Dong Suk Kim

List of Publications by Year
in descending order

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33	7,236	361413	395702
papers	citations	20	33
		h-index	g-index

35	35	35	6603
all docs	docs citations	times ranked	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	Development of perovskite solar cells with >25% conversion efficiency. Joule, 2021, 5, 1033-1035.	24.0	137
6	An intermediate phase stability for high performance of perovskite solar cells. Matter, 2021, 4, 3377-3378.	10.0	2
7	Stable perovskite solar cells with efficiency exceeding 24.8% and 0.3-V voltage loss. Science, 2020, 369, 1615-1620.	12.6	1,122
8	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
9	Methylammonium Chloride Induces Intermediate Phase Stabilization for Efficient Perovskite Solar Cells. Joule, 2019, 3, 2179-2192.	24.0	1,228
10	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
11	Hexagonal array micro-convex patterned substrate for improving diffused transmittance in perovskite solar cells. Thin Solid Films, 2018, 660, 682-687.	1.8	6
12	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
13	High-Temperatureâ€“Short-Time Annealing Process for High-Performance Large-Area Perovskite Solar Cells. ACS Nano, 2017, 11, 6057-6064.	14.6	142
14	Fluorine Functionalized Graphene Nano Platelets for Highly Stable Inverted Perovskite Solar Cells. Nano Letters, 2017, 17, 6385-6390.	9.1	106
15	Ternary Halide Perovskites for Highly Efficient Solution-Processed Hybrid Solar Cells. ACS Energy Letters, 2016, 1, 712-718.	17.4	24
16	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
17	Medium bandgap copolymers based on carbazole and quinoxaline exceeding 1.0 V open-circuit voltages. RSC Advances, 2016, 6, 17624-17631.	3.6	5
18	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

#	Article	IF	Citations
19	Capacity retention behavior and morphology evolution of Si_xGe_{1â^'x}nanoparticles as lithium-ion battery anode. Nanotechnology, 2015, 26, 255702.	2.6	13
20	Flexible organo-metal halide perovskite solar cells on a Ti metal substrate. Journal of Materials Chemistry A, 2015, 3, 4129-4133.	10.3	89
21	Production of pristine, sulfur-coated and silicon-alloyed germanium nanoparticles via laser pyrolysis. Nanotechnology, 2015, 26, 305703.	2.6	9
22	Efficient, durable and flexible perovskite photovoltaic devices with Ag-embedded ITO as the top electrode on a metal substrate. Journal of Materials Chemistry A, 2015, 3, 14592-14597.	10.3	63
23	Synthesis of PCDTBT-Based Fluorinated Polymers for High Open-Circuit Voltage in Organic Photovoltaics: Towards an Understanding of Relationships between Polymer Energy Levels Engineering and Ideal Morphology Control. ACS Applied Materials & Interfaces, 2014, 6, 7523-7534.	8.0	88
24	Synthesis of fluorinated analogues of a practical polymer TQ for improved open-circuit voltages in polymer solar cells. Polymer Chemistry, 2014, 5, 2540.	3.9	40
25	High-yield synthesis of single-crystal silicon nanoparticles as anode materials of lithium ion batteries via photosensitizer-assisted laser pyrolysis. Journal of Materials Chemistry A, 2014, 2, 18070-18075.	10.3	32
26	Size tailoring of aqueous germanium nanoparticle dispersions. Nanoscale, 2014, 6, 10156-10160.	5.6	21
27	The size-controlled synthesis of monodisperse spherical mesoporous TiO2 particles and high dispersions of Pt, Pd, and Ag clusters on their surfaces. Microporous and Mesoporous Materials, 2013, 181, 61-67.	4.4	19
28	Pore Size Distribution Analysis of Mesoporous TiO2 Spheres by 1H Nuclear Magnetic Resonance (NMR) Cryoporometry. Journal of Physical Chemistry C, 2010, 114, 17440-17445.	3.1	25
29	Photocatalytic Inactivation of E. coli with a Mesoporous TiO₂ Coated Film Using the Film Adhesion Method. Environmental Science & Technology, 2009, 43, 148-151.	10.0	69
30	The hydrothermal synthesis of mesoporous TiO2 with high crystallinity, thermal stability, large surface area, and enhanced photocatalytic activity. Applied Catalysis A: General, 2007, 323, 110-118.	4.3	266
31	Synthesis and photocatalytic activity of mesoporous TiO2 with the surface area, crystallite size, and pore size. Journal of Colloid and Interface Science, 2007, 316, 85-91.	9.4	224
32	Diastereoselectivity Control in Photosensitized Addition of Methanol to (R)-(+)-Limoneneâ€. Journal of Organic Chemistry, 2002, 67, 5718-5726.	3.2	19
33	Highly diastereoselective photoaddition of methanol to limonene. Tetrahedron Letters, 2001, 42, 4341-4344.	1.4	8