

Tariq Al Zoubi

List of Publications by Year in descending order

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papers

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citations

840776

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197
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and simulation of high efficiency lead-free heterostructure perovskite solar cell using SCAPS-1D. <i>Optik</i> , 2021, 229, 166258.	2.9	54
2	Enhanced UV-light detection based on ZnO nanowires/graphene oxide hybrid using cost-effective low temperature hydrothermal process. <i>Optical Materials</i> , 2018, 77, 226-232.	3.6	51
3	Efficiency boost of CZTS solar cells based on double-absorber architecture: Device modeling and analysis. <i>Solar Energy</i> , 2021, 225, 44-52.	6.1	29
4	Numerical study of CdTe solar cells with MoTe_2 TMDC as an interfacial layer using SCAPS. <i>Modern Physics Letters B</i> , 2018, 32, 1850269.	1.9	23
5	Effect of the n-MoTe ₂ interfacial layer in cadmium telluride solar cells using SCAPS. <i>Optik</i> , 2018, 170, 101-105.	2.9	22
6	Simulation analysis of functional MoSe_2 layer for ultra-thin Cu(In,Ga)Se_2 solar cells architecture. <i>Modern Physics Letters B</i> , 2020, 34, 2050065.	1.9	21
7	Exploration of CZTS-based solar using the ZrS_2 as a novel buffer layer by SCAPS simulation. <i>Optical Materials</i> , 2022, 124, 112001.	3.6	18
8	Interface structure and strain state of InAs nano-clusters embedded in silicon. <i>Acta Materialia</i> , 2015, 90, 133-139.	7.9	16
9	Development of high efficiency CZTS solar cell through buffer layer parameters optimization using SCAPS-1D. <i>Materials Today: Proceedings</i> , 2020, 33, 1825-1829.	1.8	15
10	Growth of InAs quantum dots and dashes on silicon substrates: Formation and characterization. <i>Journal of Crystal Growth</i> , 2011, 323, 422-425.	1.5	14
11	Numerical Simulation of Single Junction InGaN Solar Cell by SCAPS. <i>Key Engineering Materials</i> , 2019, 821, 407-413.	0.4	13
12	Optoelectronic simulation of a high efficiency C_2N based solar cell via buffer layer optimization. <i>Optical Materials</i> , 2021, 119, 111364.	3.6	13
13	High efficiency performance of eco-friendly $\text{C}_2\text{N}/\text{FASnI}_3$ double-absorber solar cell probed by numerical analysis. <i>Optical Materials</i> , 2021, 122, 111743.	3.6	12
14	Insights into the impact of defect states and temperature on the performance of kesterite-based thin-film solar cells. <i>Optik</i> , 2022, 264, 169442.	2.9	6
15	NiO-nanofillers embedded in graphite/PVA-polymer matrix for efficient electromagnetic radiation shielding. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	5
16	High-performance numerical modeling of toxic-free CZTS solar cell structure. <i>Materials Today: Proceedings</i> , 2020, 33, 1769-1774.	1.8	5
17	Nanostructuring of silicon substrates for the site-controlled growth of $\text{GaAs}/\text{In}_{0.15}\text{Ga}_{0.85}\text{As}/\text{GaAs}$ nanostructures. <i>Microelectronic Engineering</i> , 2012, 97, 59-63.	2.4	4
18	Investigation into surface acoustic wave sensor for DCM gas detection using COMSOL multiphysics. <i>Ferroelectrics</i> , 2021, 572, 94-105.	0.6	4

#	ARTICLE	IF	CITATIONS
19	Arresting high-temperature microstructural evolution inside sintered silver. Journal of Materials Science: Materials in Electronics, 2019, 30, 463-474.	2.2	1
20	Study of the Substrate Materials and Thin Film Sensing Layer on the SAW Sensor Behaviour for VOCs. , 2020, , .		1