Min-Cheol Kim

List of Publications by Year
in descending order

16	671	687363 13	839539 18
papers	citations	h-index	g-index

19	19	19	1357
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Advanced Characterization Techniques for Overcoming Challenges of Perovskite Solar Cell Materials. Advanced Energy Materials, 2021, 11, 2001753.	19.5	29
2	Imaging Real-Time Amorphization of Hybrid Perovskite Solar Cells under Electrical Biasing. ACS Energy Letters, 2021, 6, 3530-3537.	17.4	12
3	High-Efficiency Flexible Perovskite Solar Cells Enabled by an Ultrafast Room-Temperature Reactive Ion Etching Process. ACS Applied Materials & Interfaces, 2020, 12, 7125-7134.	8.0	8
4	Moth-eye Structured Polydimethylsiloxane Films for High-Efficiency Perovskite Solar Cells. Nano-Micro Letters, 2019, 11, 53.	27.0	44
5	Degradation of CH₃NH₃PbI₃ perovskite materials by localized charges and its polarity dependency. Journal of Materials Chemistry A, 2019, 7, 12075-12085.	10.3	23
6	Ultra-flexible perovskite solar cells with crumpling durability: toward a wearable power source. Energy and Environmental Science, 2019, 12, 3182-3191.	30.8	136
7	Effect of Metal Electrodes on Aging-Induced Performance Recovery in Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2019, 11, 48497-48504.	8.0	26
8	Highly Reproducible Largeâ€Area Perovskite Solar Cell Fabrication via Continuous Megasonic Spray Coating of CH₃NH₃PbI₃. Small, 2019, 15, e1804005.	10.0	99
9	Effect of TiO2 particle size and layer thickness on mesoscopic perovskite solar cells. Applied Surface Science, 2019, 477, 131-136.	6.1	57
10	Roomâ€Temperature Vapor Deposition of Cobalt Nitride Nanofilms for Mesoscopic and Perovskite Solar Cells. Advanced Energy Materials, 2018, 8, 1703114.	19.5	29
11	Interface Design of Hybrid Electron Extraction Layer for Relieving Hysteresis and Retarding Charge Recombination in Perovskite Solar Cells. Advanced Materials Interfaces, 2018, 5, 1800993.	3.7	31
12	Observation of Enhanced Hole Extraction in Br Concentration Gradient Perovskite Materials. Nano Letters, 2016, 16, 5756-5763.	9.1	91
13	Wire-in-Hole-Type Spark Discharge Generator for Long-Time Consistent Generation of Unagglomerated Nanoparticles. Aerosol Science and Technology, 2015, 49, 463-471.	3.1	13
14	Electro-spray deposition of a mesoporous TiO₂charge collection layer: toward large scale and continuous production of high efficiency perovskite solar cells. Nanoscale, 2015, 7, 20725-20733.	5.6	36
15	Near-Wall Deposition Probability of Blood Elements as A New Hemodynamic Wall Parameter. Annals of Biomedical Engineering, 2006, 34, 958-970.	2.5	14
16	Dynamic characteristics of superparamagnetic iron oxide nanoparticles in a viscous fluid under an external magnetic field. IEEE Transactions on Magnetics, 2006, 42, 979-982.	2.1	17