

Min-Cheol Kim

List of Publications by Year in descending order

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1357
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#	ARTICLE	IF	CITATIONS
1	Ultra-flexible perovskite solar cells with crumpling durability: toward a wearable power source. <i>Energy and Environmental Science</i> , 2019, 12, 3182-3191.	30.8	136
2	Highly Reproducible Large-Area Perovskite Solar Cell Fabrication via Continuous Megasonic Spray Coating of $\text{CH}_3\text{NH}_3\text{PbI}_3$. <i>Small</i> , 2019, 15, e1804005.	10.0	99
3	Observation of Enhanced Hole Extraction in Br Concentration Gradient Perovskite Materials. <i>Nano Letters</i> , 2016, 16, 5756-5763.	9.1	91
4	Effect of TiO_2 particle size and layer thickness on mesoscopic perovskite solar cells. <i>Applied Surface Science</i> , 2019, 477, 131-136.	6.1	57
5	Moth-eye Structured Polydimethylsiloxane Films for High-Efficiency Perovskite Solar Cells. <i>Nano-Micro Letters</i> , 2019, 11, 53.	27.0	44
6	Electro-spray deposition of a mesoporous TiO_2 charge collection layer: toward large scale and continuous production of high efficiency perovskite solar cells. <i>Nanoscale</i> , 2015, 7, 20725-20733.	5.6	36
7	Interface Design of Hybrid Electron Extraction Layer for Relieving Hysteresis and Retarding Charge Recombination in Perovskite Solar Cells. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800993.	3.7	31
8	Room-Temperature Vapor Deposition of Cobalt Nitride Nanofilms for Mesoscopic and Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2018, 8, 1703114.	19.5	29
9	Advanced Characterization Techniques for Overcoming Challenges of Perovskite Solar Cell Materials. <i>Advanced Energy Materials</i> , 2021, 11, 2001753.	19.5	29
10	Effect of Metal Electrodes on Aging-Induced Performance Recovery in Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 48497-48504.	8.0	26
11	Degradation of $\text{CH}_3\text{NH}_3\text{PbI}_3$ perovskite materials by localized charges and its polarity dependency. <i>Journal of Materials Chemistry A</i> , 2019, 7, 12075-12085.	10.3	23
12	Dynamic characteristics of superparamagnetic iron oxide nanoparticles in a viscous fluid under an external magnetic field. <i>IEEE Transactions on Magnetics</i> , 2006, 42, 979-982.	2.1	17
13	Near-Wall Deposition Probability of Blood Elements as A New Hemodynamic Wall Parameter. <i>Annals of Biomedical Engineering</i> , 2006, 34, 958-970.	2.5	14
14	Wire-in-Hole-Type Spark Discharge Generator for Long-Time Consistent Generation of Unagglomerated Nanoparticles. <i>Aerosol Science and Technology</i> , 2015, 49, 463-471.	3.1	13
15	Imaging Real-Time Amorphization of Hybrid Perovskite Solar Cells under Electrical Biasing. <i>ACS Energy Letters</i> , 2021, 6, 3530-3537.	17.4	12
16	High-Efficiency Flexible Perovskite Solar Cells Enabled by an Ultrafast Room-Temperature Reactive Ion Etching Process. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 7125-7134.	8.0	8