

Haider Ali

List of Publications by Year in descending order

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24
papers

530
citations

1170033

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docs citations

24
times ranked

850
citing authors

#	ARTICLE	IF	CITATIONS
1	Phosphorus-doped polysilicon passivating contacts deposited by atmospheric pressure chemical vapor deposition. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 384003.	1.3	6
2	A Combined Mechanochemical and Calcination Route to Mixed Cobalt Oxides for the Selective Catalytic Reduction of Nitrophenols. <i>Molecules</i> , 2020, 25, 89.	1.7	12
3	Spatial Atomic Layer Deposition of Molybdenum Oxide for Industrial Solar Cells. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000895.	1.9	18
4	Transmission Electron Microscopy and Electron Energy-Loss Spectroscopy Studies of Hole-Selective Molybdenum Oxide Contacts in Silicon Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 43075-43080.	4.0	11
5	Nondestructive Contact Resistivity Measurements on Solar Cells Using the Circular Transmission Line Method. <i>IEEE Journal of Photovoltaics</i> , 2019, 9, 1800-1805.	1.5	9
6	TEM Study of MoOx/Ni and MoOx/Al Contacts for Silicon Solar Cells. <i>Microscopy and Microanalysis</i> , 2019, 25, 2116-2117.	0.2	0
7	In Situ Transmission Electron Microscopy Study of Molybdenum Oxide Contacts for Silicon Solar Cells. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019, 216, 1800998.	0.8	6
8	Transmission Electron Microscopy Study of UV-ozone Cleaned Silicon Surfaces for Application in High Efficiency Photovoltaics. , 2019, , .		0
9	In Situ Transmission Electron Microscopy: A Powerful Tool for the Characterization of Carrier-Selective Contacts. , 2019, , .		0
10	Effective Use of UV-ozone Oxide in Silicon Solar Cell Applications. <i>Physica Status Solidi - Rapid Research Letters</i> , 2019, 13, 1800488.	1.2	8
11	Automated detection of rear contact voids in perc cells with photoluminescence imaging. <i>Solar Energy Materials and Solar Cells</i> , 2018, 179, 31-35.	3.0	3
12	Thermally Stable Molybdenum Oxide Hole-Selective Contacts Deposited using Spatial Atomic Layer Deposition. , 2018, , .		5
13	Transmission Electron Microscopy Studies of Transition Metal Oxides Employed as Carrier Selective Contacts in Silicon Solar Cells. , 2018, , .		0
14	Simple and versatile UV-ozone oxide for silicon solar cell applications. <i>Solar Energy Materials and Solar Cells</i> , 2018, 185, 505-510.	3.0	21
15	Thermal Stability of Hole-Selective Tungsten Oxide: In Situ Transmission Electron Microscopy Study. <i>Scientific Reports</i> , 2018, 8, 12651.	1.6	16
16	TEM studies of hole-selective molybdenum oxide contacts in silicon heterojunction solar cells. <i>Microscopy and Microanalysis</i> , 2018, 24, 1508-1509.	0.2	3
17	Solar blind photodetector based on epitaxial zinc doped Ga ₂ O ₃ thin film. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2017, 214, 1600688.	0.8	61
18	MgZnO grown by molecular beam epitaxy on N-Type $\hat{1}^2$ -Ga ₂ O ₃ for UV Schottky barrier solar-blind photodetectors. <i>Proceedings of SPIE</i> , 2017, , .	0.8	5

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19	Solar blind photodetector based on epitaxial zinc doped Ga ₂ O ₃ thin film (Phys. Status Solidi A 5â•2017). Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1770127.	0.8	5
20	Transmission Electron Microscopy Studies of Electron-Selective Titanium Oxide Contacts in Silicon Solar Cells. Microscopy and Microanalysis, 2017, 23, 900-904.	0.2	19
21	Influence of surface preparation and cleaning on the passivation of boron diffused silicon surfaces for high efficiency photovoltaics. Thin Solid Films, 2017, 636, 412-418.	0.8	9
22	Transmission electron microscopy based interface analysis of the origin of the variation in surface recombination of silicon for different surface preparation methods and passivation materials. Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1700286.	0.8	11
23	Highâ€Performance TiO ₂ -Based Electronâ€Selective Contacts for Crystalline Silicon Solar Cells. Advanced Materials, 2016, 28, 5891-5897.	11.1	300
24	TEM studies of TiO ₂ -based passivated contacts in c-Si solar cells. Microscopy and Microanalysis, 2016, 22, 1600-1601.	0.2	2