

Azamal Husen

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.

97
papers

3,766
citations

32
h-index

60
g-index

100
ext. papers

4,510
ext. citations

3.9
avg, IF

6.74
L-index

#	Paper	IF	Citations
97	A review on biosynthesis of silver nanoparticles and their biocidal properties. <i>Journal of Nanobiotechnology</i> , 2018 , 16, 14	9.4	511
96	Properties of Zinc Oxide Nanoparticles and Their Activity Against Microbes. <i>Nanoscale Research Letters</i> , 2018 , 13, 141	5	387
95	Phytosynthesis of nanoparticles: concept, controversy and application. <i>Nanoscale Research Letters</i> , 2014 , 9, 229	5	228
94	Fabrication of Metal Nanoparticles from Fungi and Metal Salts: Scope and Application. <i>Nanoscale Research Letters</i> , 2016 , 11, 98	5	178
93	Carbon and fullerene nanomaterials in plant system. <i>Journal of Nanobiotechnology</i> , 2014 , 12, 16	9.4	169
92	Plant Response to Engineered Metal Oxide Nanoparticles. <i>Nanoscale Research Letters</i> , 2017 , 12, 92	5	150
91	Plants and microbes assisted selenium nanoparticles: characterization and application. <i>Journal of Nanobiotechnology</i> , 2014 , 12, 28	9.4	144
90	Recent advances in plant-mediated engineered gold nanoparticles and their application in biological system. <i>Journal of Trace Elements in Medicine and Biology</i> , 2017 , 40, 10-23	4.1	125
89	Green Synthesis, Characterization and Uses of Palladium/Platinum Nanoparticles. <i>Nanoscale Research Letters</i> , 2016 , 11, 482	5	116
88	Fabrication of Metal and Metal Oxide Nanoparticles by Algae and their Toxic Effects. <i>Nanoscale Research Letters</i> , 2016 , 11, 363	5	88
87	Engineered Gold Nanoparticles and Plant Adaptation Potential. <i>Nanoscale Research Letters</i> , 2016 , 11, 400	5	88
86	Metabolic changes during adventitious root primordium development in <i>Tectona grandis</i> Linn. f. (teak) cuttings as affected by age of donor plants and auxin (IBA and NAA) treatment. <i>New Forests</i> , 2007 , 33, 309-323	2.6	85
85	Biogenic Fabrication of Iron/Iron Oxide Nanoparticles and Their Application. <i>Nanoscale Research Letters</i> , 2016 , 11, 498	5	79
84	Salicylic acid alleviates salinity-caused damage to foliar functions, plant growth and antioxidant system in Ethiopian mustard (<i>Brassica carinata</i> A. Br.). <i>Agriculture and Food Security</i> , 2018 , 7,	3.1	63
83	Growth, water status, and leaf characteristics of <i>Brassica carinata</i> under drought and rehydration conditions. <i>Revista Brasileira De Botanica</i> , 2014 , 37, 217-227	1.2	57
82	Plant response to jasmonates: current developments and their role in changing environment. <i>Bulletin of the National Research Centre</i> , 2019 , 43,	3	55
81	Growth, Water Status, Physiological, Biochemical and Yield Response of Stay Green Sorghum (<i>Sorghum bicolor</i> (L.) Moench) Varieties-A Field Trial Under Drought-Prone Area in Amhara Regional State, Ethiopia. <i>Journal of Agronomy</i> , 2015 , 14, 188-202	0.4	55

80	Improving the phytoextraction capacity of plants to scavenge metal(loid)-contaminated sites. <i>Environmental Reviews</i> , 2015 , 23, 44-65	4.5	54
79	Recent Status of Nanomaterial Fabrication and Their Potential Applications in Neurological Disease Management. <i>Nanoscale Research Letters</i> , 2018 , 13, 231	5	50
78	Variation in Shoot Anatomy and Rooting Behaviour of Stem Cuttings in Relation to Age of Donor Plants in Teak (<i>Tectona grandis</i> Linn. f.). <i>New Forests</i> , 2006 , 31, 57-73	2.6	47
77	A Review on Biosensors and Nanosensors Application in Agroecosystems. <i>Nanoscale Research Letters</i> , 2021 , 16, 136	5	47
76	Metal-based nanoparticles, sensors, and their multifaceted application in food packaging. <i>Journal of Nanobiotechnology</i> , 2021 , 19, 256	9.4	47
75	Differential Sensitivity of <i>Pisum sativum</i> L. Cultivars to Water-deficit Stress: Changes in Growth, Water Status, Chlorophyll Fluorescence and Gas Exchange Attributes. <i>Journal of Agronomy</i> , 2016 , 15, 45-57	0.4	46
74	Current status of plant metabolite-based fabrication of copper/copper oxide nanoparticles and their applications: a review. <i>Biomaterials Research</i> , 2020 , 24, 11	16.8	45
73	Clonal propagation of <i>Dalbergia sissoo</i> Roxb. and associated metabolic changes during adventitious root primordium development. <i>New Forests</i> , 2008 , 36, 13-27	2.6	43
72	Growth Characteristics, Physiological and Metabolic Responses of Teak (<i>Tectona Grandis</i> Linn. f.) Clones Differing in Rejuvenation Capacity Subjected to Drought Stress. <i>Silvae Genetica</i> , 2010 , 59, 124-136	1.1	41
71	Modulation of salt-stress tolerance of niger (<i>Guizotia abyssinica</i>), an oilseed plant, by application of salicylic acid. <i>Journal of Environmental Biology</i> , 2019 , 40, 96-104	1.6	41
70	Biogenic fabrication and characterization of silver nanoparticles using aqueous-ethanolic extract of lichen () and their antimicrobial activity. <i>Biomaterials Research</i> , 2018 , 22, 23	16.8	40
69	Plant growth and foliar characteristics of faba bean (<i>Vicia faba</i> L.) as affected by indole-acetic acid under water-sufficient and water-deficient conditions. <i>Journal of Environmental Biology</i> , 2017 , 38, 179-186	1.6	39
68	Effect of branch position and auxin treatment on clonal propagation of <i>Tectona grandis</i> Linn. f.. <i>New Forests</i> , 2007 , 34, 223-233	2.6	38
67	Smart nanomaterial and nanocomposite with advanced agrochemical activities. <i>Nanoscale Research Letters</i> , 2021 , 16, 156	5	36
66	Gold Nanoparticles from Plant System: Synthesis, Characterization and their Application. <i>Soil Biology</i> , 2017 , 455-479	1	34
65	Potential applications of engineered nanoparticles in plant disease management: A critical update.. <i>Chemosphere</i> , 2022 , 133798	8.4	31
64	Plant response to strigolactones: Current developments and emerging trends. <i>Applied Soil Ecology</i> , 2017 , 120, 247-253	5	28
63	Biogenic fabrication of nanomaterials from flower-based chemical compounds, characterization and their various applications: A review. <i>Saudi Journal of Biological Sciences</i> , 2020 , 27, 2551-2562	4	27

62	Phytochemistry, pharmacological activities, nanoparticle fabrication, commercial products and waste utilization of <i>Carica papaya</i> L.: A comprehensive review. <i>Current Research in Biotechnology</i> , 2020 , 2, 145-160	4.8	25
61	Stock-plant etiolation causes drifts in total soluble sugars and anthraquinones, and promotes adventitious root formation in teak (<i>Tectona grandis</i> L. f.) coppice shoots. <i>Plant Growth Regulation</i> , 2007 , 54, 13-21	3.2	24
60	Changes of Soluble Sugars and Enzymatic Activities During Adventitious Rooting in Cuttings of <i>Grewia optiva</i> as Affected by Age of Donor Plants and Auxin Treatments. <i>American Journal of Plant Physiology</i> , 2011 , 7, 1-16	0	22
59	Nanomaterials and Plant Potential: An Overview 2019 , 3-29		20
58	Plant response to silver nanoparticles: a critical review. <i>Critical Reviews in Biotechnology</i> , 2021 , 1-18	9.4	20
57	Role of Nanomaterials in the Mitigation of Abiotic Stress in Plants 2019 , 441-471		19
56	Water purification and antibacterial efficacy of <i>Moringa oleifera</i> Lam. <i>Agriculture and Food Security</i> , 2018 , 7,	3.1	19
55	Growth, chlorophyll fluorescence and biochemical markers in clonal ramets of shisham (<i>Dalbergia sissoo</i> Roxb.) at nursery stage. <i>New Forests</i> , 2009 , 38, 117-129	2.6	14
54	Recent Development and Future Prospects of Plant-Based Vaccines. <i>Current Drug Metabolism</i> , 2017 , 18, 831-841	3.5	14
53	Effect of Indole-3-Butyric Acid on Clonal Propagation of Mulberry (<i>Morus alba</i> L.) Stem Cuttings: Rooting and Associated Biochemical Changes. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2017 , 87, 161-166	1.4	12
52	Development of Cotton leaf curl virus resistant transgenic cotton using antisense $\Omega 1$ gene. <i>Saudi Journal of Biological Sciences</i> , 2016 , 23, 358-62	4	12
51	Plant-Mediated Synthesis of Copper Oxide Nanoparticles and Their Biological Applications 2019 , 221-237		11
50	Role of Anthraquinones as a Marker of Juvenility and Maturity in Response to Adventitious Rooting of <i>Tectona grandis</i> . <i>American Journal of Plant Physiology</i> , 2012 , 7, 220-231	0	11
49	Ethnopharmacological, phytochemistry and other potential applications of <i>Dodonaea</i> genus: A comprehensive review. <i>Current Research in Biotechnology</i> , 2020 , 2, 103-119	4.8	11
48	Root-based fabrication of metal/metal-oxide nanomaterials and their various applications 2020 , 135-166		9
47	Behavior of agricultural crops in relation to nanomaterials under adverse environmental conditions 2020 , 219-256		9
46	Plant Allelochemicals and Their Various Applications. <i>Reference Series in Phytochemistry</i> , 2020 , 441-465	0.7	9
45	Morpho-anatomical, Physiological, Biochemical and Molecular Responses of Plants to Air Pollution 2021 , 203-234		9

44	Nanomaterials from non-wood forest products and their applications 2020 , 15-40		8
43	Natural Product-Based Fabrication of Zinc-Oxide Nanoparticles and Their Applications 2019 , 193-219		7
42	Impact of Fabricated Nanoparticles on the Rhizospheric Microorganisms and Soil Environment 2019 , 529-552		7
41	Green Synthesis of Iron Oxide Nanoparticles: Cutting Edge Technology and Multifaceted Applications 2019 , 239-259		7
40	Biofabrication of Silver Nanoparticles from <i>Diospyros montana</i> , Their Characterization and Activity Against Some Clinical Isolates. <i>BioNanoScience</i> , 2019 , 9, 302-312	3-4	7
39	Introduction and techniques in nanomaterials formulation 2020 , 1-14		7
38	Suitability of Indian mustard genotypes for phytoremediation of mercury-contaminated sites. <i>South African Journal of Botany</i> , 2021 , 142, 12-18	2.9	7
37	Plant-Mediated Fabrication of Gold Nanoparticles and Their Applications 2019 , 71-110		6
36	Plant-Based Fabrication of Silver Nanoparticles and Their Application 2019 , 135-175		6
35	Rejuvenation and Adventitious Rooting in Coppice-Shoot Cuttings of <i>Tectona grandis</i> as Affected by Stock-Plant Etiolation. <i>American Journal of Plant Sciences</i> , 2011 , 02, 370-374	0.5	6
34	Growth Characteristics, Biomass and Chlorophyll Fluorescence Variation of Garhwal Himalayan Fodder and Fuel Wood Tree Species at the Nursery Stage. <i>Open Journal of Forestry</i> , 2013 , 03, 12-16	0.4	6
33	Nanomaterials from various forest tree species and their biomedical applications 2020 , 81-106		6
32	Role of viruses, prions and miRNA in neurodegenerative disorders and dementia. <i>VirusDisease</i> , 2018 , 29, 419-433	3.4	6
31	Response of <i>Datura innoxia</i> Linn. to Gamma Rays and Its Impact on Plant Growth and Productivity. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2016 , 86, 623-629	1.4	5
30	Medicinal Plant Product-Based Fabrication Nanoparticles (Au and Ag) and Their Anticancer Effects 2019 , 133-147		5
29	Improving futuristic nanomaterial researches in forestry sector: an overview 2020 , 505-518		5
28	Algae-, fungi-, and yeast-mediated biological synthesis of nanoparticles and their various biomedical applications 2021 , 701-734		5
27	Functions of Hydrogen Sulfide in Plant Regulation and Response to Abiotic Stress 2021 , 329-355		5

26	Impact of UV Radiation on the Growth and Pharmaceutical Properties of Medicinal Plants 2022 , 47-59		5
25	Carbon-based nanomaterials and their interactions with agricultural crops 2020 , 199-218		4
24	Interactions of metal and metal-oxide nanomaterials with agricultural crops: an overview 2020 , 167-197		4
23	Plant Allelochemicals and Their Various Applications. <i>Reference Series in Phytochemistry</i> , 2019 , 1-25	0.7	4
22	Microwave-Assisted Synchronous Nanogold Synthesis Reinforced by Kenaf Seed and Decoding Their Biocompatibility and Anticancer Activity.. <i>Pharmaceuticals</i> , 2022 , 15,	5.2	4
21	Cross Talk Between Autophagy and Hormones for Abiotic Stress Tolerance in Plants 2021 , 1-15		4
20	Significance of brassinosteroids and their derivatives in the development and protection of plants under abiotic stress. <i>Biologia (Poland)</i> , 2021 , 76, 2837-2857	1.5	4
19	Growth and Development of Medicinal Plants, and Production of Secondary Metabolites under Ozone Pollution 2022 , 25-38		4
18	Impact of Sulphur Dioxide Deposition on Medicinal Plants' Growth and Production of Active Constituents 2022 , 65-88		4
17	Role of nanomaterials in soil and water quality management 2020 , 491-503		3
16	Medicinal Plants and Their Pharmaceutical Properties Under Adverse Environmental Conditions 2021 , 457-502		3
15	Plant-based Potential Nutraceuticals for Improving the Human Immune System 2021 , 1-12		3
14	Antibacterial Properties of Medicinal Plants 2021 , 13-54		3
13	Current Trends in Engineered Gold Nanoparticles for Cancer Therapy. <i>Nanotechnology in the Life Sciences</i> , 2021 , 1-40	1.1	2
12	Green synthesis, characterization, antibacterial and photocatalytic activity of black cupric oxide nanoparticles. <i>Agriculture and Food Security</i> , 2020 , 9,	3.1	2
11	Effect of Carbon-Based Nanomaterials on Rhizosphere and Plant Functioning 2019 , 553-575		2
10	Potential Role of Medicinal Plants in the Cure of Liver and Kidney Diseases 2021 , 229-254		2
9	Potential Role of Forest-Based Plants in Essential Oil Production: An Approach to Cosmetic and Personal Health Care Applications 2021 , 1-18		2

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- 7 The Harsh Environment and Resilient Plants: An Overview **2021**, 1-23 1
- 6 Current status of Aloe-based nanoparticle fabrication, characterization and their application in some cutting-edge areas. *South African Journal of Botany*, **2021**, 2.9 1
- 5 Nanoparticle-Mediated Delivery of Flavonoids for Cancer Therapy: Prevention and Treatment. *Nanotechnology in the Life Sciences*, **2021**, 61-100 1.1
- 4 Food, Fodder and Fuelwoods from Forest **2021**, 383-425
- 3 Role of Traditional Chewing Sticks in Oral Hygiene and Other Benefits **2021**, 39-73
- 2 Forest-Based Edible Seeds and Nuts for Health Care and Disease Control **2021**, 145-174
- 1 Role of Hormones in Crop Plants Root System Architecture Under Changing Environmental Conditions **2022**, 145-159