

N Senthilkumar

List of Publications by Year in descending order

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Version: 2024-02-01

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	Synthesis of ZnO nanoparticles using leaf extract of <i>Tectona grandis</i> (L.) and their anti-bacterial, anti-arthritic, anti-oxidant and in vitro cytotoxicity activities. <i>New Journal of Chemistry</i> , 2017, 41, 10347-10356.	1.4	169
2	Synthesis and characterization of Zinc Oxide nanoparticles using marine <i>Streptomyces</i> sp. with its investigations on anticancer and antibacterial activity. <i>Research on Chemical Intermediates</i> , 2017, 43, 2367-2376.	1.3	79
3	Two step synthesis of ZnO/Ag and ZnO/Au core/shell nanocomposites: Structural, optical and electrical property analysis. <i>Journal of Alloys and Compounds</i> , 2018, 750, 171-181.	2.8	65
4	Green synthesis of silver nanoparticles using <i>Piper longum</i> catkin extract irradiated by sunlight: antibacterial and catalytic activity. <i>Research on Chemical Intermediates</i> , 2019, 45, 3617-3631.	1.3	61
5	A study on the electrical, magnetic and optical limiting behaviour of Pure and Cd-Fe co-doped CuO NPs. <i>Journal of Alloys and Compounds</i> , 2021, 878, 160332.	2.8	41
6	Studies on electrochemical properties of heterolite ($ZnMn_2O_4$) nanostructure for supercapacitor application. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2019, 106, 121-126.	1.3	40
7	Synthesis of ZnO nanorods by one step microwave-assisted hydrothermal route for electronic device applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 2927-2938.	1.1	33
8	A comparative analysis on the dye degradation efficiency of pure, Co, Ni and Mn-doped CuO nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 19043-19059.	1.1	32
9	Hydrothermal synthesis and characterization of ruthenium oxide nanosheets using polymer additive for supercapacitor applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 323-330.	1.1	29
10	A Facile Green Approach of Cone-like ZnO NSs Synthesized Via <i>Jatropha gossypifolia</i> Leaves Extract for Photocatalytic and Biological Activity. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 4441-4451.	1.9	29
11	Characterization, antibacterial, anti-arthritic and in-vitro cytotoxic potentials of biosynthesized Magnesium Oxide nanomaterial. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2018, 231, 121-127.	1.7	27
12	Green mediated synthesis of plasmonic nanoparticle (Ag) for antireflection coating in bare mono silicon solar cell. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 12744-12753.	1.1	22
13	Sb doped ZnO nanostructures prepared via co-precipitation approach for the enhancement of MB dye degradation. <i>Materials Research Express</i> , 2018, 5, 025040.	0.8	20
14	Studies on structural and optical properties of pure and transition metals (Ni, Fe and co-doped Ni-Fe) doped tin oxide (SnO_2) nanoparticles for anti-microbial activity. <i>Research on Chemical Intermediates</i> , 2019, 45, 1929-1941.	1.3	19
15	Two step synthesis and electrochemical behavior of SnO_2 nanomaterials for electrical energy storage devices. <i>Inorganic Chemistry Communication</i> , 2021, 131, 108803.	1.8	16
16	<i>Coriandrum sativum</i> mediated synthesis of silver nanoparticles and evaluation of their biological characteristics. <i>Materials Research Express</i> , 2018, 5, 055032.	0.8	15
17	One step hydrothermal green approach of CuO/Ag nanocomposites: analysis of structural, biological activities. <i>Materials Research Express</i> , 2019, 6, 095036.	0.8	14
18	Green Synthesis of $ZnMn_2O_4$ Nanoparticles for Supercapacitor Applications. <i>Journal of Superconductivity and Novel Magnetism</i> , 2021, 34, 817-823.	0.8	14

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19	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
20	Studies on optical and electrical properties of green synthesized TiO ₂ @Ag core-shell nanocomposite material. Materials Research Express, 2018, 5, 045020.	0.8	13
21	Studies on structural, optical and thermal properties of Fe ₃ O ₄ (NR)/ZrO ₂ CSNCs synthesized via green approach for photodegradation of dyes. Research on Chemical Intermediates, 2019, 45, 2657-2671.	1.3	12
22	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
23	Investigation on structural, optical and electrochemical behavior of NiO/ZnMn ₂ O ₄ ternary nanocomposites via two-step synthesis approach for supercapacitor application. Chemical Papers, 2021, 75, 641-651.	1.0	10
24	Structural and optical behavior of SnS ₂ /NiFe ₂ O ₄ 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
25	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