

# Doddavenkatanna Suresh

## List of Publications by Year in descending order

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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	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
2	Green synthesis of CuO nanoparticles using <i>Gloriosa superba</i> L. extract and their antibacterial activity. Journal of Taibah University for Science, 2015, 9, 7-12.	2.5	381
3	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
4	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
5	Green synthesis of zinc oxide nanoparticles from the leaf, stem and in vitro grown callus of <i>Mussaenda frondosa</i> L.: characterization and their applications. Applied Nanoscience (Switzerland), 2020, 10, 3057-3074.	3.1	167
6	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
7	Biogenic synthesis of zinc oxide nanoparticles using <i>Ruta graveolens</i> (L.) and their antibacterial and antioxidant activities. Applied Nanoscience (Switzerland), 2016, 6, 703-710.	3.1	143
8	Effect of heat processing of spices on the concentrations of their bioactive principles: Turmeric ( <i>Curcuma longa</i> ), red pepper ( <i>Capsicum annum</i> ) and black pepper ( <i>Piper nigrum</i> ). Journal of Food Composition and Analysis, 2007, 20, 346-351.	3.9	125
9	Studies on the in vitro absorption of spice principles $\alpha$ -Curcumin, capsaicin and piperine in rat intestines. Food and Chemical Toxicology, 2007, 45, 1437-1442.	3.6	115
10	Garcinia xanthochymus mediated green synthesis of ZnO nanoparticles: Photoluminescence, photocatalytic and antioxidant activity studies. Ceramics International, 2015, 41, 8680-8687.	4.8	108
11	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
12	Phase transformation of ZrO <sub>2</sub> :Tb <sup>3+</sup> nanophosphor: Color tunable photoluminescence and photocatalytic activities. Journal of Alloys and Compounds, 2015, 622, 86-96.	5.5	87
13	Tissue distribution & elimination of capsaicin, piperine & curcumin following oral intake in rats. Indian Journal of Medical Research, 2010, 131, 682-91.	1.0	84
14	Spinach assisted green reduction of graphene oxide and its antioxidant and dye absorption properties. Ceramics International, 2015, 41, 4810-4813.	4.8	75
15	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
16	Vitis labruska skin extract assisted green synthesis of ZnO super structures for multifunctional applications. Ceramics International, 2017, 43, 11656-11667.	4.8	72
17	Cinnamon supported facile green reduction of graphene oxide, its dye elimination and antioxidant activities. Materials Letters, 2015, 151, 93-95.	2.6	67
18	Clove extract mediated facile green reduction of graphene oxide, its dye elimination and antioxidant properties. Materials Letters, 2015, 142, 4-6.	2.6	59

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19	Chironji mediated facile green synthesis of ZnO nanoparticles and their photoluminescence, photodegradative, antimicrobial and antioxidant activities. <i>Materials Science in Semiconductor Processing</i> , 2015, 40, 759-765.	4.0	55
20	Degradation of bioactive spice compound: curcumin during domestic cooking. <i>European Food Research and Technology</i> , 2009, 228, 807-812.	3.3	52
21	Beta vulgaris aided green synthesis of ZnO nanoparticles and their luminescence, photocatalytic and antioxidant properties. <i>European Physical Journal Plus</i> , 2015, 130, 1.	2.6	42
22	Rauvolfia serpentina-Mediated Green Synthesis of CuO Nanoparticles and Its Multidisciplinary Studies. <i>Acta Metallurgica Sinica (English Letters)</i> , 2015, 28, 1134-1140.	2.9	33
23	One pot green synthesis of MnCO <sub>3</sub> /rGO composite hybrid superstructure: application to lithium ion battery and biosensor. <i>New Journal of Chemistry</i> , 2017, 41, 12854-12865.	2.8	33
24	Influence of curcumin, capsaicin, and piperine on the rat liver drug-metabolizing enzyme system in vivo and in vitro. <i>Canadian Journal of Physiology and Pharmacology</i> , 2006, 84, 1259-1265.	1.4	26
25	Silver-doped ZnO embedded reduced graphene oxide hybrid nanostructured composites for superior photocatalytic hydrogen generation, dye degradation, nitrite sensing and antioxidant activities. <i>Inorganic Chemistry Communication</i> , 2021, 134, 109051.	3.9	26
26	Chromatographic immunoassays: strategies and recent developments in the analysis of drugs and biological agents. <i>Bioanalysis</i> , 2015, 7, 2947-2966.	1.5	22
27	Electrochemical Sensing, Photocatalytic and Biological Activities of ZnO Nanoparticles: Synthesis via Green Chemistry Route. <i>International Journal of Nanoscience</i> , 2016, 15, 1650013.	0.7	22
28	High-Performance Affinity Chromatography. <i>Advances in Protein Chemistry and Structural Biology</i> , 2016, 102, 1-39.	2.3	22
29	Ag and BiVO <sub>4</sub> decorated reduced graphene oxide: A potential nano hybrid material for photocatalytic, sensing and biomedical applications. <i>Inorganic Chemistry Communication</i> , 2022, 139, 109327.	3.9	21
30	Combustion synthesis of MgO nanoparticles using plant extract: Structural characterization and photoluminescence studies. <i>AIP Conference Proceedings</i> , 2015, , .	0.4	19
31	Molecular docking and dynamic studies of bioactive compounds from <i>Naravelia zeylanica</i> (L.) DC against glycogen synthase kinase-3 $\beta$ protein. <i>Journal of Taibah University for Science</i> , 2015, 9, 41-49.	2.5	17
32	Proficient synthesis of zinc oxide nanoparticles from <i>Tabernaemontana heyneana</i> Wall. via green combustion method: Antioxidant, anti-inflammatory, antidiabetic, anticancer and photocatalytic activities. <i>Results in Chemistry</i> , 2021, 3, 100178.	2.0	16
33	Chromatographic analysis of the effects of fatty acids and glycation on binding by probes for Sudlow sites I and II to human serum albumin. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1021, 175-181.	2.3	13
34	Centella asiatica mediated facile green synthesis of nano zinc oxide and its photo-catalytic and biological properties. <i>Inorganic Chemistry Communication</i> , 2021, 133, 108865.	3.9	9
35	Hydrothermal Synthesis of TiO <sub>2</sub> /rGO By Green Chemical Method. <i>Materials Today: Proceedings</i> , 2017, 4, 11888-11893.	1.8	7
36	TiO <sub>2</sub> and Ag-TiO <sub>2</sub> nanomaterials for enhanced photocatalytic and antioxidant activity: Green synthesis using Cucumis melo juice. <i>Materials Today: Proceedings</i> , 2022, 49, 841-848.	1.8	7

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37	Senna mediated facile green synthesis of nano ceria and its photo-catalytic and biological application. <i>Materials Today: Proceedings</i> , 2022, 49, 882-890.	1.8	5
38	Aloe vera mediated hydrothermal synthesis of reduced graphene oxide decorated ZnO nanocomposite: Luminescence and antioxidant properties. <i>European Physical Journal Plus</i> , 2016, 131, 1.	2.6	1
39	In vitro antioxidant activity studies of <i>Artocarpus gomezianus</i> . <i>Asian Journal of Bio Science</i> , 2014, 9, 273-283.	0.1	0
40	In vitro anticancer and hepatoprotective activity studies of <i>Garcinia xanthochymus</i> . <i>Asian Science</i> , 2014, 9, 56-62.	0.1	0
41	In vitro antiproliferative and hepatoprotective activity studies of <i>Momordica cymbalaria</i> . <i>Asian Science</i> , 2014, 9, 41-46.	0.1	0