Siva chidambaram

List of Publications by Year
in descending order

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	Bandgap engineering and plasmonically enhanced sun light photocatalyis in Au/Cd1â^'xZnxS nanocomposites. Journal of Materials Science: Materials in Electronics, 2022, 33, 8385-8396.	2.2	6
2	Impact of piezoelectric effect on the heterogeneous visible photocatalysis of g-C3N4/Ag/ZnO tricomponent. Chemosphere, 2022, 287, 132298.	8.2	52
3	Solution combustion synthesis of iron tungstate nanoparticles for photoelectrochemical water splitting towards oxygen evolution. Journal of Materials Science: Materials in Electronics, 2022, 33, 9134-9143.	2.2	2
4	TiO2/Si nanowires hybrid system for efficient photocatalytic degradation of organic dye. Journal of Materials Science: Materials in Electronics, 2022, 33, 9194-9203.	2.2	5
5	One pot synthesis of Ag-Au/ZnO nanocomposites: a multi-junction component for sunlight photocatalysis. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2022, 44, 758-770.	2.3	1
6	Au integrated 2D ZnO heterostructures as robust visible light photocatalysts. Chemosphere, 2021, 280, 130594.	8.2	8
7	Co-Ni based hybrid transition metal oxide nanostructures for cost-effective bi-functional electrocatalytic oxygen and hydrogen evolution reactions. International Journal of Hydrogen Energy, 2020, 45, 391-400.	7.1	33
8	Breast Cancer Targeted Treatment Strategies: Promising Nanocarrier Approaches. Anti-Cancer Agents in Medicinal Chemistry, 2020, 20, 1300-1310.	1.7	9
9	Evidencing enhanced oxygen and hydrogen evolution reactions using Inâ€"Znâ€"Co ternary transition metal oxide nanostructures: A novel bifunctional electrocatalyst. International Journal of Hydrogen Energy, 2019, 44, 23081-23090.	7.1	20
10	Electrocatalytic oxygen evolution and photoswitching functions of tungsten-titanium binary oxide nanostructures. Applied Surface Science, 2019, 496, 143652.	6.1	8
11	One-dimensional semiconducting HfxZn1â^'xO nanorods and their photoswitching characteristics. Applied Surface Science, 2019, 488, 22-29.	6.1	2
12	Photoswitching and photocatalytic functions of SnxCu1â^'xS nanostructures. Applied Surface Science, 2019, 489, 943-951.	6.1	10
13	Inverse spinel NiFe2O4 deposited g-C3N4 nanosheet for enhanced visible light photocatalytic activity. Materials Science in Semiconductor Processing, 2019, 100, 87-97.	4.0	101
14	Ga doping improved electrical properties in p-Si/n-ZnO heterojunction diodes. Journal of Materials Science: Materials in Electronics, 2019, 30, 5923-5928.	2.2	7
15	Evidencing enhanced charge-transfer with superior photocatalytic degradation and photoelectrochemical water splitting in Mg modified few-layered SnS2. Journal of Colloid and Interface Science, 2019, 540, 476-485.	9.4	24
16	Green Synthesis and Electrical Properties of p-CuO/n-ZnO Heterojunction Diodes. Journal of Inorganic and Organometallic Polymers and Materials, 2019, 29, 535-540.	3.7	57
17	Magnetic and optical property studies on cubic Gd₃Fe_{5â^'x}Co_xO₁₂ nanogarnets for spintronics. CrystEngComm, 2018, 20, 2806-2811.	2.6	5
18	Optical and recyclable photocatalytic properties of silica supported ZnO/Au heterostructures under sun light. Journal of Materials Science: Materials in Electronics, 2018, 29, 667-673.	2.2	8

#	Article	IF	Citations
19	Three-dimensional (3D) flower-like nanoarchitectures of ZnO-Au on MWCNTs for visible light photocatalytic applications. Applied Surface Science, 2018, 449, 631-637.	6.1	22
20	Green synthesis and characterization of silver nanomaterials using leaf extract of prosopis cineraria for antibacterial and anti-cancer applications. Materials Research Express, 2018, 5, 105402.	1.6	11
21	Investigations on structural, optical and magnetic properties of solution-combustion-synthesized nanocrystalline iron molybdate. Bulletin of Materials Science, 2017, 40, 87-92.	1.7	11
22	Optical and Electrical Characteristics of n-ZnSmO/p-Si Heterojunction Diodes. Applied Surface Science, 2017, 418, 312-317.	6.1	15
23	Self-functionalization of l-Cysteine on Ag nanoparticle decorated SiO2 nanospheres. Materials Letters, 2017, 191, 165-168.	2.6	8
24	Ultrasonic-assisted synthesis of ZnTe nanostructures and their structural, electrochemical and photoelectrical properties. Ultrasonics Sonochemistry, 2017, 39, 414-419.	8.2	20
25	Cytotoxic potentials of biologically fabricated platinum nanoparticles from Streptomyces sp. on MCFâ€7 breast cancer cells. IET Nanobiotechnology, 2017, 11, 241-246.	3.8	42
26	One pot polyol synthesis of CuO-CuFe 2 O 4 nanocomposites and their structural, optical and electrical property studies. Materials Letters, 2016, 175, 106-109.	2.6	12
27	Optoelectronic characteristics of chemically processed ultra-thin InyZn1â^'yO nanostructures. CrystEngComm, 2016, 18, 3204-3210.	2.6	7
28	Blue luminescence and Schottky diode applications of monoclinic HfO₂ nanostructures. RSC Advances, 2016, 6, 57941-57947.	3.6	12
29	ZnO/Ag heterostructures embedded in Fe3O4 nanoparticles for magnetically recoverable photocatalysis. Journal of Alloys and Compounds, 2016, 665, 404-410.	5.5	97
30	Colloidal synthesis of Gd3+ doped ZrO2 based dielectrics and their structural and electrochemical property studies. Journal of Materials Science: Materials in Electronics, 2016, 27, 5557-5562.	2.2	6
31	Colloidal synthesis and electrical behaviour of n-ZnGdO/p-Si heterojunction diodes. Journal of Colloid and Interface Science, 2015, 452, 169-173.	9.4	8
32	Lattice doped Znâ€“SnO2 nanospheres: A systematic exploration of dopant ion effects on structural, optical, and enhanced gas sensing properties. Applied Surface Science, 2015, 357, 1511-1521.	6.1	47
33	Investigations on structural, optical and electrochemical properties of blue luminescence SnO2 nanoparticles. Journal of Materials Science: Materials in Electronics, 2014, 25, 255-261.	2.2	14
34	Multifunctional Nanostructures: Synthesis and Applications. Materials Science Forum, 2014, 781, 1-16.	0.3	5
35	L-Cysteine assisted formation of mesh like Ag 2 S and Ag 3 AuS 2 nanocrystals through hydrogen bonds. Materials Letters, 2014, 134, 56-59.	2.6	22
36	Recent Advances in SnO₂ Based Photo Anode Materials for Third Generation Photovoltaics. Materials Science Forum, 0, 771, 25-38.	0.3	11