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List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

409
citations

623734

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h-index

839539

18
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20
all docs

20
docs citations

20
times ranked

384
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-layered TiO ₂ photoanodes from different precursors of nanocrystals for dye-sensitized solar cells. <i>Solar Energy</i> , 2018, 173, 752-758.	6.1	46
2	Enhancement of efficiency of natural and organic dye sensitized solar cells using thin film TiO ₂ photoanodes fabricated by spin-coating. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 368, 23-29.	3.9	42
3	St. Lucie cherry, yellow jasmine, and madder berries as novel natural sensitizers for dye-sensitized solar cells. <i>International Journal of Energy Research</i> , 2019, 43, 3914-3922.	4.5	40
4	A route towards enhanced UV photo-response characteristics of SnO ₂ /p-Si based heterostructures by hydrothermally grown nanorods. <i>Journal of Alloys and Compounds</i> , 2020, 849, 156628.	5.5	39
5	Influence of the spin acceleration time on the properties of ZnO:Ga thin films deposited by sol-gel method. <i>Journal of Sol-Gel Science and Technology</i> , 2018, 86, 513-520.	2.4	29
6	An Understanding of the Band Gap Shrinkage in Sn-Doped ZnO for Dye-Sensitized Solar Cells. <i>Journal of Electronic Materials</i> , 2017, 46, 6739-6744.	2.2	22
7	DFT simulation, quantum chemical electronic structure, spectroscopic and structure-activity investigations of 4-acetylpyridine. <i>Journal of Molecular Structure</i> , 2018, 1161, 55-65.	3.6	22
8	Plasmonic mesoporous core-shell Ag-Au@TiO ₂ photoanodes for efficient light harvesting in dye sensitized solar cells. <i>Solar Energy</i> , 2019, 193, 820-827.	6.1	22
9	Î ² -Ga ₂ O ₃ nanoflakes/p-Si heterojunction self-powered photodiodes. <i>Materials Today Communications</i> , 2020, 24, 101105.	1.9	22
10	Facile fabrication of low-cost low-temperature carbon-based counter electrode with an outstanding fill factor of 73% for dye-sensitized solar cells. <i>International Journal of Energy Research</i> , 2020, 44, 3160-3170.	4.5	19
11	Electron transport in Al-Cu co-doped ZnO thin films. <i>Journal of Applied Physics</i> , 2017, 121, .	2.5	17
12	Ni-doped TiO ₂ / TiO ₂ homojunction photoanodes for efficient dye-sensitized solar cells. <i>International Journal of Energy Research</i> , 2022, 46, 14558-14569.	4.5	17
13	Extraction method dependent performance of bio-based dye-sensitized solar cells (DSSCs). <i>Materials Research Express</i> , 2019, 6, 095512.	1.6	16
14	Al-Ga co-doped ZnO/Si heterojunction diodes. <i>Physica B: Condensed Matter</i> , 2021, 600, 412599.	2.7	16
15	Effects of Co and Cu dopants on the structural, optical, and electrical properties of ZnO nanocrystals. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 6088-6092.	2.2	14
16	Structural and optical properties of hexagonal ZnO nanostructures grown by ultrasonic spray CVD. <i>Optik</i> , 2018, 168, 86-91.	2.9	14
17	Ultraviolet photodiode fabricated from TiO ₂ nanorods/p-silicon heterojunction. <i>Materials Letters</i> , 2022, 323, 132565.	2.6	7
18	W-doped ZnO transparent conducting nanostructures synthesized by hydrothermal method. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 19126-19135.	2.2	4

#	ARTICLE	IF	CITATIONS
19	Al ₂ O ₃ /Ga ₂ O ₃ /Si Heterojunction Photodiode with ZnO ARC layer in the UV Detection. , 2019, , .		1
20	Fabrication of Al ₂ O ₃ /Ga ₂ O ₃ /Si Solar-Blind UV Photodiode via Sol-Gel Method. , 2019, , .		0