Haider Ali

List of Publications by Year
in descending order

24 papers	530 citations	1040056 9 h-index	794594 19 g-index
24 all docs	24 docs citations	24 times ranked	728 citing authors

#	Article	IF	Citations
1	Highâ€Performance TiO₂â€Based Electronâ€Selective Contacts for Crystalline Silicon Solar Cells. Advanced Materials, 2016, 28, 5891-5897.	21.0	300
2	Solar blind photodetector based on epitaxial zinc doped Ga₂O₃ thin film. Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1600688.	1.8	61
3	Simple and versatile UV-ozone oxide for silicon solar cell applications. Solar Energy Materials and Solar Cells, 2018, 185, 505-510.	6.2	21
4	Transmission Electron Microscopy Studies of Electron-Selective Titanium Oxide Contacts in Silicon Solar Cells. Microscopy and Microanalysis, 2017, 23, 900-904.	0.4	19
5	Spatial Atomic Layer Deposition of Molybdenum Oxide for Industrial Solar Cells. Advanced Materials Interfaces, 2020, 7, 2000895.	3.7	18
6	Thermal Stability of Hole-Selective Tungsten Oxide: In Situ Transmission Electron Microscopy Study. Scientific Reports, 2018, 8, 12651.	3.3	16
7	A Combined Mechanochemical and Calcination Route to Mixed Cobalt Oxides for the Selective Catalytic Reduction of Nitrophenols. Molecules, 2020, 25, 89.	3.8	12
8	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.	1.8	11
9	Transmission Electron Microscopy and Electron Energy-Loss Spectroscopy Studies of Hole-Selective Molybdenum Oxide Contacts in Silicon Solar Cells. ACS Applied Materials & Interfaces, 2019, 11, 43075-43080.	8.0	11
10	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.	1.8	9
11	Nondestructive Contact Resistivity Measurements on Solar Cells Using the Circular Transmission Line Method. IEEE Journal of Photovoltaics, 2019, 9, 1800-1805.	2.5	9
12	Effective Use of UVâ€Ozone Oxide in Silicon Solar Cell Applications. Physica Status Solidi - Rapid Research Letters, 2019, 13, 1800488.	2.4	8
13	In Situ Transmission Electron Microscopy Study of Molybdenum Oxide Contacts for Silicon Solar Cells. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1800998.	1.8	6
14	Phosphorus-doped polysilicon passivating contacts deposited by atmospheric pressure chemical vapor deposition. Journal Physics D: Applied Physics, 2021, 54, 384003.	2.8	6
15	MgZnO grown by molecular beam epitaxy on N-Type Î²-Ga₂O₃ for UV Schottky barrier solar-blind photodetectors. Proceedings of SPIE, 2017, , .	0.8	5
16	Solar blind photodetector based on epitaxial zinc doped Ga₂O₃ thin film (Phys. Status Solidi A 5â•2017). Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1770127.	1.8	5
17	Thermally Stable Molybdenum Oxide Hole-Selective Contacts Deposited using Spatial Atomic Layer Deposition. , 2018, , .		5
18	Automated detection of rear contact voids in perc cells with photoluminescence imaging. Solar Energy Materials and Solar Cells, 2018, 179, 31-35.	6.2	3

#	Article	IF	Citations
19	TEM studies of hole-selective molybdenum oxide contacts in silicon heterojunction solar cells. Microscopy and Microanalysis, 2018, 24, 1508-1509.	0.4	3
20	TEM studies of TiO 2 -based passivated contacts in c-Si solar cells. Microscopy and Microanalysis, 2016, 22, 1600-1601.	0.4	2
21	Transmission Electron Microscopy Studies of Transition Metal Oxides Employed as Carrier Selective Contacts in Silicon Solar Cells. , 2018, , .		0
22	TEM Study of MoOx/Ni and MoOx/Al Contacts for Silicon Solar Cells. Microscopy and Microanalysis, 2019, 25, 2116-2117.	0.4	0
23	Transmission Electron Microscopy Study of UV-ozone Cleaned Silicon Surfaces for Application in High Efficiency Photovoltaics. , 2019, , .		0
24	In Situ Transmission Electron Microscopy: A Powerful Tool for the Characterization of Carrier-Selective Contacts. , 2019, , .		0