N Senthilkumar

List of Publications by Year
in descending order

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25 papers	797 citations	623574 14 h-index	580701 25 g-index
25 all docs	25 docs citations	25 times ranked	763 citing authors

#	Article	IF	Citations
1	An efficient, provably-secure DAG based consensus mechanism for industrial internet of things. International Journal on Interactive Design and Manufacturing, 2023, 17, 2197-2207.	1.3	2
2	Green and sustainable preparation of flower-like ZnO nanostructures via soft bio-template approach for the enhancement of biomedical applications. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	1.1	14
3	Investigation on structural, optical and electrochemical behavior of NiO/ZnMn2O4 ternary nanocomposites via two-step synthesis approach for supercapacitor application. Chemical Papers, 2021, 75, 641-651.	1.0	10
4	Green Synthesis of ZnMn2O4 Nanoparticles for Supercapacitor Applications. Journal of Superconductivity and Novel Magnetism, 2021, 34, 817-823.	0.8	14
5	A novel green-mediated approach of 3-D hierarchical-like ZnO@Ag, ZnO@Au and ZnO@Ag@Au NCs prepared via Opuntia ficus indica fruits extract for enhancement of biological activities. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	11
6	Two step synthesis and electrochemical behavior of SnO2 nanomaterials for electrical energy storage devices. Inorganic Chemistry Communication, 2021, 131, 108803.	1.8	16
7	A study on the electrical, magnetic and optical limiting behaviour of Pure and Cd-Fe co-doped CuO NPs. Journal of Alloys and Compounds, 2021, 878, 160332.	2.8	41
8	Structural and optical behavior of SnS2/NiFe2O4 NCs prepared via novel two-step synthesis approach for MB and RhB dye degradation under sun light irradiation. Research on Chemical Intermediates, 2021, 47, 1941-1954.	1.3	10
9	A Facile Green Approach of Cone-like ZnO NSs Synthesized Via Jatropha gossypifolia Leaves Extract for Photocatalytic and Biological Activity. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 4441-4451.	1.9	29
10	One step hydrothermal green approach of CuO/Ag nanocomposites: analysis of structural, biological activities. Materials Research Express, 2019, 6, 095036.	0.8	14
11	A comparative analysis on the dye degradation efficiency of pure, Co, Ni and Mn-doped CuO nanoparticles. Journal of Materials Science: Materials in Electronics, 2019, 30, 19043-19059.	1.1	32
12	Green synthesis of silver nanoparticles using Piper longum catkin extract irradiated by sunlight: antibacterial and catalytic activity. Research on Chemical Intermediates, 2019, 45, 3617-3631.	1.3	61
13	Studies on structural, optical and thermal properties of Fe3O4 (NR)/ZrO2 CSNCs synthesized via green approach for photodegradation of dyes. Research on Chemical Intermediates, 2019, 45, 2657-2671.	1.3	12
14	Studies on structural and optical properties of pure and transition metals (Ni, Fe and co-doped Niâ€“Fe) doped tin oxide (SnO2) nanoparticles for anti-microbial activity. Research on Chemical Intermediates, 2019, 45, 1929-1941.	1.3	19
15	Studies on electrochemical properties of hetarolite (ZnMn2O4) nanostructure for supercapacitor application. Physica E: Low-Dimensional Systems and Nanostructures, 2019, 106, 121-126.	1.3	40
16	Sb doped ZnO nanostructures prepared via co-precipitation approach for the enhancement of MB dye degradation. Materials Research Express, 2018, 5, 025040.	0.8	20
17	Two step synthesis of ZnO/Ag and ZnO/Au core/shell nanocomposites: Structural, optical and electrical property analysis. Journal of Alloys and Compounds, 2018, 750, 171-181.	2.8	65
18	Studies on optical and electrical properties of green synthesized TiO₂@Ag core-shell nanocomposite material. Materials Research Express, 2018, 5, 045020.	0.8	13

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19	Hydrothermal synthesis and characterization of ruthenium oxide nanosheets using polymer additive for supercapacitor applications. Journal of Materials Science: Materials in Electronics, 2018, 29, 323-330.	1.1	29
20	Synthesis of ZnO nanorods by one step microwave-assisted hydrothermal route for electronic device applications. Journal of Materials Science: Materials in Electronics, 2018, 29, 2927-2938.	1.1	33
21	Characterization, antibacterial, anti-arthritic and in-vitro cytotoxic potentials of biosynthesized Magnesium Oxide nanomaterial. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2018, 231, 121-127.	1.7	27
22	Coriandrum sativummediated synthesis of silver nanoparticles and evaluation of their biological characteristics. Materials Research Express, 2018, 5, 055032.	0.8	15
23	Green mediated synthesis of plasmonic nanoparticle (Ag) for antireflection coating in bare mono silicon solar cell. Journal of Materials Science: Materials in Electronics, 2018, 29, 12744-12753.	1.1	22
24	Synthesis of ZnO nanoparticles using leaf extract of Tectona grandis (L.) and their anti-bacterial, anti-arthritic, anti-oxidant and in vitro cytotoxicity activities. New Journal of Chemistry, 2017, 41, 10347-10356.	1.4	169
25	Synthesis and characterization of Zinc Oxide nanoparticles using marine Streptomyces sp. with its investigations on anticancer and antibacterial activity. Research on Chemical Intermediates, 2017, 43, 2367-2376.	1.3	79