Minjin Kim

List of Publications by Year in descending order

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16 papers	2,828 citations	759233 12 h-index	940533 16 g-index
16 all docs	16 docs citations	16 times ranked	3444 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	Development of preheating methodology for a 5ÂkW HT-PEMFC system. International Journal of Hydrogen Energy, 2021, 46, 36982-36994.	7.1	22
3	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
4	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
5	Thermal management for a hydrogen-fueled 1-kW PEMFC based on thermoeconomic analysis. International Journal of Hydrogen Energy, 2019, 44, 24934-24946.	7.1	17
6	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
7	High-Temperatureâ€“Short-Time Annealing Process for High-Performance Large-Area Perovskite Solar Cells. ACS Nano, 2017, 11, 6057-6064.	14.6	142
8	Fluorine Functionalized Graphene Nano Platelets for Highly Stable Inverted Perovskite Solar Cells. Nano Letters, 2017, 17, 6385-6390.	9.1	106
9	Performance of a hybrid system consisting of a high-temperature polymer electrolyte fuel cell and an absorption refrigerator. Energy, 2017, 141, 2397-2407.	8.8	25
10	Analysis of a High Temperature Polymer Electrolyte Fuel Cell based Trigeneration System. New & Renewable Energy, 2017, 13, 59-68.	0.4	2
11	Flight paths for a regenerative fuel cell based high altitude long endurance unmanned aerial vehicle. Journal of Mechanical Science and Technology, 2016, 30, 3401-3409.	1.5	8
12	Power optimization of a combined power system consisting of a high-temperature polymer electrolyte fuel cell and an organic Rankine cycle system. Energy, 2016, 113, 1062-1070.	8.8	41
13	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
14	Numerical modeling of the degradation rate for membrane electrode assemblies in high temperature proton exchange membrane fuel cells and analyzing operational effects of the degradation. International Journal of Hydrogen Energy, 2015, 40, 5444-5455.	7.1	12
15	Durability of high temperature polymer electrolyte membrane fuel cells in daily based start/stop operation mode using reformed gas. International Journal of Hydrogen Energy, 2015, 40, 7769-7776.	7.1	30
16	Degradation modeling and operational optimization for improving theÂlifetime of high-temperature PEM (proton exchange membrane) fuel cells. Energy, 2014, 66, 41-49.	8.8	76