Yung Jin Yoon

List of Publications by Year
in descending order

30 papers	4,249 citations	516710 16 h-index	501196 28 g-index
30 all docs	30 docs citations	30 times ranked	5135 citing authors

#	Article	IF	Citations
1	Pseudo-halide anion engineering for Î±-FAPbI3 perovskite solar cells. Nature, 2021, 592, 381-385.	27.8	2,095
2	Methylammonium Chloride Induces Intermediate Phase Stabilization for Efficient Perovskite Solar Cells. Joule, 2019, 3, 2179-2192.	24.0	1,228
3	High-Efficiency Colloidal Quantum Dot Photovoltaics via Robust Self-Assembled Monolayers. Nano Letters, 2015, 15, 7691-7696.	9.1	198
4	Fluorine Functionalized Graphene Nano Platelets for Highly Stable Inverted Perovskite Solar Cells. Nano Letters, 2017, 17, 6385-6390.	9.1	106
5	Ultrathin, lightweight and flexible perovskite solar cells with an excellent power-per-weight performance. Journal of Materials Chemistry A, 2019, 7, 1107-1114.	10.3	100
6	Investigation of Charge Carrier Behavior in High Performance Ternary Blend Polymer Solar Cells. Advanced Energy Materials, 2016, 6, 1600637.	19.5	85
7	Vivid and Fully Saturated Blue Light-Emitting Diodes Based on Ligand-Modified Halide Perovskite Nanocrystals. ACS Applied Materials & Interfaces, 2019, 11, 23401-23409.	8.0	60
8	Peroptronic devices: perovskite-based light-emitting solar cells. Energy and Environmental Science, 2017, 10, 1950-1957.	30.8	41
9	Highly Stable Bulk Perovskite for Blue LEDs with Anion-Exchange Method. Nano Letters, 2021, 21, 3473-3479.	9.1	36
10	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
11	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
12	High colloidal stability ZnO nanoparticles independent on solvent polarity and their application in polymer solar cells. Scientific Reports, 2020, 10, 18055.	3.3	25
13	Ternary Halide Perovskites for Highly Efficient Solution-Processed Hybrid Solar Cells. ACS Energy Letters, 2016, 1, 712-718.	17.4	24
14	High-Performance Perovskite Light-Emitting Diodes with Surface Passivation of CsPbBr_xI_{3â€“x} Nanocrystals via Antisolvent-Triggered Ion-Exchange. ACS Applied Materials & Interfaces, 2020, 12, 31582-31590.	8.0	22
15	Inverted Polymer Solar Cells with Annealingâ€Free Solutionâ€Processable NiO. Small, 2021, 17, e2101729.	10.0	22
16	Improved Performance in nâ€Type Organic Fieldâ€Effect Transistors via Polyelectroliteâ€Mediated Interfacial Doping. Advanced Electronic Materials, 2017, 3, 1700184.	5.1	20
17	Implementation of Lowâ€Power Electronic Devices Using Solutionâ€Processed Tantalum Pentoxide Dielectric. Advanced Functional Materials, 2018, 28, 1704215.	14.9	17
18	Origin of the luminescence spectra width in perovskite nanocrystals with surface passivation. Nanoscale, 2020, 12, 21695-21702.	5.6	16

#	Article	IF	Citations
19	Dichroic Sb 2 O 3 /Ag/Sb 2 O 3 Electrodes for Colorful Semitransparent Organic Solar Cells. Solar Rrl, 2020, 4, 2000201.	5.8	15
20	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
21	The introduction of a perovskite seed layer for high performance perovskite solar cells. Journal of Materials Chemistry A, 2018, 6, 20138-20144.	10.3	12
22	Clean thermal decomposition of tertiary-alkyl metal thiolates to metal sulfides: environmentally-benign, non-polar inks for solution-processed chalcopyrite solar cells. Scientific Reports, 2016, 6, 36608.	3.3	11
23	Formamidinium-based planar heterojunction perovskite solar cells with alkali carbonate-doped zinc oxide layer. RSC Advances, 2018, 8, 24110-24115.	3.6	10
24	Importance of interface engineering between the hole transport layer and the indium-tin-oxide electrode for highly efficient polymer solar cells. Journal of Materials Chemistry A, 2021, 9, 15394-15403.	10.3	10
25	Dithieno[2,3â€d:2',3'â€d']benzo[1,2â€b:4,5â€b']dithiophene (DTBDAT)â€based copolymers for highâ€performance organic solar cells. Journal of Polymer Science Part A, 2016, 54, 3182-3192.	2.3	8
26	A recent advances of blue perovskite light emitting diodes for next generation displays. Journal of Semiconductors, 2021, 42, 101608.	3.7	7
27	Non-halogenated diphenyl-chalcogenide solvent processing additives for high-performance polymer bulk-heterojunction solar cells. RSC Advances, 2018, 8, 39777-39783.	3.6	6
28	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
29	Solar Cells: Investigation of Charge Carrier Behavior in High Performance Ternary Blend Polymer Solar Cells (Adv. Energy Mater. 19/2016). Advanced Energy Materials, 2016, 6, .	19.5	0
30	Polyelectrolytes: Improved Performance in nâ€Type Organic Fieldâ€Effect Transistors via Polyelectrolyteâ€Mediated Interfacial Doping (Adv. Electron. Mater. 10/2017). Advanced Electronic Materials, 2017, 3, .	5.1	0