Zhongquan

List of Publications by Year
in descending order

20	195	1162889 8	1058333 14
papers	citations	h-index	g-index

20	20	20	349
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The performance of a perovskite-silicon tandem photovoltaic device coupled with the infrared-enhanced response titanium subnitride film. Applied Surface Science, 2022, 579, 152113.	3.1	2
2	Role of Interfacial Oxide Layer in MoOx/n-Si Heterojunction Solar Cells. International Journal of Photoenergy, 2021, 2021, 1-8.	1.4	0
3	The hole transport mechanism of MoO_x/a-Si: H(i)/n-Si heterojunction photovoltaic devices: the source of the â€˜S-shapedâ€™ behavior. Journal Physics D: Applied Physics, 2020, 53, 425302.	1.3	1
4	Role of nuclei in controllable MoS2 growth by modified chemical vapor deposition. Journal of Materials Science: Materials in Electronics, 2018, 29, 7425-7434.	1.1	2
5	Bifunctional Hybrid a-SiO_x(Mo) Layer for Hole-Selective and Interface Passivation of Highly Efficient MoO_x/a-SiO_x(Mo)/n-Si Heterojunction Photovoltaic Device. ACS Applied Materials & Interfaces, 2018, 10, 27454-27464.	4.0	28
6	A concise way to estimate the average density of interface states in an ITOâ€“SiO x /n-Si heterojunction solar cell. Applied Surface Science, 2017, 416, 432-438.	3.1	8
7	Effective Passivation and Tunneling Hybrid a-SiO_x(In) Layer in ITO/n-Si Heterojunction Photovoltaic Device. ACS Applied Materials & Interfaces, 2017, 9, 17565-17575.	4.0	16
8	Unveiling the Lowâ€Temperature Pseudodegradation of Photovoltaic Performance in Planar Perovskite Solar Cell by Optoelectronic Observation. Advanced Energy Materials, 2016, 6, 1600814.	10.2	21
9	Questing and the application for silicon based ternary compound within ultra-thin layer of SIS intermediate region. Applied Surface Science, 2016, 388, 57-63.	3.1	6
10	Preparation of ITO/SiOx/n-Si solar cells with non-decline potential field and hole tunneling by magnetron sputtering. Applied Physics Letters, 2015, 106, .	1.5	37
11	Hydrogen-free synthesis of few-layer graphene film on different substrates by plasma enhanced chemical vapor deposition. Journal of Materials Science: Materials in Electronics, 2015, 26, 6961-6969.	1.1	2
12	Modifications and multiple roles of graphene film in SIS structural solar cells. Solar Energy, 2015, 122, 658-666.	2.9	8
13	Hydrogen-free synthesis of grapheneâ€“graphitic films directly on Si substrate by plasma enhanced chemical vapor deposition. Journal of Materials Science: Materials in Electronics, 2015, 26, 1485-1493.	1.1	11
14	Improvement of band gap profile in Cu(InGa)Se2 solar cells through rapid thermal annealing. Materials Research Bulletin, 2014, 54, 48-53.	2.7	1
15	Photoluminescence study of the defect-induced recombination in Cu(In,Ga)Se2 solar cell. Solar Energy, 2013, 98, 415-421.	2.9	8
16	Refined nano-textured surface coupled with SiNx layer on the improved photovoltaic properties of multi-crystalline silicon solar cells. Solid-State Electronics, 2013, 85, 23-27.	0.8	16
17	Surfactant-assisted nanocrystal filling of TiO2 nanotube arrays for dye-sensitized solar cells with improved performance. Journal of Power Sources, 2013, 236, 10-16.	4.0	27
18	Realization of higher current density in the solar cell of SINP architecture. Solar Energy Materials and Solar Cells, 2011, 95, 89-92.	3.0	0

#	ARTICLE	IF	CITATIONS
19	Inspection of intermediate stress-induced electronic traps in Si/Al2O3 system. Vacuum, 2004, 77, 5-9.	1.6	0
20	Surface partition of ion energy during the growth of TiNx thin films. Solid State Communications, 2004, 132, 347-350.	0.9	1