

Vinod Saharan

List of Publications by Citations

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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.

51
papers

1,671
citations

16
h-index

40
g-index

54
ext. papers

2,016
ext. citations

3.7
avg, IF

5.02
L-index

#	Paper	IF	Citations
51	Synthesis and in vitro antifungal efficacy of Cu-chitosan nanoparticles against pathogenic fungi of tomato. <i>International Journal of Biological Macromolecules</i> , 2015 , 75, 346-53	7.9	242
50	Nanofertilizer for Precision and Sustainable Agriculture: Current State and Future Perspectives. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 6487-6503	5.7	236
49	Synthesis of chitosan based nanoparticles and their in vitro evaluation against phytopathogenic fungi. <i>International Journal of Biological Macromolecules</i> , 2013 , 62, 677-83	7.9	229
48	Cu-chitosan nanoparticle boost defense responses and plant growth in maize (<i>Zea mays</i> L.). <i>Scientific Reports</i> , 2017 , 7, 9754	4.9	165
47	Cu-Chitosan Nanoparticle Mediated Sustainable Approach To Enhance Seedling Growth in Maize by Mobilizing Reserved Food. <i>Journal of Agricultural and Food Chemistry</i> , 2016 , 64, 6148-55	5.7	127
46	Engineered chitosan based nanomaterials: Bioactivities, mechanisms and perspectives in plant protection and growth. <i>International Journal of Biological Macromolecules</i> , 2018 , 113, 494-506	7.9	113
45	Zinc encapsulated chitosan nanoparticle to promote maize crop yield. <i>International Journal of Biological Macromolecules</i> , 2019 , 127, 126-135	7.9	78
44	Salicylic acid functionalized chitosan nanoparticle: A sustainable biostimulant for plant. <i>International Journal of Biological Macromolecules</i> , 2019 , 123, 59-69	7.9	66
43	Thymol nanoemulsion exhibits potential antibacterial activity against bacterial pustule disease and growth promotory effect on soybean. <i>Scientific Reports</i> , 2018 , 8, 6650	4.9	58
42	Larvicidal activity of saponins from <i>Balanites aegyptiaca</i> callus against <i>Aedes aegypti</i> mosquito. <i>Bioresource Technology</i> , 2008 , 99, 1165-8	11	49
41	A high level of transgenic viral small RNA is associated with broad potyvirus resistance in cucurbits. <i>Molecular Plant-Microbe Interactions</i> , 2011 , 24, 1220-38	3.6	42
40	Chitosan nanofertilizer to foster source activity in maize. <i>International Journal of Biological Macromolecules</i> , 2020 , 145, 226-234	7.9	37
39	MgO Nanoparticles Biosynthesis and Its Effect on Chlorophyll Contents in the Leaves of Clusterbean (<i>Cyamopsis tetragonoloba</i> L.). <i>Advanced Science, Engineering and Medicine</i> , 2014 , 6, 538-545 ^{0.6}		31
38	Chitosan-silicon nanofertilizer to enhance plant growth and yield in maize (<i>Zea mays</i> L.). <i>Plant Physiology and Biochemistry</i> , 2021 , 159, 53-66	5.4	31
37	High frequency plant regeneration from desiccated calli of indica rice (<i>Oryza Sativa</i> L.). <i>African Journal of Biotechnology</i> , 2004 , 3, 256-259	0.6	23
36	Synthesis, Characterization, and Application of Chitosan Nanomaterials Loaded with Zinc and Copper for Plant Growth and Protection 2017 , 227-247		16
35	Cu-chitosan nano-net improves keeping quality of tomato by modulating physio-biochemical responses. <i>Scientific Reports</i> , 2020 , 10, 21914	4.9	15

34	Chitosan Based Nanomaterials in Plant Growth and Protection. <i>SpringerBriefs in Plant Science</i> , 2016 ,	0.3	13
33	Zinc-functionalized thymol nanoemulsion for promoting soybean yield. <i>Plant Physiology and Biochemistry</i> , 2019 , 145, 64-74	5.4	8
32	Effect of Laboratory Synthesized Cu-Chitosan Nanocomposites on Control of PFSR Disease of Maize caused by <i>Fusarium verticillioides</i> . <i>International Journal of Current Microbiology and Applied Sciences</i> , 2017 , 6, 1656-1664	1.3	8
31	Physio-biochemical responses of wheat plant towards salicylic acid-chitosan nanoparticles. <i>Plant Physiology and Biochemistry</i> , 2021 , 162, 699-705	5.4	8
30	Viral, Fungal and Bacterial Disease Resistance in Transgenic Plants 2016 , 627-656		7
29	Inactivation thermodynamics and iso-kinetic profiling for evaluating operational suitability of milk clotting enzyme immobilized in composite polymer matrix. <i>International Journal of Biological Macromolecules</i> , 2016 , 91, 317-28	7.9	7
28	Effect of gibberellic acid combined with saponin on shoot elongation of <i>Asparagus officinalis</i> . <i>Biologia Plantarum</i> , 2010 , 54, 740-742	2.1	5
27	Ashwagandha Root Extract Inhibits Acetylcholine Esterase, Protein Modification and Ameliorates H ₂ O ₂ -Induced Oxidative Stress in Rat Lymphocytes. <i>Pharmacognosy Journal</i> , 2017 , 9, 302-309	1.6	5
26	Properties and Types of Chitosan-Based Nanomaterials. <i>SpringerBriefs in Plant Science</i> , 2016 , 23-32	0.3	5
25	Extraction and Evaluation of Antioxidant and Free Radical Scavenging Potential Correlated with Biochemical Components of Red Rose Petals 2018 , 42, 1027-1036		4
24	Protein landmarks for diversity assessment in wheat genotypes. <i>African Journal of Biotechnology</i> , 2013 , 12, 4640-4647	0.6	4
23	Assessment of Cu- Chitosan Nanoparticles for its Antibacterial Activity against <i>Pseudomonas syringae</i> pv. <i>glycinea</i> . <i>International Journal of Current Microbiology and Applied Sciences</i> , 2017 , 6, 1335-1350	1.3	4
22	Nano-materials for plant protection with special reference to Nano-chitosan 2014 ,		4
21	Characterization Methods for Chitosan-Based Nanomaterials. <i>Nanotechnology in the Life Sciences</i> , 2019 , 103-116	1.1	3
20	: An Insight to Nanomedicine. <i>Journal of Nanoscience and Nanotechnology</i> , 2021 , 21, 3367-3378	1.3	3
19	In vitro Propagation of <i>Stevia rebaudiana</i> (Bertoni): An Overview. <i>International Journal of Current Microbiology and Applied Sciences</i> , 2017 , 6, 1010-1022	1.3	3
18	Current and Future Prospects of Chitosan-Based Nanomaterials in Plant Protection and Growth. <i>SpringerBriefs in Plant Science</i> , 2016 , 43-48	0.3	3
17	Mechanism of nanotoxicity in exposed to zinc and iron oxide. <i>Toxicology Reports</i> , 2021 , 8, 724-731	4.8	3

16	Slow-release Zn application through Zn-chitosan nanoparticles in wheat to intensify source activity and sink strength. <i>Plant Physiology and Biochemistry</i> , 2021 , 168, 272-281	5.4	2
15	Biological Activities of Chitosan-Based Nanomaterials. <i>SpringerBriefs in Plant Science</i> , 2016 , 33-41	0.3	2
14	Thidiazuron Induced Direct Shoot Organogenesis in <i>Stevia rebaudiana</i> and Assessment of Clonal Fidelity of Regenerated Plants by RAPD and ISSR. <i>International Journal of Current Microbiology and Applied Sciences</i> , 2017 , 6, 1690-1702	1.3	2
13	Simultaneous Estimation of Twenty Eight Phenolic Compounds by a Novel and Expedient Method Developed on Quaternary Ultra-Performance Liquid Chromatography System with a Photodiode Array Detector. <i>Biomolecules</i> , 2019 , 10,	5.9	2
12	Current Status of <i>Bacillus thuringiensis</i> : Insecticidal Crystal Proteins and Transgenic Crops 2016 , 657-698		2
11	Chitosan nanomaterials: A prelim of next-generation fertilizers; existing and future prospects.. <i>Carbohydrate Polymers</i> , 2022 , 288, 119356	10.3	2
10	Bioproduction of Diosgenin in Callus Cultures of <i>Balanites aegyptiaca</i> : Effect of Growth Regulators, Explants and Somatic Embryogenesis. <i>Natural Product Communications</i> , 2006 , 1, 1934578X0600100	0.9	1
9	Intervention of Fungi in Nano-Particle Technology and Applications. <i>Fungal Biology</i> , 2016 , 241-251	2.3	1
8	Antioxidant properties and free radicals scavenging activities of pomegranate (<i>Punica granatum</i> L.) peels: An in-vitro study. <i>Biocatalysis and Agricultural Biotechnology</i> , 2022 , 42, 102368	4.2	0
7	Nano-strategies as Oral Drug Delivery Platforms for Treatment of Cancer: Challenges and Future Perspectives. <i>AAPS PharmSciTech</i> , 2022 , 23,	3.9	0
6	Chitosan Metal Nanocomposites: Synthesis, Characterization, and Applications 2017 , 451-464		
5	Smart Nano-Chitosan for Fungal Disease Control 2020 , 23-47		
4	Nanomaterials Synthesis and Characterization 2019 , 1-10		
3	Thymol Based Nanoemulsions 2019 , 164-182		
2	Synthesis of Chitosan-Based Nanomaterials. <i>SpringerBriefs in Plant Science</i> , 2016 , 5-21	0.3	
1	Differential stem reserve food mobilization and sink strength in rice cultivars grown under submerged and aerobic conditions. <i>Journal of Plant Biochemistry and Biotechnology</i> ,1	1.6	