

Azamal Husen

List of Publications by Year in descending order

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Version: 2024-02-01

91
papers

5,824
citations

87723

38
h-index

118652

62
g-index

101
all docs

101
docs citations

101
times ranked

5433
citing authors

#	ARTICLE	IF	CITATIONS
1	Current status of Aloe-based nanoparticle fabrication, characterization and their application in some cutting-edge areas. South African Journal of Botany, 2022, 147, 1058-1069.	1.2	13
2	Plant response to silver nanoparticles: a critical review. Critical Reviews in Biotechnology, 2022, 42, 973-990.	5.1	57
3	Microwave-Assisted Synchronous Nanogold Synthesis Reinforced by Kenaf Seed and Decoding Their Biocompatibility and Anticancer Activity. Pharmaceuticals, 2022, 15, 111.	1.7	4
4	Potential Applications of Engineered Nanoparticles in Plant Disease Management: A Critical Update. Chemosphere, 2022, 295, 133798.	4.2	76
5	Role of Hormones in Crop Plants Root System Architecture Under Changing Environmental Conditions. , 2022, , 145-159.		1
6	Medicinal Plants and Their Pharmaceutical Properties Under Adverse Environmental Conditions. , 2021, , 457-502.		3
7	Food, Fodder and Fuelwoods from Forest. , 2021, , 383-425.		0
8	Algae-, fungi-, and yeast-mediated biological synthesis of nanoparticles and their various biomedical applications. , 2021, , 701-734.		20
9	Morpho-anatomical, Physiological, Biochemical and Molecular Responses of Plants to Air Pollution. , 2021, , 203-234.		10
10	Functions of Hydrogen Sulfide in Plant Regulation and Response to Abiotic Stress. , 2021, , 329-355.		7
11	Health-Promoting Benefits, Value-Added Products, and Other Uses of Banana. , 2021, , 339-364.		3
12	The Harsh Environment and Resilient Plants: An Overview. , 2021, , 1-23.		3
13	Role of Traditional Chewing Sticks in Oral Hygiene and Other Benefits. , 2021, , 39-73.		0
14	Cross Talk Between Autophagy and Hormones for Abiotic Stress Tolerance in Plants. , 2021, , 1-15.		4
15	A Review on Biosensors and Nanosensors Application in Agroecosystems. Nanoscale Research Letters, 2021, 16, 136.	3.1	123
16	Significance of brassinosteroids and their derivatives in the development and protection of plants under abiotic stress. Biologia (Poland), 2021, 76, 2837-2857.	0.8	21
17	Metal-based nanoparticles, sensors, and their multifaceted application in food packaging. Journal of Nanobiotechnology, 2021, 19, 256.	4.2	102
18	Suitability of Indian mustard genotypes for phytoremediation of mercury-contaminated sites. South African Journal of Botany, 2021, 142, 12-18.	1.2	11

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19	Potential Role of Medicinal Plants in the Cure of Liver and Kidney Diseases. , 2021, , 229-254.		3
20	Forest-Based Edible Seeds and Nuts for Health Care and Disease Control. , 2021, , 145-174.		1
21	Smart nanomaterial and nanocomposite with advanced agrochemical activities. Nanoscale Research Letters, 2021, 16, 156.	3.1	69
22	Current Trends in Engineered Gold Nanoparticles for Cancer Therapy. Nanotechnology in the Life Sciences, 2021, , 1-40.	0.4	3
23	Ethnopharmacological, phytochemistry and other potential applications of Dodonaea genus: A comprehensive review. Current Research in Biotechnology, 2020, 2, 103-119.	1.9	24
24	Phytochemistry, pharmacological activities, nanoparticle fabrication, commercial products and waste utilization of Carica papaya L.: A comprehensive review. Current Research in Biotechnology, 2020, 2, 145-160.	1.9	53
25	Green synthesis, characterization, antibacterial and photocatalytic activity of black cupric oxide nanoparticles. Agriculture and Food Security, 2020, 9, .	1.6	8
26	Biogenic fabrication of nanomaterials from flower-based chemical compounds, characterization and their various applications: A review. Saudi Journal of Biological Sciences, 2020, 27, 2551-2562.	1.8	57
27	Root-based fabrication of metal/metal-oxide nanomaterials and their various applications. , 2020, , 135-166.		16
28	Carbon-based nanomaterials and their interactions with agricultural crops. , 2020, , 199-218.		21
29	Behavior of agricultural crops in relation to nanomaterials under adverse environmental conditions. , 2020, , 219-256.		14
30	Current status of plant metabolite-based fabrication of copper/copper oxide nanoparticles and their applications: a review. Biomaterials Research, 2020, 24, 11.	3.2	94
31	Role of nanomaterials in soil and water quality management. , 2020, , 491-503.		7
32	Interactions of metal and metal-oxide nanomaterials with agricultural crops: an overview. , 2020, , 167-197.		20
33	Nanomaterials from non-wood forest products and their applications. , 2020, , 15-40.		17
34	Improving futuristic nanomaterial researches in forestry sector: an overview. , 2020, , 505-518.		5
35	Plant Allelochemicals and Their Various Applications. Reference Series in Phytochemistry, 2020, , 441-465.	0.2	20
36	Introduction and techniques in nanomaterials formulation. , 2020, , 1-14.		20

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37	Nanomaterials from various forest tree species and their biomedical applications. , 2020, , 81-106.		10
38	Plant Allelochemicals and Their Various Applications. Reference Series in Phytochemistry, 2019, , 1-25.	0.2	8
39	Plant response to jasmonates: current developments and their role in changing environment. Bulletin of the National Research Centre, 2019, 43, .	0.7	82
40	Role of Nanomaterials in the Mitigation of Abiotic Stress in Plants. , 2019, , 441-471.		31
41	Plant-Mediated Fabrication of Gold Nanoparticles and Their Applications. , 2019, , 71-110.		19
42	Natural Product-Based Fabrication of Zinc-Oxide Nanoparticles and Their Applications. , 2019, , 193-219.		28
43	Plant-Based Fabrication of Silver Nanoparticles and Their Application. , 2019, , 135-175.		9
44	Nanomaterials and Plant Potential: An Overview. , 2019, , 3-29.		45
45	Impact of Fabricated Nanoparticles on the Rhizospheric Microorganisms and Soil Environment. , 2019, , 529-552.		10
46	Plant-Mediated Synthesis of Copper Oxide Nanoparticles and Their Biological Applications. , 2019, , 221-237.		21
47	Green Synthesis of Iron Oxide Nanoparticles: Cutting Edge Technology and Multifaceted Applications. , 2019, , 239-259.		26
48	Biofabrication of Silver Nanoparticles from <i>Diospyros montana</i> , Their Characterization and Activity Against Some Clinical Isolates. <i>BioNanoScience</i> , 2019, 9, 302-312.	1.5	9
49	Effect of Carbon-Based Nanomaterials on Rhizosphere and Plant Functioning. , 2019, , 553-575.		2
50	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.	0.2	44
51	Molecular diagnosis of begomovirus associated with yellow vein mosaic disease of <i>Urena lobata</i> . <i>Pakistan Journal of Botany</i> , 2019, 51, .	0.2	1
52	Water purification and antibacterial efficacy of <i>Moringa oleifera</i> Lam. <i>Agriculture and Food Security</i> , 2018, 7, .	1.6	43
53	A review on biosynthesis of silver nanoparticles and their biocidal properties. <i>Journal of Nanobiotechnology</i> , 2018, 16, 14.	4.2	813
54	Biogenic fabrication and characterization of silver nanoparticles using aqueous-ethanolic extract of lichen (<i>Usnea longissima</i>) and their antimicrobial activity. <i>Biomaterials Research</i> , 2018, 22, 23.	3.2	63

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55	Recent Status of Nanomaterial Fabrication and Their Potential Applications in Neurological Disease Management. <i>Nanoscale Research Letters</i> , 2018, 13, 231.	3.1	75
56	Role of viruses, prions and miRNA in neurodegenerative disorders and dementia. <i>VirusDisease</i> , 2018, 29, 419-433.	1.0	9
57	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, .	1.6	81
58	Properties of Zinc Oxide Nanoparticles and Their Activity Against Microbes. <i>Nanoscale Research Letters</i> , 2018, 13, 141.	3.1	667
59	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.	0.4	19
60	Gold Nanoparticles from Plant System: Synthesis, Characterization and their Application. <i>Soil Biology</i> , 2017, , 455-479.	0.6	53
61	Plant Response to Engineered Metal Oxide Nanoparticles. <i>Nanoscale Research Letters</i> , 2017, 12, 92.	3.1	195
62	Plant response to strigolactones: Current developments and emerging trends. <i>Applied Soil Ecology</i> , 2017, 120, 247-253.	2.1	44
63	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.	1.5	179
64	Recent Development and Future Prospects of Plant-Based Vaccines. <i>Current Drug Metabolism</i> , 2017, 18, 831-841.	0.7	20
65	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.	0.2	47
66	Engineered Gold Nanoparticles and Plant Adaptation Potential. <i>Nanoscale Research Letters</i> , 2016, 11, 400.	3.1	122
67	Fabrication of Metal and Metal Oxide Nanoparticles by Algae and their Toxic Effects. <i>Nanoscale Research Letters</i> , 2016, 11, 363.	3.1	122
68	Biogenic Fabrication of Iron/Iron Oxide Nanoparticles and Their Application. <i>Nanoscale Research Letters</i> , 2016, 11, 498.	3.1	109
69	Green Synthesis, Characterization and Uses of Palladium/Platinum Nanoparticles. <i>Nanoscale Research Letters</i> , 2016, 11, 482.	3.1	168
70	Fabrication of Metal Nanoparticles from Fungi and Metal Salts: Scope and Application. <i>Nanoscale Research Letters</i> , 2016, 11, 98.	3.1	237
71	Development of Cotton leaf curl virus resistant transgenic cotton using antisense ΔYC1 gene. <i>Saudi Journal of Biological Sciences</i> , 2016, 23, 358-362.	1.8	20
72	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.	0.4	7

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73	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	59
74	Improving the phytoextraction capacity of plants to scavenge metal(loid)-contaminated sites. <i>Environmental Reviews</i> , 2015, 23, 44-65.	2.1	65
75	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	64
76	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.	0.5	73
77	Plants and microbes assisted selenium nanoparticles: characterization and application. <i>Journal of Nanobiotechnology</i> , 2014, 12, 28.	4.2	202
78	Carbon and fullerene nanomaterials in plant system. <i>Journal of Nanobiotechnology</i> , 2014, 12, 16.	4.2	210
79	Phytosynthesis of nanoparticles: concept, controversy and application. <i>Nanoscale Research Letters</i> , 2014, 9, 229.	3.1	290
80	Growth Characteristics, Biomass and Chlorophyll Fluorescence Variation of Garhwal Himalaya's Fodder and Fuel Wood Tree Species at the Nursery Stage. <i>Open Journal of Forestry</i> , 2013, 03, 12-16.	0.1	6
81	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.	0.2	13
82	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.	0.3	14
83	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.	0.2	28
84	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.	0.4	55
85	Growth, chlorophyll fluorescence and biochemical markers in clonal ramets of shisham (<i>Dalbergia</i>) Tj ETQq1 1 0.784314 rgBT/Overlo 0.7 16	0.7	16
86	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.	0.7	57
87	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.	0.7	107
88	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.	0.7	50
89	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.	1.8	32
90	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.	0.7	63

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91	Traditional Herbal Therapy for the Human Immune System. , 0, , .		14