

Abdullah Uzum

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

279
citations

1040056

9
h-index

940533

16
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all docs

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docs citations

20
times ranked

491
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of Sputtering Damage on $I-V$ Curves for Perovskite Solar Cells and Simulation with Reversed Diode Model. <i>Journal of Physical Chemistry C</i> , 2016, 120, 28441-28447.	3.1	61
2	Effect of Silicon Surface for Perovskite/Silicon Tandem Solar Cells: Flat or Textured?. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 35016-35024.	8.0	40
3	Al_2O_3/TiO_2 double layer anti-reflection coating film for crystalline silicon solar cells formed by spray pyrolysis. <i>Energy Science and Engineering</i> , 2016, 4, 269-276.	4.0	36
4	Interface Optoelectronics Engineering for Mechanically Stacked Tandem Solar Cells Based on Perovskite and Silicon. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 33553-33561.	8.0	36
5	Sprayed and Spin-Coated Multilayer Antireflection Coating Films for Nonvacuum Processed Crystalline Silicon Solar Cells. <i>International Journal of Photoenergy</i> , 2017, 2017, 1-5.	2.5	20
6	Facile fabrication method of small-sized crystal silicon solar cells for ubiquitous applications and tandem device with perovskite solar cells. <i>Materials Today Energy</i> , 2018, 7, 190-198.	4.7	19
7	Selective emitter formation process using single screen-printed phosphorus diffusion source. <i>Solar Energy Materials and Solar Cells</i> , 2013, 109, 288-293.	6.2	17
8	Non-Vacuum Processed Polymer Composite Antireflection Coating Films for Silicon Solar Cells. <i>Energies</i> , 2016, 9, 633.	3.1	10
9	Solution-based hafnium oxide thin films as potential antireflection coating for silicon solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 21279-21287.	2.2	10
10	Totally Vacuum-Free Processed Crystalline Silicon Solar Cells over 17.5% Conversion Efficiency. <i>Photonics</i> , 2017, 4, 42.	2.0	7
11	Silica-sol-based spin-coating barrier layer against phosphorous diffusion for crystalline silicon solar cells. <i>Nanoscale Research Letters</i> , 2014, 9, 659.	5.7	6
12	Water Soluble Aluminum Paste Using Polyvinyl Alcohol for Silicon Solar Cells. <i>International Journal of Photoenergy</i> , 2015, 2015, 1-6.	2.5	6
13	Passivation properties of HfO_2-SiO_2 mixed metal oxide thin films with low reflectivity on silicon substrates for semiconductor devices. <i>Thin Solid Films</i> , 2021, 738, 138965.	1.8	4
14	Perovskite/crystalline silicon tandem solar cells fabricated by non-vacuum-process. , 2015, , .		2
15	Development of aluminum paste with/without boron content for crystalline silicon solar cells. <i>Materials Research Express</i> , 2020, 7, 035502.	1.6	2
16	Perovskite/p-type crystal silicon tandem solar cells. , 2016, , .		1
17	H_2O/O_2 Vapor Annealing Effect on Spin Coating Alumina Thin Films for Passivation of Silicon Solar Cells. <i>International Journal of Photoenergy</i> , 2019, 2019, 1-7.	2.5	1
18	Fresnel calculations of double/multi-layer antireflection coatings on silicon substrates. <i>Research on Engineering Structures and Materials</i> , 2021, , .	0.4	1

#	ARTICLE	IF	CITATIONS
19	Non-Vacuum Process for Production of Crystalline Silicon Solar Cells. , 2017, , .		0
20	Device simulations of electron-transfer-layer-free perovskite solar cells focused on absorber/hole transfer-layer interface. Semiconductor Science and Technology, 2021, 36, 075026.	2.0	0