

Askhat N Jumabekov

List of Publications by Year in descending order

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24
papers

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citing authors

#	ARTICLE	IF	CITATIONS
1	Light management in perovskite solar cell by incorporation of carbon quantum dots. <i>Materials Today: Proceedings</i> , 2022, 49, 2487-2490.	1.8	3
2	Performance evaluation of different designs of back-contact perovskite solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2022, 234, 111426.	6.2	11
3	Self-Powered Organometal Halide Perovskite Photodetector with Embedded Silver Nanowires. <i>Nanomaterials</i> , 2022, 12, 1034.	4.1	5
4	Fabrication of Flexible Quasi-Interdigitated Back-Contact Perovskite Solar Cells. <i>Energies</i> , 2022, 15, 3056.	3.1	6
5	A Morphological Study of Solvothermally Grown SnO ₂ Nanostructures for Application in Perovskite Solar Cells. <i>Nanomaterials</i> , 2022, 12, 1686.	4.1	8
6	Insights on Desired Fabrication Factors from Modeling Sandwich and Quasi-Interdigitated Back-Contact Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2021, 4, 1093-1107.	5.1	19
7	Physical properties of carbon nanowalls synthesized by the ICP-PECVD method vs. the growth time. <i>Scientific Reports</i> , 2021, 11, 19287.	3.3	20
8	Fabrication of anode and cathode layers for back-contact solar cells by microsphere lithography. <i>Materials Today: Proceedings</i> , 2021, , .	1.8	0
9	Cellulose Nanocrystal-Templated Tin Dioxide Thin Films for Gas Sensing. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 12639-12647.	8.0	19
10	Chemical passivation of the perovskite layer and its real-time effect on the device performance in back-contact perovskite solar cells. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2020, 38, .	2.1	6
11	PMMA Thin Film with Embedded Carbon Quantum Dots for Post-Fabrication Improvement of Light Harvesting in Perovskite Solar Cells. <i>Nanomaterials</i> , 2020, 10, 291.	4.1	44
12	Performance optimization of back-contact perovskite solar cells with quasi-interdigitated electrodes. <i>Solar Energy</i> , 2020, 205, 102-108.	6.1	15
13	Solution-processed antireflective coating for back-contact perovskite solar cells. <i>Optics Express</i> , 2020, 28, 12650.	3.4	30
14	Silver nanowires network-based electrode for metal-semiconductor-metal perovskite solar devices. <i>Materials Today: Proceedings</i> , 2020, , .	1.8	0
15	Photon-Induced, Timescale, and Electrode Effects Critical for the in Situ X-ray Spectroscopic Analysis of Electrocatalysts: The Water Oxidation Case. <i>Journal of Physical Chemistry C</i> , 2019, 123, 28533-28549.	3.1	24
16	Perovskite solar cells with a hybrid electrode structure. <i>AIP Advances</i> , 2019, 9, 125037.	1.3	16
17	Fabrication of Back-Contact Electrodes Using Modified Natural Lithography. <i>ACS Applied Energy Materials</i> , 2018, 1, 1077-1082.	5.1	23
18	Transparent Quasi-Interdigitated Electrodes for Semitransparent Perovskite Back-Contact Solar Cells. <i>ACS Applied Energy Materials</i> , 2018, 1, 4473-4478.	5.1	27

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19	Back-contact perovskite solar cells with honeycomb-like charge collecting electrodes. <i>Nano Energy</i> , 2018, 50, 710-716.	16.0	44
20	Directional Charge-Carrier Transport in Oriented Benzodithiophene Covalent Organic Framework Thin Films. <i>ACS Nano</i> , 2017, 11, 2706-2713.	14.6	117
21	Dipole-field-assisted charge extraction in metal-perovskite-metal back-contact solar cells. <i>Nature Communications</i> , 2017, 8, 613.	12.8	66
22	Passivation of PbS Quantum Dot Surface with γ -Glutathione in Solid-State Quantum-Dot-Sensitized Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 4600-4607.	8.0	22
23	Comparison of Solid-State Quantum-Dot-Sensitized Solar Cells with <i>ex Situ</i> and <i>in Situ</i> Grown PbS Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2014, 118, 25853-25862.	3.1	29
24	Quantum-Dot-Sensitized Solar Cells with Water-Soluble and Air-Stable PbS Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2014, 118, 5142-5149.	3.1	31