Version: 2024-02-01

17	445	840776 11	940533 16
papers	citations	h-index	g-index

17	17	17	933
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nanoparticleâ€Enhanced Silverâ€Nanowire Plasmonic Electrodes for Highâ€Performance Organic Optoelectronic Devices. Advanced Materials, 2018, 30, e1800659.	21.0	67
2	A universal processing additive for high-performance polymer solar cells. RSC Advances, 2017, 7, 7476-7482.	3.6	58
3	Photocurrent Extraction Efficiency near Unity in a Thick Polymer Bulk Heterojunction. Advanced Functional Materials, 2016, 26, 3324-3330.	14.9	48
4	Peroptronic devices: perovskite-based light-emitting solar cells. Energy and Environmental Science, 2017, 10, 1950-1957.	30.8	41
5	Dithienogermoleâ€Containing Smallâ€Molecule Solar Cells with 7.3% Efficiency: Inâ€Depth Study on the Effects of Heteroatom Substitution of Si with Ge. Advanced Energy Materials, 2015, 5, 1402044.	19.5	40
6	Functionalized PFN-X (X = Cl, Br, or I) for Balanced Charge Carriers of Highly Efficient Blue Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2020, 12, 35740-35747.	8.0	31
7	Defect-Inducedin SituAtomic Doping in Transition Metal Dichalcogenides via Liquid-Phase Synthesis toward Efficient Electrochemical Activity. ACS Nano, 2020, 14, 17114-17124.	14.6	26
8	High colloidal stability ZnO nanoparticles independent on solvent polarity and their application in polymer solar cells. Scientific Reports, 2020, 10, 18055.	3.3	25
9	Efficiency Exceeding 11% in Tandem Polymer Solar Cells Employing High Openâ€Circuit Voltage Wideâ€Bandgap Ïâ€conjugated Polymers. Advanced Energy Materials, 2017, 7, 1700782.	19.5	24
10	Highly efficient polymer solar cells with a thienopyrroledione and benzodithiophene containing planar random copolymer. Polymer Chemistry, 2018, 9, 1216-1222.	3.9	19
11	Implementation of Lowâ€Power Electronic Devices Using Solutionâ€Processed Tantalum Pentoxide Dielectric. Advanced Functional Materials, 2018, 28, 1704215.	14.9	17
12	Influence of the Crystalline Nature of Small Donors Molecules on the Efficiency and Stability of Organic Photovoltaic Devices. Solar Rrl, 2018, 2, 1700235.	5.8	11
13	Formamidinium-based planar heterojunction perovskite solar cells with alkali carbonate-doped zinc oxide layer. RSC Advances, 2018, 8, 24110-24115.	3.6	10
14	Modeling and implementation of tandem polymer solar cells using wideâ€bandgap front cells. , 2020, 2, 131-142.		9
15	Designing a naphthyridinedione-based conjugated polymer for thickness-tolerant high efficiency polymer solar cells. Journal of Materials Chemistry A, 2021, 9, 10846-10854.	10.3	7
16	Morphological and Optical Engineering for High-Performance Polymer Solar Cells. ACS Applied Materials & Interfaces, 2019, 11, 4705-4711.	8.0	6
17	Synergistic combination of amorphous indium oxide with tantalum pentoxide for efficient electron transport in low-power electronics. Journal of Materials Chemistry C, 2019, 7, 4559-4566.	5.5	6