Eunyoung Choi

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/920602/publications.pdf

Version: 2024-02-01

21	325	840585 11	887953 17
papers	citations	h-index	g-index

22	22	22	358
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Investigation of low intensity light performances of kesterite CZTSe, CZTSSe, and CZTS thin film solar cells for indoor applications. Journal of Materials Chemistry A, 2020, 8, 14538-14544.	5.2	40
2	Enhanced Holeâ€Carrier Selectivity in Wide Bandgap Halide Perovskite Photovoltaic Devices for Indoor Internet of Things Applications. Advanced Functional Materials, 2021, 31, 2008908.	7.8	31
3	Polymethyl Methacrylate as an Interlayer Between the Halide Perovskite and Copper Phthalocyanine Layers for Stable and Efficient Perovskite Solar Cells. Advanced Functional Materials, 2022, 32, .	7.8	30
4	Kinetics of light-induced degradation in semi-transparent perovskite solar cells. Solar Energy Materials and Solar Cells, 2021, 219, 110776.	3.0	29
5	Achieving Low V_{OC}-deficit Characteristics in Cu₂ZnSn(S,Se)₄ Solar Cells through Improved Carrier Separation. ACS Applied Materials & Interfaces, 2021, 13, 429-437.	4.0	27
6	Chlorine Incorporation in Perovskite Solar Cells for Indoor Light Applications. Cell Reports Physical Science, 2020, 1, 100273.	2.8	21
7	Development of moisture-proof polydimethylsiloxane/aluminum oxide film and stability improvement of perovskite solar cells using the film. RSC Advances, 2019, 9, 11737-11744.	1.7	20
8	A Novel Approach for the Development of Moisture Encapsulation Poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 Td (alcohol-c	1.6	19
9	Synthesis and characterization of a wide bandgap polymer based on a weak donor-weak acceptor structure for dual applications in organic solar cells and organic photodetectors. Organic Electronics, 2017, 46, 173-182.	1.4	18
10	Exploration of sub-bandgap states in 2D halide perovskite single-crystal photodetector. Npj 2D Materials and Applications, 2022, 6, .	3.9	16
11	Development of a julolidine-based interfacial modifier for efficient inverted polymer solar cells. RSC Advances, 2015, 5, 107540-107546.	1.7	13
12	Enhancing CZTSSe solar cells through electric field induced ion migration. Journal of Materials Chemistry A, 2022, 10, 5642-5649.	5.2	12
13	Selfâ€Assembled Perovskite Nanoislands on CH₃NH₃PbI₃ Cuboid Single Crystals by Energetic Surface Engineering. Advanced Functional Materials, 2021, 31, 2105542.	7.8	9
14	Efficiency and stability enhancement of organicâ€“inorganic perovskite solar cells through micropatterned Norland Optical Adhesive and polyethylene terephthalate encapsulation. Materials Today Communications, 2019, 20, 100537.	0.9	8
15	Microstructural Evaluation of Phase Instability in Large Bandgap Metal Halide Perovskites. ACS Nano, 2021, 15, 20391-20402.	7.3	8
16	Stability enhancement of GaInP/GaAs/Ge triple-junction solar cells using Al2O3 moisture-barrier layer. Vacuum, 2019, 162, 47-53.	1.6	7
17	Revealing the Dynamics of the Thermal Reaction between Copper and Mixed Halide Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2022, 14, 20866-20874.	4.0	6
18	Role of geminate polaron-pair recombination on magnetoconductance in P3HT and PC71BM bulk-heterojunction organic solar cells. Organic Electronics, 2018, 63, 384-391.	1.4	4

#	Article	IF	Citations
19	Naphthalene-diimide-incorporated conjugated polyelectrolyte interfacial modifier for the efficient inverted-type polymer solar cells. Journal of Information Display, 2016, 17, 17-24.	2.1	3
20	Controllable Acceleration and Deceleration of Charge Carrier Transport in Metalâ€Halide Perovskite Singleâ€Crystal by Csâ€Cation Induced Bandgap Engineering. Small, 2022, 18, e2107680.	5.2	3
21	Selfâ€Assembled Perovskite Nanoislands on CH₃NH₃PbI₃ Cuboid Single Crystals by Energetic Surface Engineering (Adv. Funct. Mater. 50/2021). Advanced Functional Materials, 2021, 31, .	7.8	1