Dung Suk Kim

List of Publications by Year
in descending order

20 papers	6,206 citations	567281 15 h-index	752698 20 g-index
21 all docs	21 docs citations	21 times ranked	5282 citing authors

#	Article	IF	Citations
1	Large-area perovskite solar cells employing spiro-Naph hole transport material. Nature Photonics, 2022, 16, 119-125.	31.4	123
2	Conformal quantum dotâ€“SnO ₂ layers as electron transporters for efficient perovskite solar cells. Science, 2022, 375, 302-306.	12.6	872
3	Enhanced electrical properties of Li-salts doped mesoporous TiO2 in perovskite solar cells. Joule, 2021, 5, 659-672.	24.0	127
4	Pseudo-halide anion engineering for Î±-FAPbI3 perovskite solar cells. Nature, 2021, 592, 381-385.	27.8	2,095
5	High colloidal stability ZnO nanoparticles independent on solvent polarity and their application in polymer solar cells. Scientific Reports, 2020, 10, 18055.	3.3	25
6	Stable perovskite solar cells with efficiency exceeding 24.8% and 0.3-V voltage loss. Science, 2020, 369, 1615-1620.	12.6	1,122
7	Effects of cation size and concentration of cationic chlorides on the properties of formamidinium lead iodide based perovskite solar cells. Sustainable Energy and Fuels, 2020, 4, 3753-3763.	4.9	17
8	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
9	Fabrication of perovskite solar cell with high short-circuit current density (JSC) using moth-eye structure of SiOX. Nano Research, 2020, 13, 1156-1161.	10.4	17
10	Methylammonium Chloride Induces Intermediate Phase Stabilization for Efficient Perovskite Solar Cells. Joule, 2019, 3, 2179-2192.	24.0	1,228
11	Selectively patterned TiO2 nanorods as electron transport pathway for high performance perovskite solar cells. Nano Research, 2019, 12, 601-606.	10.4	14
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	Hexagonal array micro-convex patterned substrate for improving diffused transmittance in perovskite solar cells. Thin Solid Films, 2018, 660, 682-687.	1.8	6
14	A highly robust and stable graphene-encapsulated Cu-grid hybrid transparent electrode demonstrating superior performance in organic solar cells. Journal of Materials Chemistry A, 2018, 6, 24805-24813.	10.3	21
15	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
16	High-Temperatureâ€“Short-Time Annealing Process for High-Performance Large-Area Perovskite Solar Cells. ACS Nano, 2017, 11, 6057-6064.	14.6	142
17	Fluorine Functionalized Graphene Nano Platelets for Highly Stable Inverted Perovskite Solar Cells. Nano Letters, 2017, 17, 6385-6390.	9.1	106
18	Ternary Halide Perovskites for Highly Efficient Solution-Processed Hybrid Solar Cells. ACS Energy Letters, 2016, 1, 712-718.	17.4	24

#	Article	IF	Citations
19	High Performance of Planar Perovskite Solar Cells Produced from PbI₂(DMSO) and PbI₂(NMP) Complexes by Intramolecular Exchange. Advanced Materials Interfaces, 2016, 3, 1500768.	3.7	206
20	A Roundabout Approach to Control Morphological Orientation and Solarâ€Cell Performance by Modulating Sideâ€Chain Branching Position in Benzodithiopheneâ€Based Polymers. ChemPhysChem, 2015, 16, 1305-1314.	2.1	15