Doddavenkatanna Suresh

List of Publications by Year
in descending order

41 papers	3,059 citations	279798 23 h-index	315739 38 g-index
41 all docs	41 docs citations	41 times ranked	3233 citing authors

#	Article	IF	Citations
1	Senna mediated facile green synthesis of nano ceria and its photo-catalytic and biological application. Materials Today: Proceedings, 2022, 49, 882-890.	1.8	5
2	TiO2 and Ag-TiO2 nanomaterials for enhanced photocatalytic and antioxidant activity: Green synthesis using Cucumis melo juice. Materials Today: Proceedings, 2022, 49, 841-848.	1.8	7
3	Ag and BiVO4 decorated reduced graphene oxide: A potential nano hybrid material for photocatalytic, sensing and biomedical applications. Inorganic Chemistry Communication, 2022, 139, 109327.	3.9	21
4	Proficient synthesis of zinc oxide nanoparticles from Tabernaemontana heyneana Wall. via green combustion method: Antioxidant, anti-inflammatory, antidiabetic, anticancer and photocatalytic activities. Results in Chemistry, 2021, 3, 100178.	2.0	16
5	Centella asiatica mediated facile green synthesis of nano zinc oxide and its photo-catalytic and biological properties. Inorganic Chemistry Communication, 2021, 133, 108865.	3.9	9
6	Silver-doped ZnO embedded reduced graphene oxide hybrid nanostructured composites for superior photocatalytic hydrogen generation, dye degradation, nitrite sensing and antioxidant activities. Inorganic Chemistry Communication, 2021, 134, 109051.	3.9	26
7	Green synthesis of zinc oxide nanoparticles from the leaf, stem and in vitro grown callus of Mussaenda frondosa L.: characterization and their applications. Applied Nanoscience (Switzerland), 2020, 10, 3057-3074.	3.1	167
8	Vitis labruska skin extract assisted green synthesis of ZnO super structures for multifunctional applications. Ceramics International, 2017, 43, 11656-11667.	4.8	72
9	One pot green synthesis of MnCO‹sub›3‹/sub›â€“rGO composite hybrid superstructure: application to lithium ion battery and biosensor. New Journal of Chemistry, 2017, 41, 12854-12865.	2.8	33
10	Hydrothermal Synthesis of TiO 2 -rGO By Green Chemical Method. Materials Today: Proceedings, 2017, 4, 11888-11893.	1.8	7
11	Aloe vera mediated hydrothermal synthesis of reduced graphene oxide decorated ZnO nanocomposite: Luminescence and antioxidant properties. European Physical Journal Plus, 2016, 131, 1.	2.6	1
12	Electrochemical Sensing, Photocatalytic and Biological Activities of ZnO Nanoparticles: Synthesis via Green Chemistry Route. International Journal of Nanoscience, 2016, 15, 1650013.	0.7	22
13	Green, Nonchemical Route for the Synthesis of ZnO Superstructures, Evaluation of Its Applications toward Photocatalysis, Photoluminescence, and Biosensing. Crystal Growth and Design, 2016, 16, 6828-6840.	3.0	93
14	Chromatographic analysis of the effects of fatty acids and glycation on binding by probes for Sudlow sites I and II to human serum albumin. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1021, 175-181.	2.3	13
15	Biogenic synthesis of zinc oxide nanoparticles using Ruta graveolens (L.) and their antibacterial and antioxidant activities. Applied Nanoscience (Switzerland), 2016, 6, 703-710.	3.1	143
16	Facile green fabrication of nanostructure ZnO plates, bullets, flower, prismatic tip, closed pine cone: Their antibacterial, antioxidant, photoluminescent and photocatalytic properties. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 152, 404-416.	3.9	182
17	High-Performance Affinity Chromatography. Advances in Protein Chemistry and Structural Biology, 2016, 102, 1-39.	2.3	22
18	Combustion synthesis of MgO nanoparticles using plant extract: Structural characterization and photoluminescence studies. AIP Conference Proceedings, 2015, , .	0.4	19

#	Article	IF	Citations
19	Chromatographic immunoassays: strategies and recent developments in the analysis of drugs and biological agents. Bioanalysis, 2015, 7, 2947-2966.	1.5	22
20	Spinach assisted green reduction of graphene oxide and its antioxidant and dye absorption properties. Ceramics International, 2015, 41, 4810-4813.	4.8	75
21	Green synthesis of multifunctional zinc oxide (ZnO) nanoparticles using Cassia fistula plant extract and their photodegradative, antioxidant and antibacterial activities. Materials Science in Semiconductor Processing, 2015, 31, 446-454.	4.0	419
22	Tinospora cordifolia mediated facile green synthesis of cupric oxide nanoparticles and their photocatalytic, antioxidant and antibacterial properties. Materials Science in Semiconductor Processing, 2015, 33, 81-88.	4.0	162
23	Artocarpus gomezianus aided green synthesis of ZnO nanoparticles: Luminescence, photocatalytic and antioxidant properties. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 141, 128-134.	3.9	197
24	Chironji mediated facile green synthesis of ZnO nanoparticles and their photoluminescence, photodegradative, antimicrobial and antioxidant activities. Materials Science in Semiconductor Processing, 2015, 40, 759-765.	4.0	55
25	Beta vulgaris aided green synthesis of ZnO nanoparticles and their luminescence, photocatalytic and antioxidant properties. European Physical Journal Plus, 2015, 130, 1.	2.6	42
26	Cinnamon supported facile green reduction of graphene oxide, its dye elimination and antioxidant activities. Materials Letters, 2015, 151, 93-95.	2.6	67
27	Garcinia xanthochymus mediated green synthesis of ZnO nanoparticles: Photoluminescence, photocatalytic and antioxidant activity studies. Ceramics International, 2015, 41, 8680-8687.	4.8	108
28	Rauvolfia serpentina-Mediated Green Synthesis of CuO Nanoparticles and Its Multidisciplinary Studies. Acta Metallurgica Sinica (English Letters), 2015, 28, 1134-1140.	2.9	33
29	Clove extract mediated facile green reduction of graphene oxide, its dye elimination and antioxidant properties. Materials Letters, 2015, 142, 4-6.	2.6	59
30	EGCG assisted green synthesis of ZnO nanopowders: Photodegradative, antimicrobial and antioxidant activities. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 136, 1467-1474.	3.9	75
31	Phase transformation of ZrO2:Tb3+ nanophosphor: Color tunable photoluminescence and photocatalytic activities. Journal of Alloys and Compounds, 2015, 622, 86-96.	5.5	87
32	Green synthesis of CuO nanoparticles usingGloriosa superbaL. extract and their antibacterial activity. Journal of Taibah University for Science, 2015, 9, 7-12.	2.5	381
33	Molecular docking and dynamic studies of bioactive compounds from Naravelia zeylanica (L.) DC against glycogen synthase kinase-3Î² protein. Journal of Taibah University for Science, 2015, 9, 41-49.	2.5	17
34	In vitro antioxidant activity studies of Artocarpus gomezianus. Asian Journal of Bio Science, 2014, 9, 273-283.	0.1	0
35	In vitro anticancer and hepatoprotective activity studies of Garcinia xanthochymus. Asian Science, 2014, 9, 56-62.	0.1	0
36	In vitro antiproliferative and hepatoprotective activity studies of Momordica cymbalaria. Asian Science, 2014, 9, 41-46.	0.1	0

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37	Tissue distribution & elimination of capsaicin, piperine & curcumin following oral intake in rats. Indian Journal of Medical Research, 2010, 131, 682-91.	1.0	84
38	Degradation of bioactive spice compound: curcumin during domestic cooking. European Food Research and Technology, 2009, 228, 807-812.	3.3	52
39	Studies on the in vitro absorption of spice principles â€“ Curcumin, capsaicin and piperine in rat intestines. Food and Chemical Toxicology, 2007, 45, 1437-1442.	3.6	115
40	Effect of heat processing of spices on the concentrations of their bioactive principles: Turmeric (Curcuma longa), red pepper (Capsicum annuum) and black pepper (Piper nigrum). Journal of Food Composition and Analysis, 2007, 20, 346-351.	3.9	125
41	Influence of curcumin, capsaicin, and piperine on the rat liver drug-metabolizing enzyme system in vivo and in vitro. Canadian Journal of Physiology and Pharmacology, 2006, 84, 1259-1265.	1.4	26