

Marimuthu T

List of Publications by Year in descending order

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22
papers

288
citations

1040056

9
h-index

888059

17
g-index

22
all docs

22
docs citations

22
times ranked

319
citing authors

#	ARTICLE	IF	CITATIONS
1	Facile growth of ZnO nanowire arrays and nanoneedle arrays with flower structure on ZnO-TiO ₂ seed layer for DSSC applications. <i>Journal of Alloys and Compounds</i> , 2017, 693, 1011-1019.	5.5	48
2	Synthesis of ZnO nanowire arrays on ZnO TiO ₂ mixed oxide seed layer for dye sensitized solar cell applications. <i>Journal of Alloys and Compounds</i> , 2016, 677, 211-218.	5.5	42
3	High Shunt Resistance SnO ₂ â€PbO Electron Transport Layer for Perovskite Solar Cells Used in Low Lighting Applications. <i>Advanced Sustainable Systems</i> , 2021, 5, 2100120.	5.3	36
4	Synthesis and characterization of copper sulfide thin films for quantum dot sensitized solar cell and supercapacitor applications. <i>Nano Structures Nano Objects</i> , 2019, 17, 138-147.	3.5	28
5	One-step fabrication of copper sulfide catalysts for HER in natural seawater and their bifunctional properties in freshwater splitting. <i>Fuel</i> , 2022, 322, 124073.	6.4	15
6	An enhancement of ferromagnetic, structural, morphological, and optical properties of Mn-doped Cu ₂ O thin films by an electrodeposition technique. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 19524-19535.	2.2	14
7	Electrochemical sensor for the detection of lead ions of B-site-doped bismuth titanate perovskite thin film. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	2.3	11
8	Cost effective and facile low temperature hydrothermal fabrication of Cu ₂ S thin films for hydrogen evolution reaction in seawater splitting. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 30819-30829.	7.1	11
9	Pristine and cobalt doped copper sulfide microsphere particles for seawater splitting. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 37171-37182.	7.1	11
10	Effect of P. Murex on the properties of spin coated ZnO thin films for dye sensitized solar cell applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 7577-7587.	2.2	10
11	Two-dimensional hybrid perovskite solar cells: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 189-210.	16.2	10
12	Effect of hexamethylenetetramine on the properties of electrodeposited ZnO thin films for dye sensitized solar cell applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 12830-12841.	2.2	9
13	A facile electrochemicalâ€hydrothermal synthesis and characterization of zinc oxide hierarchical structure for dye sensitized solar cell applications. <i>Journal of Materials Science</i> , 2018, 53, 12441-12454.	3.7	9
14	Effect of Deposition Potential on Synthesis, Structural, Morphological and Photoconductivity Response of Cu ₂ O Thin Films by Electrodeposition Technique. <i>Acta Metallurgica Sinica (English)</i> Tj ETQqO 0 0 rgBT 4Overlock 10 Tf 50 2	4.0	9
15	Tuning the magnetic properties of electrochemically deposited Cu ₂ O thin films by Fe incorporation. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 15482-15492.	2.2	7
16	Role of Annealing Temperatures on Mechanical, Optical, Electrical and Magnetic Properties of Nanohydroxyapatite Biomaterial. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 4366-4376.	0.9	6
17	Effect of polyvinyl alcohol on electrochemically deposited ZnO thin films for DSSC applications. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	4
18	Influence of bath temperatures on physical and electrical properties of potentiostatically deposited Cu ₂ O thin films for heterojunction solar cell applications. <i>Optical and Quantum Electronics</i> , 2019, 51, 1.	3.3	4

#	ARTICLE	IF	CITATIONS
19	Effect of Deposition Potential and Bath Temperature on One-Step Electrochemical Synthesis of One and Two Dimensional Nanostructured ZnO Thin Films on Fluorine Doped Tin Oxide Substrates. Journal of Nanoscience and Nanotechnology, 2019, 19, 7014-7025.	0.9	2
20	Li ion conducting gel polymer electrolytes based on Poly(vinyl acetate). AIP Conference Proceedings, 2013, , .	0.4	1
21	Facile synthesis of one dimensional ZnO nanostructures for DSSC applications. AIP Conference Proceedings, 2016, , .	0.4	1
22	Vertical growth of ZnO nanorods on ZnO seeded FTO substrate for dye sensitized solar cells. AIP Conference Proceedings, 2018, , .	0.4	0