

Tollamadugu N V K V Prasad

List of Publications by Year in Descending Order

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Version: 2024-04-27

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

47
papers

2,105
citations

19
h-index

45
g-index

48
ext. papers

2,421
ext. citations

2.9
avg, IF

5.13
L-index

#	Paper	IF	Citations
47	Nano-ellagic acid: inhibitory actions on aldose reductase and α -glucosidase in secondary complications of diabetes, strengthened by docking studies. <i>3 Biotech</i> , 2020 , 10, 439	2.8	3
46	Aspergillus and Fusarium control in the early stages of Arachis hypogaea (groundnut crop) by plant growth-promoting rhizobacteria (PGPR) consortium. <i>Microbiological Research</i> , 2020 , 240, 126562	5.3	6
45	Unprecedented Synergistic Effects of Nanoscale Nutrients on Growth, Productivity of Sweet Sorghum [<i>Sorghum bicolor</i> (L.) Moench], and Nutrient Biofortification. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 1075-1084	5.7	17
44	Plant growth promoting rhizobacteria for sustainable agricultural practices with special reference to biotic and abiotic stresses. <i>Plant Growth Regulation</i> , 2018 , 84, 603-615	3.2	105
43	Synthesis, characterization and evaluation of antimicrobial efficacy and brine shrimp lethality assay of stem bark extract mediated ZnONPs. <i>Biochemistry and Biophysics Reports</i> , 2018 , 14, 69-77	2.2	18
42	In vitro evaluation of acaricidal activity of novel green silver nanoparticles against deltamethrin resistance Rhipicephalus (Boophilus) microplus. <i>Veterinary Parasitology</i> , 2017 , 237, 130-136	2.8	14
41	Size dependent effects of antifungal phytochemical silver nanoparticles on germination, growth and biochemical parameters of rice (L), maize (L) and peanut (L). <i>IET Nanobiotechnology</i> , 2017 , 11, 277-285	2	11
40	Synthesis and characterisation of neem leaf extract, 2, 3-dehydrosalanol and quercetin dihydrate mediated silver nano particles for therapeutic applications. <i>IET Nanobiotechnology</i> , 2017 , 11, 383-389	2	4
39	First report on soapnut extract-mediated synthesis of sulphur-substituted nanoscale NdFeB permanent magnets and their characterization. <i>Applied Nanoscience (Switzerland)</i> , 2017 , 7, 389-398	3.3	1
38	Antimicrobial kinetics of Alstonia scholaris bark extract-mediated AgNPs. <i>Applied Nanoscience (Switzerland)</i> , 2016 , 6, 779-787	3.3	3
37	Synthesis, characterization, and evaluation of the antimicrobial efficacy of Boswellia ovalifoliolata stem bark-extract-mediated zinc oxide nanoparticles. <i>Applied Nanoscience (Switzerland)</i> , 2016 , 6, 581-590	3.3	58
36	Temperature-Dependent Extracellular Synthesis and Characterization of Nanoscale Calcium Pyrophosphate Crystals Using Marine Thermophilic Bacteria. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2016 , 46, 189-201		
35	Synthesis, characterization and antimicrobial activity of the micro/nano structured biogenic silver doped calcium phosphate. <i>Applied Nanoscience (Switzerland)</i> , 2016 , 6, 31-41	3.3	6
34	First report on rapid screening of nanomaterial-based antimicrobial agents against β -lactamase resistance using pGLO plasmid transformed Escherichia coli HB 101 K-12. <i>Applied Nanoscience (Switzerland)</i> , 2016 , 6, 941-949	3.3	0
33	Novel Effects of Nanoparticulate Delivery of Zinc on Growth, Productivity, and Zinc Biofortification in Maize (<i>Zea mays</i> L.). <i>Journal of Agricultural and Food Chemistry</i> , 2016 , 64, 3778-88	5.7	127
32	Evaluation of the wound healing efficacy of chemical and phytochemical silver nanoparticles. <i>IET Nanobiotechnology</i> , 2016 , 10, 340-348	2	9
31	First evidence on phloem transport of nanoscale calcium oxide in groundnut using solution culture technique. <i>Applied Nanoscience (Switzerland)</i> , 2015 , 5, 545-551	3.3	32

30	Synthesis of silver nanoparticles from stem bark of <i>Cochlospermum religiosum</i> (L.) Alston: an important medicinal plant and evaluation of their antimicrobial efficacy. <i>Applied Nanoscience (Switzerland)</i> , 2015 , 5, 827-835	3.3	31
29	Evaluation of the effect of indigenous mycogenic silver nanoparticles on soil exo-enzymes in barite mine contaminated soils. <i>Applied Nanoscience (Switzerland)</i> , 2015 , 5, 505-513	3.3	5
28	Evaluation of the antimicrobial activity and cytotoxicity of phyto-genic gold nanoparticles. <i>Applied Nanoscience (Switzerland)</i> , 2015 , 5, 595-602	3.3	16
27	Ficus Fruit-mediated Biosynthesis of Silver Nanoparticles and their Antibacterial Activity Against Antibiotic Resistant <i>E. coli</i> Strains. <i>Current Nanoscience</i> , 2015 , 11, 527-538	1.4	12
26	Synthesis, characterization and evaluation of effect of phyto-genic zinc nanoparticles on soil exo-enzymes. <i>Applied Nanoscience (Switzerland)</i> , 2014 , 4, 819-827	3.3	67
25	Novel synthesis of nanosilver particles using plant active principle aloin and evaluation of their cytotoxic effect against <i>Staphylococcus aureus</i> . <i>Asian Pacific Journal of Tropical Disease</i> , 2014 , 4, S92-S96		6
24	Synthesis, characterization and antimicrobial activity of <i>Alstonia scholaris</i> bark-extract-mediated silver nanoparticles. <i>Journal of Nanostructure in Chemistry</i> , 2014 , 4, 161-170	7.6	29
23	Conjunctive effect of CMC-zero-valent iron nanoparticles and FYM in the remediation of chromium-contaminated soils. <i>Applied Nanoscience (Switzerland)</i> , 2014 , 4, 477-484	3.3	21
22	Biofabrication of silver nanoparticles using <i>Andrographis paniculata</i> . <i>European Journal of Medicinal Chemistry</i> , 2014 , 73, 135-40	6.8	49
21	Application of phyto-genic zerovalent iron nanoparticles in the adsorption of hexavalent chromium. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013 , 116, 17-25	4.4	123
20	Simple and rapid biosynthesis of stable silver nanoparticles using dried leaves of <i>Catharanthus roseus</i> . Linn. G. Donn and its anti microbial activity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 105, 194-8	6	85
19	Occurrence, physiological responses and toxicity of nickel in plants. <i>International Journal of Environmental Science and Technology</i> , 2013 , 10, 1129-1140	3.3	118
18	Evaluation of therapeutic potential of nanosilver particles synthesised using aloin in experimental murine mastitis model. <i>IET Nanobiotechnology</i> , 2013 , 7, 78-82	2	8
17	Synthesis and characterization of phyto-genic zinc nanoparticles and their antimicrobial activity 2013 ,		2
16	Green synthesis and spectral characterization of silver nanoparticles from Lakshmi tulasi (<i>Ocimum sanctum</i>) leaf extract. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013 , 103, 156-9	4.4	96
15	Phyconanotechnology: synthesis of silver nanoparticles using brown marine algae <i>Cystophora moniliformis</i> and their characterisation. <i>Journal of Applied Phycology</i> , 2013 , 25, 177-182	3.2	119
14	Green Synthesis of Silver Nanoparticles Using Citrus Reticulata Juice and Evaluation of their Antibacterial Activity and Cytotoxicity Against Melanoma-B16/F10 Cells. <i>Current Nanoscience</i> , 2013 , 9, 457-462	1.4	6
13	Marine Algae Mediated Synthesis of Silver Nanoparticles using <i>Scaberia agardhii</i> Greville. <i>Journal of Biological Sciences</i> , 2013 , 13, 566-569	0.4	11

12	Rapid synthesis of silver nanoparticles from <i>Polylthia longifolia</i> leaves. <i>Asian Pacific Journal of Tropical Disease</i> , 2012 , 2, S663-S666		1
11	EFFECT OF NANOSCALE ZINC OXIDE PARTICLES ON THE GERMINATION, GROWTH AND YIELD OF PEANUT. <i>Journal of Plant Nutrition</i> , 2012 , 35, 905-927	2.3	539
10	Harvesting Au Nanoparticles from <i>Carthamus tinctorius</i> Flower Extract and Evaluation of Their Antimicrobial Activity. <i>Advanced Science Letters</i> , 2012 , 5, 124-130	0.1	12
9	Biofabrication of Ag nanoparticles using <i>Moringa oleifera</i> leaf extract and their antimicrobial activity. <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2011 , 1, 439-42	1.4	195
8	Evaluation of the antimicrobial efficacy of phyto-genic silver nanoparticles. <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2011 , 1, S82-S85	1.4	21
7	A Critical Review on Biogenic Silver Nanoparticles and their Antimicrobial Activity. <i>Current Nanoscience</i> , 2011 , 7, 531-544	1.4	53
6	Fabrication Of Biogenic Silver Nanoparticles Using Agricultural Crop Plant Leaf Extracts 2010 ,		5
5	LEAD BARIUM POTASSIUM SODIUM NIOBATE CERAMICS FOR PIEZOELECTRIC APPLICATIONS. <i>International Journal of Modern Physics B</i> , 2008 , 22, 1961-1976	1.1	3
4	Effects of a Barite Mine on Ground Water Quality in Andhra Pradesh, India. <i>Mine Water and the Environment</i> , 2007 , 26, 119-123	2.4	11
3	Influence of Pr ₂ O ₃ and Nd ₂ O ₃ on Ferroelectric and Pyroelectric Properties of Tungsten Bronze Structured BSNN Ceramics. <i>Ferroelectrics, Letters Section</i> , 2003 , 30, 25-39	0.5	8
2	Dielectric and pyroelectric properties of BSNN ceramics: effect of Ba/Sr ratio and La ₂ O ₃ addition. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2003 , 98, 279-285	3.1	38
1	A First Report on the Effects of Nanoscale Nutrients on Fermentation Process and Bio-Ethanol Production from Bio-Fortified Sweet Sorghum. <i>Sugar Tech</i> , 1	1.9	