

# Aruna-Devi Rasu Chettiar

## List of Publications by Year in descending order

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Version: 2024-02-01

16  
papers

216  
citations

1040018

9  
h-index

1058452

14  
g-index

16  
all docs

16  
docs citations

16  
times ranked

210  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and Characterization of Cadmium Sulfide Nanoparticles by Chemical Precipitation Method. Journal of Nanoscience and Nanotechnology, 2015, 15, 8434-8439.	0.9	65
2	Hot injection synthesis of Cu(In, Ga)Se <sub>2</sub> nanocrystals with tunable bandgap. Optical Materials, 2018, 79, 450-456.	3.6	28
3	N-doped oxidized carbon dots for methanol sensing in alcoholic beverages. RSC Advances, 2020, 10, 22522-22532.	3.6	23
4	Structural and optical properties of CZTS nanoparticles prepared by a colloidal process. Rare Metals, 2021, 40, 2602-2609.	7.1	14
5	Cu <sub>2</sub> ZnSn(S,Se) <sub>4</sub> thin-films prepared from selenized nanocrystals ink. RSC Advances, 2019, 9, 18420-18428.	3.6	13
6	Solution based synthesis of Cu(In,Ga)Se <sub>2</sub> microcrystals and thin films. RSC Advances, 2019, 9, 35197-35208.	3.6	13
7	Synthesis of CuIn <sub>1-x</sub> Ga <sub>x</sub> Se <sub>2</sub> Nanoparticles by Thermal Decomposition Method with Tunable Ga Content. Journal of Nanoscience and Nanotechnology, 2015, 15, 8388-8394.	0.9	11
8	Exploring the performance of hybrid solar cells based on organic polymers/inorganic CdS nanostructures. Materials Letters, 2021, 282, 128856.	2.6	10
9	Probing the significance of RF magnetron sputtering conditions on the physical properties of CdS thin films for ultra-thin CdTe photovoltaic applications. Applied Surface Science, 2022, 574, 151640.	6.1	10
10	Time-dependent evolution pathway of CIGSe nanocrystals by low-temperature process. Advanced Powder Technology, 2019, 30, 2980-2988.	4.1	9
11	Telescoping synthesis and goldilocks of CZTS nanocrystals. Materials Research Bulletin, 2019, 111, 342-349.	5.2	8
12	Unveiling the impact of Cu content on the physical properties and photovoltaic performance of solution-processed Cu(In,Ga)Se <sub>2</sub> solar cell absorber. International Journal of Energy Research, 2021, 45, 6966-6984.	4.5	5
13	Bandgap modification of titanium dioxide doped with rare earth ions for luminescent processes. Journal of Applied Physics, 2020, 128, 175106.	2.5	4
14	Unraveling rapid one-pot synthesis of Cu(In,Ga)Se <sub>2</sub> microcrystal light absorber with tunable morphology and its influence on the solar cell performance. Materials Letters, 2022, 306, 130928.	2.6	3
15	Facile one pot synthesis of single phase kesterite Cu <sub>2</sub> ZnSnS <sub>4</sub> nanocrystals. , 2016, , .		0
16	Studying the impact of Mg doping on the physical properties of CdS nanocrystals for the fabrication of hybrid solar cells—based organic P3HT : PCBM polymers and inorganic Mg-doped CdS nanocrystals. International Journal of Energy Research, 0, , .	4.5	0