

Abdullah Uzum

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

279
citations

1040056

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h-index

940533

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20
all docs

20
docs citations

20
times ranked

491
citing authors

#	ARTICLE	IF	CITATIONS
1	Fresnel calculations of double/multi-layer antireflection coatings on silicon substrates. Research on Engineering Structures and Materials, 2021, , .	0.4	1
2	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
3	Passivation properties of HfO ₂ -SiO ₂ mixed metal oxide thin films with low reflectivity on silicon substrates for semiconductor devices. Thin Solid Films, 2021, 738, 138965.	1.8	4
4	Solution-based hafnium oxide thin films as potential antireflection coating for silicon solar cells. Journal of Materials Science: Materials in Electronics, 2020, 31, 21279-21287.	2.2	10
5	Development of aluminum paste with/without boron content for crystalline silicon solar cells. Materials Research Express, 2020, 7, 035502.	1.6	2
6	H ₂ O/O ₂ Vapor Annealing Effect on Spin Coating Alumina Thin Films for Passivation of Silicon Solar Cells. International Journal of Photoenergy, 2019, 2019, 1-7.	2.5	1
7	Facile fabrication method of small-sized crystal silicon solar cells for ubiquitous applications and tandem device with perovskite solar cells. Materials Today Energy, 2018, 7, 190-198.	4.7	19
8	Effect of Silicon Surface for Perovskite/Silicon Tandem Solar Cells: Flat or Textured?. ACS Applied Materials & Interfaces, 2018, 10, 35016-35024.	8.0	40
9	Non-Vacuum Process for Production of Crystalline Silicon Solar Cells. , 2017, , .		0
10	Totally Vacuum-Free Processed Crystalline Silicon Solar Cells over 17.5% Conversion Efficiency. Photonics, 2017, 4, 42.	2.0	7
11	Sprayed and Spin-Coated Multilayer Antireflection Coating Films for Nonvacuum Processed Crystalline Silicon Solar Cells. International Journal of Photoenergy, 2017, 2017, 1-5.	2.5	20
12	Non-Vacuum Processed Polymer Composite Antireflection Coating Films for Silicon Solar Cells. Energies, 2016, 9, 633.	3.1	10
13	Perovskite/p-type crystal silicon tandem solar cells. , 2016, , .		1
14	Al ₂ O ₃ /TiO ₂ double layer anti-reflection coating film for crystalline silicon solar cells formed by spray pyrolysis. Energy Science and Engineering, 2016, 4, 269-276.	4.0	36
15	Analysis of Sputtering Damage on $J-V$ Curves for Perovskite Solar Cells and Simulation with Reversed Diode Model. Journal of Physical Chemistry C, 2016, 120, 28441-28447.	3.1	61
16	Interface Optoelectronics Engineering for Mechanically Stacked Tandem Solar Cells Based on Perovskite and Silicon. ACS Applied Materials & Interfaces, 2016, 8, 33553-33561.	8.0	36
17	Water Soluble Aluminum Paste Using Polyvinyl Alcohol for Silicon Solar Cells. International Journal of Photoenergy, 2015, 2015, 1-6.	2.5	6
18	Perovskite/crystalline silicon tandem solar cells fabricated by non-vacuum-process. , 2015, , .		2

#	ARTICLE	IF	CITATIONS
19	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
20	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