

Siva chidambaram

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/42372/publications.pdf>

Version: 2024-02-01

36
papers

728
citations

623734

14
h-index

552781

26
g-index

37
all docs

37
docs citations

37
times ranked

977
citing authors

#	ARTICLE	IF	CITATIONS
1	Inverse spinel NiFe ₂ O ₄ deposited g-C ₃ N ₄ nanosheet for enhanced visible light photocatalytic activity. <i>Materials Science in Semiconductor Processing</i> , 2019, 100, 87-97.	4.0	101
2	ZnO/Ag heterostructures embedded in Fe ₃ O ₄ nanoparticles for magnetically recoverable photocatalysis. <i>Journal of Alloys and Compounds</i> , 2016, 665, 404-410.	5.5	97
3	Green Synthesis and Electrical Properties of p-CuO/n-ZnO Heterojunction Diodes. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2019, 29, 535-540.	3.7	57
4	Impact of piezoelectric effect on the heterogeneous visible photocatalysis of g-C ₃ N ₄ /Ag/ZnO tricomponent. <i>Chemosphere</i> , 2022, 287, 132298.	8.2	52
5	Lattice doped Zn ²⁺ /SnO ₂ nanospheres: A systematic exploration of dopant ion effects on structural, optical, and enhanced gas sensing properties. <i>Applied Surface Science</i> , 2015, 357, 1511-1521.	6.1	47
6	Cytotoxic potentials of biologically fabricated platinum nanoparticles from <i>Streptomyces sp.</i> on MCF-7 breast cancer cells. <i>IET Nanobiotechnology</i> , 2017, 11, 241-246.	3.8	42
7	Co-Ni based hybrid transition metal oxide nanostructures for cost-effective bi-functional electrocatalytic oxygen and hydrogen evolution reactions. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 391-400.	7.1	33
8	Evidencing enhanced charge-transfer with superior photocatalytic degradation and photoelectrochemical water splitting in Mg modified few-layered SnS ₂ . <i>Journal of Colloid and Interface Science</i> , 2019, 540, 476-485.	9.4	24
9	L-Cysteine assisted formation of mesh like Ag ₂ S and Ag ₃ Au ₂ nanocrystals through hydrogen bonds. <i>Materials Letters</i> , 2014, 134, 56-59.	2.6	22
10	Three-dimensional (3D) flower-like nanoarchitectures of ZnO-Au on MWCNTs for visible light photocatalytic applications. <i>Applied Surface Science</i> , 2018, 449, 631-637.	6.1	22
11	Ultrasonic-assisted synthesis of ZnTe nanostructures and their structural, electrochemical and photoelectrical properties. <i>Ultrasonics Sonochemistry</i> , 2017, 39, 414-419.	8.2	20
12	Evidencing enhanced oxygen and hydrogen evolution reactions using In ²⁺ /Zn ²⁺ /Co ternary transition metal oxide nanostructures: A novel bifunctional electrocatalyst. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 23081-23090.	7.1	20
13	Optical and Electrical Characteristics of n-ZnSmO/p-Si Heterojunction Diodes. <i>Applied Surface Science</i> , 2017, 418, 312-317.	6.1	15
14	Investigations on structural, optical and electrochemical properties of blue luminescence SnO ₂ nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 255-261.	2.2	14
15	One pot polyol synthesis of CuO-CuFe ₂ O ₄ nanocomposites and their structural, optical and electrical property studies. <i>Materials Letters</i> , 2016, 175, 106-109.	2.6	12
16	Blue luminescence and Schottky diode applications of monoclinic HfO ₂ nanostructures. <i>RSC Advances</i> , 2016, 6, 57941-57947.	3.6	12
17	Recent Advances in SnO ₂ Based Photo Anode Materials for Third Generation Photovoltaics. <i>Materials Science Forum</i> , 0, 771, 25-38.	0.3	11
18	Investigations on structural, optical and magnetic properties of solution-combustion-synthesized nanocrystalline iron molybdate. <i>Bulletin of Materials Science</i> , 2017, 40, 87-92.	1.7	11

#	ARTICLE	IF	CITATIONS
19	Green synthesis and characterization of silver nanomaterials using leaf extract of <i>Prosopis cineraria</i> for antibacterial and anti-cancer applications. <i>Materials Research Express</i> , 2018, 5, 105402.	1.6	11
20	Photoswitching and photocatalytic functions of $\text{Sn}_x\text{Cu}_{1-x}\text{S}$ nanostructures. <i>Applied Surface Science</i> , 2019, 489, 943-951.	6.1	10
21	Breast Cancer Targeted Treatment Strategies: Promising Nanocarrier Approaches. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2020, 20, 1300-1310.	1.7	9
22	Colloidal synthesis and electrical behaviour of n-ZnGdO/p-Si heterojunction diodes. <i>Journal of Colloid and Interface Science</i> , 2015, 452, 169-173.	9.4	8
23	Self-functionalization of L-Cysteine on Ag nanoparticle decorated SiO_2 nanospheres. <i>Materials Letters</i> , 2017, 191, 165-168.	2.6	8
24	Optical and recyclable photocatalytic properties of silica supported ZnO/Au heterostructures under sun light. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 667-673.	2.2	8
25	Electrocatalytic oxygen evolution and photoswitching functions of tungsten-titanium binary oxide nanostructures. <i>Applied Surface Science</i> , 2019, 496, 143652.	6.1	8
26	Au integrated 2D ZnO heterostructures as robust visible light photocatalysts. <i>Chemosphere</i> , 2021, 280, 130594.	8.2	8
27	Optoelectronic characteristics of chemically processed ultra-thin $\text{In}_y\text{Zn}_{1-y}\text{O}$ nanostructures. <i>CrystEngComm</i> , 2016, 18, 3204-3210.	2.6	7
28	Ga doping improved electrical properties in p-Si/n-ZnO heterojunction diodes. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 5923-5928.	2.2	7
29	Colloidal synthesis of Gd^{3+} doped ZrO_2 based dielectrics and their structural and electrochemical property studies. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 5557-5562.	2.2	6
30	Bandgap engineering and plasmonically enhanced sun light photocatalysis in $\text{Au}/\text{Cd}_{1-x}\text{Zn}_x\text{S}$ nanocomposites. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 8385-8396.	2.2	6
31	Multifunctional Nanostructures: Synthesis and Applications. <i>Materials Science Forum</i> , 2014, 781, 1-16.	0.3	5
32	Magnetic and optical property studies on cubic $\text{Gd}_3\text{Fe}_5\text{Co}_{12}\text{O}_{20}$ nanogarnets for spintronics. <i>CrystEngComm</i> , 2018, 20, 2806-2811.	2.6	5
33	TiO_2/Si nanowires hybrid system for efficient photocatalytic degradation of organic dye. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 9194-9203.	2.2	5
34	One-dimensional semiconducting $\text{Hf}_x\text{Zn}_{1-x}\text{O}$ nanorods and their photoswitching characteristics. <i>Applied Surface Science</i> , 2019, 488, 22-29.	6.1	2
35	Solution combustion synthesis of iron tungstate nanoparticles for photoelectrochemical water splitting towards oxygen evolution. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 9134-9143.	2.2	2
36	One pot synthesis of Ag-Au/ZnO nanocomposites: a multi-junction component for sunlight photocatalysis. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2022, 44, 758-770.	2.3	1