

Sabina Abdul-Hadi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

21
papers

229
citations

9
h-index

14
g-index

29
ext. papers

292
ext. citations

3.5
avg, IF

3.01
L-index

#	Paper	IF	Citations
21	Strong Reduction in Ge Film Reflectivity by an Overlayer of 3 nm Si Nanoparticles: Implications for Photovoltaics. <i>ACS Applied Nano Materials</i> , 2021 , 4, 4602-4614	5.6	5
20	Using Otsus Method for Image Segmentation to Determine the Particle Density, Surface Coverage and Cluster Size Distribution of 3 nm Si Nanoparticles. <i>IEEE Nanotechnology Magazine</i> , 2021 , 1-1	2.6	1
19	Modulating Surface Roughness of Low Temperature PECVD Germanium using Multilayer Drop Casting of 2.85 nm Silicon Nanoparticles 2020 ,		1
18	MOMSense: Metal-Oxide-Metal Elementary Glucose Sensor. <i>Scientific Reports</i> , 2019 , 9, 5524	4.9	22
17	Bipolar Cu/HfO/p Si Memristors by Sol-Gel Spin Coating Method and Their Application to Environmental Sensing. <i>Scientific Reports</i> , 2019 , 9, 9983	4.9	26
16	High-Density ReRAM Crossbar with Selector Device for Sneak Path Reduction 2019 ,		2
15	III-V/Si dual junction solar cell at scale: Manufacturing cost estimates for step-cell based technology. <i>Journal of Renewable and Sustainable Energy</i> , 2018 , 10, 015905	2.5	11
14	Effect of atomic layer deposited Al ₂ O ₃ :ZnO alloys on thin-film silicon photovoltaic devices. <i>Journal of Applied Physics</i> , 2017 , 122, 245103	2.5	4
13	Theoretical efficiency limit for a two-terminal multi-junction step-cell using detailed balance method. <i>Journal of Applied Physics</i> , 2016 , 119, 073104	2.5	14
12	Demonstration of aluminum doped ZnO as anti-reflection coating 2016 ,		2
11	Multilayer antireflection coating design for GaAs _{0.69} P _{0.31} /Si dual-junction solar cells. <i>Solar Energy</i> , 2015 , 122, 76-86	6.8	33
10	Reducing optical and resistive losses in graded silicon-germanium buffer layers for silicon based tandem cells using step-cell design. <i>AIP Advances</i> , 2015 , 5, 057161	1.5	6
9	Theoretical efficiency limits of a 2 terminal dual junction step cell 2015 ,		3
8	Design Optimization of Single-Layer Antireflective Coating for GaAs _{1-x} P _x /Si Tandem Cells With $x = 0, 0.17, 0.29, \text{ and } 0.37$. <i>IEEE Journal of Photovoltaics</i> , 2015 , 5, 425-431	2.7	7
7	Thin-film Si _{1-x} Ge _x HIT solar cells. <i>Solar Energy</i> , 2014 , 103, 154-159	6.8	33
6	Comparative Life Cycle Assessment (LCA) of streetlight technologies for minor roads in United Arab Emirates. <i>Energy for Sustainable Development</i> , 2013 , 17, 438-450	5.4	21
5	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. <i>AIP Advances</i> , 2013 , 3, 052119 ^{1.5}	1.5	12

4	Thin film a-Si/c-Si _{1-x} Ge _x /c-Si heterojunction solar cells with Ge content up to 56% 2012 ,		4
3	a-Si/c-Si _{1-x} Ge _x /c-Si heterojunction solar cells 2011 ,		1
2	Thin Film a-Si/c-Si _{1-x} Ge _x /c-Si Heterojunction Solar Cells: Design and Material Quality Requirements. <i>ECS Transactions</i> , 2011 , 41, 3-14	1	20
1	Study of Polyethylene Fibers Used in Masks Via Luminescent Aerosolized Silicon Nanoparticles. <i>Silicon</i> ,1	2.4	1