

# Rehab Ramadan

## List of Publications by Year in descending order

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Version: 2024-02-01

16  
papers

238  
citations

1040056

9  
h-index

996975

15  
g-index

16  
all docs

16  
docs citations

16  
times ranked

240  
citing authors

#	ARTICLE	IF	CITATIONS
1	Gelatin-based solid electrolyte releasing Li <sup>+</sup> for smart window applications. <i>Solar Energy Materials and Solar Cells</i> , 2014, 127, 147-156.	6.2	49
2	Hybrid porous silicon/silver nanostructures for the development of enhanced photovoltaic devices. <i>Journal of Materials Science</i> , 2020, 55, 5458-5470.	3.7	39
3	Hybrid Nanostructured Porous Silicon-Silver Layers for Wideband Optical Absorption. <i>Scientific Reports</i> , 2019, 9, 7291.	3.3	20
4	Sol-gel-Deposited Ti-Doped ZnO: Toward Cell Fouling Transparent Conductive Oxides. <i>ACS Omega</i> , 2019, 4, 11354-11363.	3.5	19
5	Self-powered broadband hybrid organic-inorganic photodetectors based on PEDOT:PSS and silicon micro-nanostructures. <i>Journal of Materials Chemistry C</i> , 2021, 9, 4682-4694.	5.5	19
6	Preparation and characterization of protonic solid electrolyte applied to a smart window device with high optical modulation. <i>Optik</i> , 2017, 135, 85-97.	2.9	18
7	Electrical Characterization of MIS Schottky Barrier Diodes Based on Nanostructured Porous Silicon and Silver Nanoparticles with Applications in Solar Cells. <i>Energies</i> , 2020, 13, 2165.	3.1	13
8	Preparation and characterization of spray-deposited efficient Prussian blue electrochromic thin film. <i>Optik</i> , 2017, 129, 130-139.	2.9	11
9	Microwave plasma annealing of sol-gel deposited tantalum oxide and zinc oxide films. <i>Vacuum</i> , 2018, 149, 336-342.	3.5	10
10	Microwave plasma and rapid thermal processing of indium-tin oxide thin films for enhancing their performance as transparent electrodes. <i>Journal of Photonics for Energy</i> , 2019, 9, 1.	1.3	10
11	Fabrication of Zinc Oxide and Nanostructured Porous Silicon Composite Micropatterns on Silicon. <i>Coatings</i> , 2020, 10, 529.	2.6	9
12	Silver-enriched ZnO:Ag thin films deposited by magnetron co-sputtering: Post annealing effects on structural and physical properties. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2022, 276, 115558.	3.5	9
13	The Infiltration of Silver Nanoparticles into Porous Silicon for Improving the Performance of Photonic Devices. <i>Nanomaterials</i> , 2022, 12, 271.	4.1	5
14	Effect of electrolyte pH value and current density on the electrodeposition of silver nanoparticles into porous silicon. <i>Journal of Nanophotonics</i> , 2020, 14, .	1.0	4
15	Bringing immuno-assemblies to optoelectronics: sandwich assay integration of a nanostructured porous-silicon/gold-nanoparticle phototransistor. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 271, 115271.	3.5	2
16	Self-Organized In-Depth Gradients in Highly Ti-Doped ZnO Films: Thermal Versus MW Plasma Annealing. <i>Coatings</i> , 2020, 10, 418.	2.6	1