

Sabina Abdul-Hadi

List of Publications by Year in descending order

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29
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citing authors

#	ARTICLE	IF	CITATIONS
1	Study of Polyethylene Fibers Used in Masks Via Luminescent Aerosolized Silicon Nanoparticles. Silicon, 2022, 14, 6981-6991.	1.8	1
2	Strong Reduction in Ge Film Reflectivity by an Overlayer of 3 nm Si Nanoparticles: Implications for Photovoltaics. ACS Applied Nano Materials, 2021, 4, 4602-4614.	2.4	10
3	Using Otsu's Method for Image Segmentation to Determine the Particle Density, Surface Coverage and Cluster Size Distribution of 3 nm Si Nanoparticles. IEEE Nanotechnology Magazine, 2021, 20, 765-774.	1.1	3
4	Memristor Based Frequency Switching in Bandpass Filters. , 2021, , .		0
5	Modulating Surface Roughness of Low Temperature PECVD Germanium using Multilayer Drop Casting of 2.85 nm Silicon Nanoparticles. , 2020, , .		1
6	Effects of 2.85 nm Si Nanoparticles on AZO/n+/p c-Si Thin Film Solar Cell. , 2020, , .		0
7	Bipolar Cu/HfO ₂ /p++ Si Memristors by Sol-Gel Spin Coating Method and Their Application to Environmental Sensing. Scientific Reports, 2019, 9, 9983.	1.6	33
8	MOMSense: Metal-Oxide-Metal Elementary Glucose Sensor. Scientific Reports, 2019, 9, 5524.	1.6	39
9	High-Density ReRAM Crossbar with Selector Device for Sneak Path Reduction. , 2019, , .		6
10	Effect of PECVD a-Si Growth Temperature on the Performance of a-Si/c-Si Solar Cells. , 2019, , .		1
11	III-V/Si dual junction solar cell at scale: Manufacturing cost estimates for step-cell based technology. Journal of Renewable and Sustainable Energy, 2018, 10, .	0.8	18
12	Effect of atomic layer deposited Al ₂ O ₃ :ZnO alloys on thin-film silicon photovoltaic devices. Journal of Applied Physics, 2017, 122, .	1.1	11
13	Detailed Characterization for TCAD Simulations of GaAs _{0.76} P _{0.24} /Si _{1-y} Ge _y /Si Single Junction Solar Cells. , 2017, , .		0
14	Increase in Maximum Power of a-Si, c-Si and GaAs _{0.76} P _{0.24} Solar Cells Under Low Concentration. , 2017, , .		0
15	Theoretical efficiency limit for a two-terminal multi-junction "step-cell" using detailed balance method. Journal of Applied Physics, 2016, 119, .	1.1	19
16	Demonstration of aluminum doped ZnO as anti-reflection coating. , 2016, , .		3
17	Towards demonstration of GaAs _{0.76} /P _{0.24} /Si dual junction step-cell. , 2016, , .		0
18	Reducing optical and resistive losses in graded silicon-germanium buffer layers for silicon based tandem cells using step-cell design. AIP Advances, 2015, 5, 057161.	0.6	9

#	ARTICLE	IF	CITATIONS
19	Theoretical efficiency limits of a 2 terminal dual junction step cell. , 2015, , .		4
20	Design Optimization of Single-Layer Antireflective Coating for GaAs _{1-x} P _x /Si Tandem Cells With $\hbar\omega = \hbar\omega_0$, 0.17, 0.29, and 0.37. IEEE Journal of Photovoltaics, 2015, 5, 425-431.	1.5	8
21	Multilayer antireflection coating design for GaAs _{0.69} P _{0.31} /Si dual-junction solar cells. Solar Energy, 2015, 122, 76-86.	2.9	42
22	Novel GaAs _{0.71} P _{0.29} /Si tandem step-cell design. , 2014, , .		2
23	Thin-film Si _{1-x} Ge _x HIT solar cells. Solar Energy, 2014, 103, 154-159.	2.9	43
24	Comparative Life Cycle Assessment (LCA) of streetlight technologies for minor roads in United Arab Emirates. Energy for Sustainable Development, 2013, 17, 438-450.	2.0	30
25	Effect of germanium fraction on the effective minority carrier lifetime in thin film amorphous-Si/crystalline-Si _{1-x} Ge _x /crystalline-Si heterojunction solar cells. AIP Advances, 2013, 3, 052119.	0.6	18
26	Thin film a-Si/c-Si _{1-x} Ge _x /c-Si heterojunction solar cells with Ge content up to 56%. , 2012, , .		13
27	a-Si/c-Si _{1-x} Ge _x /c-Si heterojunction solar cells. , 2011, , .		7
28	Thin Film a-Si/c-Si _{1-x} Ge _x /c-Si Heterojunction Solar Cells: Design and Material Quality Requirements. ECS Transactions, 2011, 41, 3-14.	0.3	31