

Gurumallesh Prabu Halliah

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

1,785
citations

279701

23
h-index

265120

42
g-index

54
all docs

54
docs citations

54
times ranked

2495
citing authors

#	ARTICLE	IF	CITATIONS
1	In silico Screening of Natural Phytochemicals Towards Identification of Potential Lead Compounds to Treat COVID-19. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 637122.	1.6	19
2	Micro- nanoarchitectures of electrodeposited Ni-ITO nanocomposites on copper foil as electrocatalysts for the oxygen evolution reaction. <i>New Journal of Chemistry</i> , 2021, 45, 5146-5153.	1.4	2
3	Phyto-Engineered Gold Nanoparticles (AuNPs) with Potential Antibacterial, Antioxidant, and Wound Healing Activities Under in vitro and in vivo Conditions. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 7553-7568.	3.3	84
4	Eco-friendly dyeing of textile fabric by natural colorants. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	2
5	Palladium Decorated reduced graphene oxide/zinc oxide nanocomposite for enhanced antimicrobial, antioxidant and cytotoxicity activities. <i>Process Biochemistry</i> , 2020, 93, 36-47.	1.8	30
6	Green biosynthesis of gold nanoparticles using <i>Croton sparsiflorus</i> leaves extract and evaluation of UV protection, antibacterial and anticancer applications. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5574.	1.7	42
7	Biological synergy of greener gold nanoparticles by using <i>Coleus aromaticus</i> leaf extract. <i>Materials Science and Engineering C</i> , 2019, 99, 202-210.	3.8	80
8	Evaluation of Antibacterial and Anticancer Potential of Polyaniline-Bimetal Nanocomposites Synthesized from Chemical Reduction Method. <i>Journal of Cluster Science</i> , 2019, 30, 715-726.	1.7	66
9	Polyfunctional Application on Modified Cotton Fabric. <i>The National Academy of Sciences, India</i> , 2019, 42, 475-478.	0.8	5
10	Green synthesis of anisotropic silver nanoparticles from the aqueous leaf extract of <i>Dodonaea viscosa</i> with their antibacterial and anticancer activities. <i>Process Biochemistry</i> , 2019, 80, 80-88.	1.8	129
11	Synthesis of gold nanoparticles using herbal <i>Acorus calamus</i> rhizome extract and coating on cotton fabric for antibacterial and UV blocking applications. <i>Arabian Journal of Chemistry</i> , 2019, 12, 2166-2174.	2.3	84
12	Synergetic Performance of Graphene Oxide and Chitosan on the Removal of Direct Red 7. <i>Oriental Journal of Chemistry</i> , 2019, 35, 1789-1798.	0.1	4
13	ELECTROCHEMICAL DYEING OF POLYESTER FABRIC USING DISPERSE DYES. <i>Rasayan Journal of Chemistry</i> , 2019, 12, 319-323.	0.2	1
14	<i>Dodonaea viscosa</i> Leaf Extract Assisted Synthesis of Gold Nanoparticles: Characterization and Cytotoxicity Against A549 NSCLC Cancer Cells. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018, 28, 932-941.	1.9	12
15	Improved conductivity and antibacterial activity of poly(2-aminothiophenol)-silver nanocomposite against human pathogens. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 178, 323-329.	1.7	22
16	Synthesis Characterization, Antimicrobial, Antioxidant, and Cytotoxic Activities of ZnO Nanorods on Reduced Graphene Oxide. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018, 28, 679-693.	1.9	42
17	Eco-Friendly Dyeing of Silk and Cotton Textiles Using Combination of Three Natural Colorants. <i>Journal of Natural Fibers</i> , 2017, 14, 40-49.	1.7	34
18	Low Cost of Chitosan Composite Carbon Paste Modified Electrode Using Glucose Biosensor. <i>Journal of Bionanoscience</i> , 2017, 11, 211-216.	0.4	1

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19	Production of naphthoquinones and phenolics by a novel isolate <i>Fusarium solani</i> PSC-R of Palk Bay and their industrial applications. <i>Bioresource Technology</i> , 2016, 213, 289-298.	4.8	7
20	Photocatalytic activity of TiO ₂ films prepared by sol-gel and electrodeposition on the decolourization of monoazo dyes. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 73, 118-126.	1.1	5
21	Study on flame-retardant and UV-protection properties of cotton fabric functionalized with ppy-ZnO-CNT nanocomposite. <i>RSC Advances</i> , 2015, 5, 49062-49069.	1.7	61
22	Antibacterial Activity of Cotton Coated With ZnO and ZnO-CNT Composites. <i>Applied Biochemistry and Biotechnology</i> , 2015, 175, 85-92.	1.4	31
23	Synthesis, characterization and antibacterial activity of polyaniline/Pt-Pd nanocomposite. <i>European Journal of Medicinal Chemistry</i> , 2014, 72, 18-25.	2.6	68
24	Study on antibacterial activity of chemically synthesized PANI-Ag-Au nanocomposite. <i>Applied Surface Science</i> , 2014, 300, 66-72.	3.1	51
25	Synthesis, characterization of CH ₃ -Fe ₂ O ₃ nanocomposite and coating on cotton, silk for antibacterial and UV spectral studies. <i>Journal of Industrial Textiles</i> , 2014, 44, 275-287.	1.1	14
26	Polyaniline-TiO ₂ hybrid-coated cotton fabric for durable electrical conductivity. <i>Journal of Applied Polymer Science</i> , 2013, 127, 3147-3151.	1.3	22
27	Magnetite Nanoparticles-Chitosan Composite Containing Carbon Paste Electrode for Glucose Biosensor Application. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 98-104.	0.9	18
28	Flexible electromagnetic interference shields in S band region from textile materials. <i>Journal of Industrial Textiles</i> , 2013, 43, 215-230.	1.1	15
29	Synthesis of Low-Cost Iron Oxide: Chitosan Nanocomposite for Antibacterial Activity. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2013, 62, 45-49.	1.8	32
30	Synthesis and characterization of polyaniline/Ag-Pt nanocomposite for improved antibacterial activity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 103, 9-14.	2.5	104
31	Synthesis, characterization and antibacterial analysis of polyaniline/Au-Pd nanocomposite. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 429, 51-59.	2.3	75
32	Low-Cost and Energy Efficient Synthesis of Anatase Grade TiO ₂ by Simple Stirring Technique. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2013, 8, 250-255.	0.1	0
33	Size and Shape Controlled Greener Synthesis of AgNPs Using <i>Cissus quadrangularis</i> Twig at Room Temperature. <i>Journal of Bionanoscience</i> , 2012, 6, 65-68.	0.4	0
34	Studies on the utilization of stripping voltammetry technique in the detection of high-energy materials. <i>Combustion, Explosion and Shock Waves</i> , 2011, 47, 87-95.	0.3	14
35	One-pot synthesis of PANI-TiO ₂ (anatase) hybrid of low electrical resistance using TiCl ₄ as precursor. <i>Materials Chemistry and Physics</i> , 2011, 130, 275-279.	2.0	23
36	Synthesis of AgNPs using the extract of <i>Calotropis procera</i> flower at room temperature. <i>Materials Letters</i> , 2011, 65, 1675-1677.	1.3	115

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37	Evaluation of synthesized antiscalants for cooling water system application. <i>Desalination</i> , 2011, 268, 38-45.	4.0	85
38	Eco-Friendly Dyeing of Cotton with Indigo Dye By Electrochemical Method. , 2011, , .		3
39	Influence of surfactants on the electrochromic behavior of poly (3,4-ethylenedioxythiophene). <i>Journal of Applied Polymer Science</i> , 2007, 104, 3285-3291.	1.3	22
40	Voltammetric determination of nitroaromatic and nitramine explosives contamination in soil. <i>Talanta</i> , 2006, 69, 656-662.	2.9	82
41	Electrochemical synthesis and characterization of novel electrochromic poly (3,4-ethylenedioxythiophene-co-Diclofenac) with surfactants. <i>Electrochimica Acta</i> , 2006, 51, 2964-2970.	2.6	21
42	Copolymerization of aniline and 4,4- O^2 -diaminodiphenyl sulphone and characterization of formed nano size copolymer. <i>Electrochimica Acta</i> , 2006, 52, 831-838.	2.6	22
43	Investigation on the Usage of Clay Modified Electrode for the Electrochemical Determination of Some Pollutants. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2004, 39, 89-100.	0.7	17
44	Synthesis, characterization and thermal studies on furazan- and tetrazine-based high energy materials. <i>Journal of Hazardous Materials</i> , 2004, 113, 11-25.	6.5	110
45	Determination of direct orange 8 in effluent using a polypyrrole modified electrode. <i>International Journal of Environmental Analytical Chemistry</i> , 2004, 84, 389-397.	1.8	9
46	Electroanalysis of Endosulfan and o -Chlorophenol in Polypyrrole Coated Glassy Carbon Electrode. <i>International Journal of Environmental Analytical Chemistry</i> , 2002, 82, 331-340.	1.8	16
47	Electrochemical Determination of Some Organic Pollutants Using Wall-Jet Electrode. <i>Electroanalysis</i> , 2002, 14, 1722-1727.	1.5	29
48	Effect of the bio-salt trisodium citrate in the dyeing of cotton. <i>Coloration Technology</i> , 2002, 118, 131-134.	0.7	38
49	Determination of orthochlorophenol by stripping voltammetry. <i>Electroanalysis</i> , 1995, 7, 594-597.	1.5	8
50	Determination of endosulfan by stripping voltammetry. <i>Analyst, The</i> , 1994, 119, 1867.	1.7	9
51	Chitosan: Metal and Metal-Oxide Composites. , 0, , 1758-1767.		0