

Sarah Messina

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

552
citations

840776

11
h-index

940533

16
g-index

20
all docs

20
docs citations

20
times ranked

785
citing authors

#	ARTICLE	IF	CITATIONS
1	Antimony sulfide thin films in chemically deposited thin film photovoltaic cells. <i>Thin Solid Films</i> , 2007, 515, 5777-5782.	1.8	148
2	Antimony Selenide Absorber Thin Films in All-Chemically Deposited Solar Cells. <i>Journal of the Electrochemical Society</i> , 2009, 156, H327.	2.9	117
3	Solar cells with Sb ₂ S ₃ absorber films. <i>Thin Solid Films</i> , 2009, 517, 2503-2507.	1.8	79
4	Optimization of Alkaline and Dilute Acid Pretreatment of Agave Bagasse by Response Surface Methodology. <i>Frontiers in Bioengineering and Biotechnology</i> , 2015, 3, 146.	4.1	45
5	Indium sulfide thin films as window layer in chemically deposited solar cells. <i>Thin Solid Films</i> , 2014, 550, 110-113.	1.8	28
6	Physical properties of chemically deposited Bi ₂ S ₃ thin films using two post-deposition treatments. <i>Applied Surface Science</i> , 2014, 311, 729-733.	6.1	28
7	Antimony sulphide thin film as an absorber in chemically deposited solar cells. <i>Journal Physics D: Applied Physics</i> , 2008, 41, 095112.	2.8	24
8	Characterization of CuInS ₂ thin films prepared by chemical bath deposition and their implementation in a solar cell. <i>Thin Solid Films</i> , 2014, 569, 76-80.	1.8	22
9	E-waste recycling assessment at university campus: a strategy toward sustainability. <i>Environment, Development and Sustainability</i> , 2021, 23, 2493-2502.	5.0	16
10	Enhancing energy harvest in a constructal solar collector by using alumina-water as nanofluid. <i>Solar Energy</i> , 2017, 147, 381-389.	6.1	15
11	Dilute sulfuric acid hydrolysis of tropical region biomass. <i>Journal of Renewable and Sustainable Energy</i> , 2012, 4, .	2.0	12
12	Comparative Study of System Performance of Two 2.4 kW Grid-connected PV Installations in Tepic-Nayarit and Temixco-morelos in MÃ©xico. <i>Energy Procedia</i> , 2014, 57, 161-167.	1.8	8
13	All-Chemically Deposited Solar Cells with Antimony Sulfide-Selenide/Lead Sulfide Thin Film Absorbers. <i>Materials Research Society Symposia Proceedings</i> , 2007, 1012, 1.	0.1	5
14	Effects of Na incorporation and plasma treatment on Bi ₂ S ₃ ultra-thin layers. <i>Thin Solid Films</i> , 2016, 604, 1-6.	1.8	2
15	Optical absorption and light-generated current density in chemically deposited antimony sulfide selenide thin films used for solar cell development. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 12026-12038.	2.2	2
16	Geometry Optimization of Top Metallic Contacts in a Solar Cell Using the Constructal Design Method. <i>Energies</i> , 2020, 13, 3349.	3.1	1
17	Characteristics of Chemically Deposited Thin Film Solar Cells using SnS and Sb ₂ S ₃ Absorbers. <i>Materials Research Society Symposia Proceedings</i> , 2006, 974, 1.	0.1	0
18	Thin films of AgIn ₅ (S/Se) ₈ prepared in a two stage process. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 1812-1818.	2.2	0

#	ARTICLE	IF	CITATIONS
19	Síntesis de compuestos ternarios de calcogenuros de plata antimonio por depósito químico para aplicación en celdas solares. Química Hoy Chemistry Sciences \$b, 2012, 2, 4.	0.1	0
20	Constructal design of top metallic contacts on a disc-shaped solar cell. Journal of Applied Research and Technology, 2021, 19, 492-507.	0.9	0