Eui Dae Jung

List of Publications by Year
in descending order

34 papers	2,252 citations	279798 23 h-index	361022 35 g-index
35 all docs	35 docs citations	35 times ranked	3670 citing authors

#	Article	IF	Citations
1	Cs incorporation via sequential deposition for stable and scalable organometal halide perovskite solar cells. Journal of Power Sources, 2022, 520, 230783.	7.8	6
2	Triphenylamineâ€Based Conjugated Polyelectrolyte as a Hole Transport Layer for Efficient and Scalable Perovskite Solar Cells. Small, 2022, 18, e2104933.	10.0	6
3	A polymer/small-molecule binary-blend hole transport layer for enhancing charge balance in blue perovskite light emitting diodes. Journal of Materials Chemistry A, 2022, 10, 13928-13935.	10.3	15
4	Boosting the efficiency of quasi-2D perovskites light-emitting diodes by using encapsulation growth method. Nano Energy, 2021, 80, 105511.	16.0	54
5	Strategy for <scp>largeâ€scale</scp> monolithic <scp>Perovskite</scp>/Silicon tandem solar cell: A review of recent progress. EcoMat, 2021, 3, e12084.	11.9	38
6	<i>In situ</i> cadmium surface passivation of perovskite nanocrystals for blue LEDs. Journal of Materials Chemistry A, 2021, 9, 26750-26757.	10.3	18
7	Improved Efficiency of Perovskite Solar Cells Using a Nitrogen-Doped Graphene-Oxide-Treated Tin Oxide Layer. ACS Applied Materials & Interfaces, 2020, 12, 2417-2423.	8.0	40
8	Water-stable polymer hole transport layer in organic and perovskite light-emitting diodes. Journal of Power Sources, 2020, 478, 228810.	7.8	6
9	Sky-Blue-Emissive Perovskite Light-Emitting Diodes: Crystal Growth and Interfacial Control Using Conjugated Polyelectrolytes as a Hole-Transporting Layer. ACS Nano, 2020, 14, 13246-13255.	14.6	38
10	A-Site Cation Engineering for Efficient Blue-Emissive Perovskite Light-Emitting Diodes. Energies, 2020, 13, 6689.	3.1	5
11	Multiply Charged Conjugated Polyelectrolytes as a Multifunctional Interlayer for Efficient and Scalable Perovskite Solar Cells. Advanced Materials, 2020, 32, e2002333.	21.0	48
12	Solution processable small molecules as efficient electron transport layers in organic optoelectronic devices. Journal of Materials Chemistry A, 2020, 8, 13501-13508.	10.3	19
13	Highly Efficient and Stable Inverted Perovskite Solar Cell Obtained via Treatment by Semiconducting Chemical Additive. Advanced Materials, 2019, 31, e1805554.	21.0	134
14	Highly Efficient Flexible Perovskite Light-Emitting Diodes Using the Modified PEDOT:PSS Hole Transport Layer and Polymerâ€"Silver Nanowire Composite Electrode. ACS Applied Materials & Interfaces, 2019, 11, 39274-39282.	8.0	24
15	Nanomechanical Approach for Flexibility of Organicâ€"Inorganic Hybrid Perovskite Solar Cells. Nano Letters, 2019, 19, 3707-3715.	9.1	42
16	Ultrathin Graphene Intercalation in PEDOT:PSS/Colorless Polyimide-Based Transparent Electrodes for Enhancement of Optoelectronic Performance and Operational Stability of Organic Devices. ACS Applied Materials & Interfaces, 2019, 11, 21069-21077.	8.0	18
17	Optimization of device design for low cost and high efficiency planar monolithic perovskite/silicon tandem solar cells. Nano Energy, 2019, 60, 213-221.	16.0	79
18	Flexibility of Semitransparent Perovskite Light-Emitting Diodes Investigated by Tensile Properties of the Perovskite Layer. Nano Letters, 2019, 19, 971-976.	9.1	37

#	Article	IF	Citations
19	Conjugated Polyelectrolytes Bearing Various Ion Densities: Spontaneous Dipole Generation, Polingâ€Induced Dipole Alignment, and Interfacial Energy Barrier Control for Optoelectronic Device Applications. Advanced Materials, 2018, 30, e1706034.	21.0	12
20	Highly efficient and stable inverted perovskite solar cell employing PEDOT:GO composite layer as a hole transport layer. Scientific Reports, 2018, 8, 1070.	3.3	144
21	Growth of Nanosized Single Crystals for Efficient Perovskite Light-Emitting Diodes. ACS Nano, 2018, 12, 3417-3423.	14.6	109
22	Micro-Segregated Liquid Crystal Haze Films for Photovoltaic Applications: A Novel Strategy to Fabricate Haze Films Employing Liquid Crystal Technology. Materials, 2018, 11, 2188.	2.9	4
23	Conjugated Polyelectrolytes as Efficient Hole Transport Layers in Perovskite Light-Emitting Diodes. ACS Nano, 2018, 12, 5826-5833.	14.6	56
24	Enhancing the Performance and Stability of Perovskite Nanocrystal Lightâ€Emitting Diodes with a Polymer Matrix. Advanced Materials Technologies, 2017, 2, 1700003.	5.8	44
25	Amine-Based Passivating Materials for Enhanced Optical Properties and Performance of Organicâ€“Inorganic Perovskites in Light-Emitting Diodes. Journal of Physical Chemistry Letters, 2017, 8, 1784-1792.	4.6	220
26	Effect of the solvent used for fabrication of perovskite films by solvent dropping on performance of perovskite light-emitting diodes. Nanoscale, 2017, 9, 2088-2094.	5.6	61
27	Improving the Stability and Performance of Perovskite Lightâ€Emitting Diodes by Thermal Annealing Treatment. Advanced Materials, 2016, 28, 6906-6913.	21.0	111
28	Improved performance of perovskite light-emitting diodes using a PEDOT:PSS and MoO₃ composite layer. Journal of Materials Chemistry C, 2016, 4, 8161-8165.	5.5	75
29	High-performance perovskite light-emitting diodes via morphological control of perovskite films. Nanoscale, 2016, 8, 7036-7042.	5.6	170
30	Amineâ€Based Interfacial Molecules for Inverted Polymerâ€Based Optoelectronic Devices. Advanced Materials, 2015, 27, 3553-3559.	21.0	77
31	Highâ€Performance Planar Perovskite Optoelectronic Devices: A Morphological and Interfacial Control by Polar Solvent Treatment. Advanced Materials, 2015, 27, 3492-3500.	21.0	205
32	Highly efficient flexible optoelectronic devices using metal nanowire-conducting polymer composite transparent electrode. Electronic Materials Letters, 2015, 11, 906-914.	2.2	38
33	Amineâ€Based Polar Solvent Treatment for Highly Efficient Inverted Polymer Solar Cells. Advanced Materials, 2014, 26, 494-500.	21.0	159
34	Highly efficient inverted polymer light-emitting diodes using surface modifications of ZnO layer. Nature Communications, 2014, 5, 4840.	12.8	138