

Naeem Ghauri

List of Publications by Year in descending order

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84
papers

2,480
citations

201385

27
h-index

223531

46
g-index

87
all docs

87
docs citations

87
times ranked

1669
citing authors

#	ARTICLE	IF	CITATIONS
1	Calcium chloride and gibberellic acid protect linseed (<i>Linum usitatissimum</i> L.) from NaCl stress by inducing antioxidative defence system and osmoprotectant accumulation. <i>Acta Physiologiae Plantarum</i> , 2010, 32, 121-132.	1.0	194
2	Phytoremediation of contaminated waters: An eco-friendly technology based on aquatic macrophytes application. <i>Egyptian Journal of Aquatic Research</i> , 2020, 46, 371-376.	1.0	117
3	Salicylic acid-induced physiological and biochemical changes in lemongrass varieties under water stress. <i>Journal of Plant Interactions</i> , 2010, 5, 293-303.	1.0	109
4	Role of Salicylic Acid in Promoting Salt Stress Tolerance and Enhanced Artemisinin Production in <i>Artemisia annua</i> L.. <i>Journal of Plant Growth Regulation</i> , 2011, 30, 425-435.	2.8	108
5	Salicylic acid mitigates salinity stress by improving antioxidant defence system and enhances vincristine and vinblastine alkaloids production in periwinkle [<i>Catharanthus roseus</i> (L.) G. Don]. <i>Acta Physiologiae Plantarum</i> , 2011, 33, 987-999.	1.0	103
6	Methyl jasmonate counteracts boron toxicity by preventing oxidative stress and regulating antioxidant enzyme activities and artemisinin biosynthesis in <i>Artemisia annua</i> L.. <i>Protoplasma</i> , 2011, 248, 601-612.	1.0	79
7	Stimulation of crop productivity, photosynthesis and artemisinin production in <i>Artemisia annua</i> L. by triacontanol and gibberellic acid application. <i>Journal of Plant Interactions</i> , 2010, 5, 273-281.	1.0	78
8	Triacontanol: a potent plant growth regulator in agriculture. <i>Journal of Plant Interactions</i> , 2012, 7, 129-142.	1.0	73
9	Boron Induced Oxidative Stress, Antioxidant Defence Response and Changes in Artemisinin Content in <i>Artemisia annua</i> L.. <i>Journal of Agronomy and Crop Science</i> , 2010, 196, 423-430.	1.7	68
10	Salicylic acid acts as potent enhancer of growth, photosynthesis and artemisinin production in <i>Artemisia annua</i> L.. <i>Journal of Crop Science and Biotechnology</i> , 2010, 13, 183-188.	0.7	66
11	Enhancing the growth, photosynthetic capacity and artemisinin content in <i>Artemisia annua</i> L. by irradiated sodium alginate. <i>Radiation Physics and Chemistry</i> , 2011, 80, 833-836.	1.4	65
12	Influence of alginate oligosaccharides on growth, yield and alkaloid production of opium poppy (<i>Papaver somniferum</i> L.). <i>Frontiers of Agriculture in China</i> , 2011, 5, 122-127.	0.2	60
13	Exogenous nitric oxide donor protects <i>Artemisia annua</i> from oxidative stress generated by boron and aluminium toxicity. <i>Ecotoxicology and Environmental Safety</i> , 2012, 80, 60-68.	2.9	60
14	Molecular Mechanisms of Nitric Oxide (NO) Signaling and Reactive Oxygen Species (ROS) Homeostasis during Abiotic Stresses in Plants. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9656.	1.8	56
15	Depolymerised carrageenan enhances physiological activities and menthol production in <i>Mentha arvensis</i> L.. <i>Carbohydrate Polymers</i> , 2012, 87, 1211-1218.	5.1	55
16	Triacontanol stimulates nitrogen-fixation, enzyme activities, photosynthesis, crop productivity and quality of hyacinth bean (<i>Lablab purpureus</i> L.). <i>Scientia Horticulturae</i> , 2009, 121, 389-396.	1.7	49
17	Salicylic acid restrains nickel toxicity, improves antioxidant defence system and enhances the production of anticancer alkaloids in <i>Catharanthus roseus</i> (L.). <i>Journal of Hazardous Materials</i> , 2013, 252-253, 367-374.	6.5	49
18	Triacontanol-mediated regulation of growth and other physiological attributes, active constituents and yield of <i>Mentha arvensis</i> L.. <i>Plant Growth Regulation</i> , 2011, 65, 195-206.	1.8	44

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19	Radiolytically depolymerized sodium alginate improves physiological activities, yield attributes and composition of essential oil of <i>Eucalyptus citriodora</i> Hook. <i>Carbohydrate Polymers</i> , 2014, 112, 134-144.	5.1	36
20	Exogenous abscisic acid mediates ROS homeostasis and maintains glandular trichome to enhance artemisinin biosynthesis in <i>Artemisia annua</i> under copper toxicity. <i>Plant Physiology and Biochemistry</i> , 2020, 156, 125-134.	2.8	36
21	A comprehensive review of impacts of diverse nanoparticles on growth, development and physiological adjustments in plants under changing environment. <i>Chemosphere</i> , 2022, 291, 132672.	4.2	36
22	Hyacinth bean (<i>Lablab purpureus</i> L.) – An underutilised crop with future potential. <i>Scientia Horticulturae</i> , 2020, 272, 109551.	1.7	34
23	Effect of irradiated sodium alginate and phosphorus on biomass and artemisinin production in <i>Artemisia annua</i> . <i>Carbohydrate Polymers</i> , 2014, 110, 396-404.	5.1	33
24	Vincristine and Vinblastine Anticancer Catharanthus Alkaloids: Pharmacological Applications and Strategies for Yield Improvement. , 2017, , 277-307.		33
25	Effects of boron toxicity on growth, oxidative damage, antioxidant enzymes and essential oil fingerprinting in <i>Mentha arvensis</i> and <i>Cymbopogon flexuosus</i> . <i>Chemical and Biological Technologies in Agriculture</i> , 2020, 7, .	1.9	32
26	Enhancing artemisinin content in and delivery from <i>Artemisia annua</i> : a review of alternative, classical, and transgenic approaches. <i>Planta</i> , 2021, 254, 29.	1.6	31
27	Cellular Responses, Osmotic Adjustments, and Role of Osmolytes in Providing Salt Stress Resilience in Higher Plants: Polyamines and Nitric Oxide Crosstalk. <i>Journal of Plant Growth Regulation</i> , 2023, 42, 539-553.	2.8	31
28	Phosphorus ameliorates crop productivity, photosynthesis, nitrate reductase activity and nutrient accumulation in coffee senna (<i>Senna occidentalis</i> L.) under phosphorus-deficient soil. <i>Journal of Plant Interactions</i> , 2009, 4, 145-153.	1.0	30
29	Gamma irradiated sodium alginate induced modulation of phosphoenolpyruvate carboxylase and production of essential oil and citral content of lemongrass. <i>Industrial Crops and Products</i> , 2012, 40, 62-68.	2.5	30
30	Employing depolymerised sodium alginate, triacontanol and 28-homobrassinolide in enhancing physiological activities, production of essential oil and active components in <i>Mentha arvensis</i> L. <i>Industrial Crops and Products</i> , 2014, 55, 272-279.	2.5	30
31	Effect of nitrogen on growth, nutrient assimilation, essential oil content, yield and quality attributes in <i>Zingiber officinale</i> Rosc.. <i>Journal of the Saudi Society of Agricultural Sciences</i> , 2016, 15, 171-178.	1.0	30
32	Salicylic acid restrains arsenic induced oxidative burst in two varieties of <i>Artemisia annua</i> L. by modulating antioxidant defence system and artemisinin production. <i>Ecotoxicology and Environmental Safety</i> , 2020, 202, 110851.	2.9	30
33	Cumulative role of irradiated sodium alginate and nitrogen fertilizer on growth, biochemical processes and artemisinin production in <i>Artemisia annua</i> . <i>Industrial Crops and Products</i> , 2013, 50, 874-881.	2.5	29
34	A comprehensive review of adaptations in plants under arsenic toxicity: Physiological, metabolic and molecular interventions. <i>Environmental Pollution</i> , 2021, 290, 118029.	3.7	28
35	Oligomers of carrageenan regulate functional activities and artemisinin production in <i>Artemisia annua</i> L. exposed to arsenic stress. <i>Protoplasma</i> , 2020, 257, 871-887.	1.0	27
36	Irradiated sodium alginate improves plant growth, physiological activities and active constituents in <i>Mentha arvensis</i> L. <i>Journal of Applied Pharmaceutical Science</i> , 0, , 28-35.	0.7	26

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37	Modulation of physiological activities, active constituents and essential oil production of <i>Mentha arvensis</i> L. by concomitant application of depolymerised carrageenan, triacontanol and 28-homobrassinolide. <i>Journal of Essential Oil Research</i> , 2017, 29, 179-188.	1.3	25
38	Phosphorus ameliorates crop productivity, photosynthetic efficiency, nitrogen-fixation, activities of the enzymes and content of nutraceuticals of <i>Lablab purpureus</i> L.. <i>Scientia Horticulturae</i> , 2010, 126, 205-214.	1.7	24
39	Augmentation of photosynthesis, crop productivity, enzyme activities and alkaloids production in Sadabahar (<i>Catharanthus roseus</i> L.) through application of diverse plant growth regulators. <i>Journal of Crop Science and Biotechnology</i> , 2012, 15, 117-129.	0.7	24
40	Radiolytically degraded sodium alginate enhances plant growth, physiological activities and alkaloids production in <i>Catharanthus roseus</i> L.. <i>Journal of Radiation Research and Applied Sciences</i> , 2015, 8, 606-616.	0.7	22
41	Brassinosteroid-mediated enrichment in yield attributes, active constituents and essential oil production in <i>Mentha arvensis</i> L.. <i>Russian Agricultural Sciences</i> , 2012, 38, 106-113.	0.1	21
42	Brick kiln exhaust as a source of polycyclic aromatic hydrocarbons (PAHs) in the surrounding soil and plants: a case study from the city of Peshawar, Pakistan. <i>Arabian Journal of Geosciences</i> , 2014, 7, 13-19.	0.6	21
43	Salicylic acid-mediated alleviation of soil boron toxicity in <i>Mentha arvensis</i> and <i>Cymbopogon flexuosus</i> : Growth, antioxidant responses, essential oil contents and components. <i>Chemosphere</i> , 2021, 276, 130153.	4.2	21
44	Proliferating effect of radiolytically depolymerized carrageenan on physiological attributes, plant water relation parameters, essential oil production and active constituents of <i>Cymbopogon flexuosus</i> Steud. under drought stress. <i>PLoS ONE</i> , 2017, 12, e0180129.	1.1	20
45	Exogenous Strigolactone (GR24) Positively Regulates Growth, Photosynthesis, and Improves Glandular Trichome Attributes for Enhanced Artemisinin Production in <i>Artemisia annua</i> . <i>Journal of Plant Growth Regulation</i> , 2023, 42, 4606-4615.	2.8	19
46	Triacontanol Protects <i>Mentha arvensis</i> L. from Nickel-Instigated Repercussions by Escalating Antioxidant Machinery, Photosynthetic Efficiency and Maintaining Leaf Ultrastructure and Root Morphology. <i>Journal of Plant Growth Regulation</i> , 2021, 40, 1594-1612.	2.8	17
47	Augmentation of nutraceuticals, productivity and quality of ginger (<i>Zingiber officinale</i> Rosc.) through triacontanol application. <i>Plant Biosystems</i> , 2012, 146, 106-113.	0.8	16
48	Effects of gamma-irradiated sodium alginate on lemongrass: field trials monitoring production of essential oil. <i>Industrial Crops and Products</i> , 2015, 63, 269-275.	2.5	16
49	Arsenic Toxicity Induced Changes in Growth, Photosynthetic Pigments, Antioxidant Machinery, Essential Oil, Menthol and Other Active Constituents of Menthol Mint (<i>Mentha arvensis</i> L.). <i>Journal of Essential Oil-bearing Plants: JEOP</i> , 2019, 22, 1333-1348.	0.7	16
50	Alterations in photosynthetic pigments, antioxidant machinery, essential oil constituents and growth of menthol mint (<i>Mentha arvensis</i> L.) upon nickel exposure. <i>Revista Brasileira De Botanica</i> , 2020, 43, 721-731.	0.5	16
51	Impact of Long-Term Copper Exposure on Growth, Photosynthesis, Antioxidant Defence System and Artemisinin Biosynthesis in Soil-Grown <i>Artemisia annua</i> Genotypes. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2020, 104, 609-618.	1.3	16
52	RESPONSE OF TOMATO (<i>SOLANUM LYCOPERSICUM</i> L.) TO APPLICATION OF POTASSIUM AND TRIACONTANOL. <i>Acta Horticulturae</i> , 2009, , 199-208.	0.1	15
53	Exogenous hydrogen sulphide alleviates copper stress impacts in <i>Artemisia annua</i> L.: Growth, antioxidant metabolism, glandular trichome development and artemisinin biosynthesis. <i>Plant Biology</i> , 2022, 24, 642-651.	1.8	15
54	Simultaneous use of irradiated sodium alginate and nitrogen and phosphorus fertilizers enhance growth, biomass and artemisinin biosynthesis in <i>Artemisia annua</i> L.. <i>Journal of Applied Research on Medicinal and Aromatic Plants</i> , 2016, 3, 186-194.	0.9	14

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55	Mechanistic Insights into Strigolactone Biosynthesis, Signaling, and Regulation During Plant Growth and Development. <i>Journal of Plant Growth Regulation</i> , 2020, 40, 1836.	2.8	14
56	Radiation Processed Carrageenan Improves Plant Growth, Physiological Activities, and Alkaloids Production in <i>Catharanthus roseus</i> L.. <i>Advances in Botany</i> , 2015, 2015, 1-11.	3.4	13
57	Modulation of defence responses by improving photosynthetic activity, antioxidative metabolism, and vincristine and vinblastine accumulation in <i>Catharanthus roseus</i> (L.) G. Don through salicylic acid under water stress. <i>Russian Agricultural Sciences</i> , 2011, 37, 474-482.	0.1	12
58	Prediction of size distribution of crude oil drops in the permeate using a slotted pore membrane. <i>Chemical Engineering Research and Design</i> , 2014, 92, 2775-2781.	2.7	11
59	Optimizing nitrogen levels combined with gibberellic acid for enhanced yield, photosynthetic attributes, enzyme activities, and artemisinin content of <i>Artemisia annua</i> . <i>Frontiers of Agriculture in China</i> , 2011, 5, 51-59.	0.2	10
60	Exogenous triacontanol provides tolerance against arsenic-induced toxicity by scavenging ROS and improving morphology and physiological activities of <i>Mentha arvensis</i> L.. <i>Environmental Pollution</i> , 2022, 295, 118609.	3.7	10
61	Promotive effects of phosphorus on crop productivity, enzyme activities, anthraquinone and sennoside content in <i>Cassia tora</i> L. – a medicinal herb. <i>Journal of Plant Interactions</i> , 2009, 4, 49-57.	1.0	8
62	Calcium ameliorates photosynthetic capacity, nitrate reductase, carbonic anhydrase, nitrogen assimilation, yield and quality of <i>Cassia sophera</i> L. – a medicinal legume. <i>Physiology and Molecular Biology of Plants</i> , 2009, 15, 237-247.	1.4	8
63	Fuzzy models of topological relationships based on the PHI-descriptor. , 2016, , .		8
64	Silicon-mediated cellular resilience mechanisms against copper toxicity and glandular trichomes protection for augmented artemisinin biosynthesis in <i>Artemisia annua</i> . <i>Industrial Crops and Products</i> , 2020, 155, 112843.	2.5	8
65	Regulatory Role of Mineral Nutrients in Nurturing of Medicinal Legumes Under Salt Stress. , 2017, , 309-334.		7
66	Plant Efficacy and Alkaloids Production in Sadabahar (<i>Catharanthus roseus</i> L.): Role of Potent PGRs and Mineral Nutrients. , 2017, , 35-57.		5
67	Gibberellic acid and triacontanol can ameliorate the opium yield and morphine production in opium poppy (<i>Papaver somniferum</i> L.). <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2007, 57, 307-312.	0.3	4
68	Natural Polysaccharides: Novel Plant Growth Regulators. , 2021, , 335-354.		4
69	Intimidating Effects of Heavy Metals on <i>Mentha</i> Species and Their Mitigation Using Scientific Approaches. , 2020, , 305-325.		4
70	<i>Artemisia annua</i> : A Miraculous Herb to Cure Malaria. , 2014, , 27-49.		4
71	Acquisition of physiological modulations in medicinal plants through degraded natural polysaccharides under dynamic environment. , 2022, , 399-414.		3
72	The Accumulation and Degradation of Alkaloids in <i>Catharanthus roseus</i> Supported by Various External Agents Under Different Environmental Conditions. , 2017, , 321-329.		2

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73	Unraveling the Cumulative Effect of Soil-Applied Radiation-Processed Sodium Alginate and Polyacrylamide on Growth Attributes, Physiological Activities, and Alkaloids Production in Periwinkle [<i>Catharanthus roseus</i> (L.) G. Don]. , 2017, , 365-381.		2
74	Various Mitigation Approaches Applied to Confer Abiotic Stress Tolerance in Fenugreek (<i>Trigonella</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5		2
75	Growth, photosynthetic efficiency and metabolic alterations associated with exogenous hydrogen peroxide in <i>Artemisia annua</i> : Overproduction of artemisinin. Russian Agricultural Sciences, 2011, 37, 212-219.	0.1	1
76	Strategies for Enhancing Artemisinin Production in <i>Artemisia annua</i> Under Changing Environment. , 2017, , 227-246.		1
77	Exogenous Gibberellic Acid Supplementation Renders Growth and Yield Protection Against Salinity Induced Oxidative Damage Through Upregulating Antioxidant Metabolism in Fenugreek (<i>Trigonella</i>) Tj ETQq1 1 0.784314 rgBT /Overlock		1
78	Influence of Calcium on Crop Yield and Biochemical Attributes, Anthraquinone and Sennoside Contents of <i>Cassia tora</i> L. Roxb.â€™A Medicinal Legume. Journal of Herbs, Spices and Medicinal Plants, 2006, 12, 61-73.	0.5	0
79	Nutrient Uptake, Removal, and Cycling in <i>Eucalyptus</i> Species. , 2017, , 37-45.		0
80	Nutrients Requirement of Medicinal Plants of Dhofar Region of Oman. , 2017, , 71-80.		0
81	Fractions of gamma-irradiated sodium alginate enhance the growth, enzymatic activities, and essential oil production of lemongrass [<i>Cymbopogon flexuosus</i> (Steud.) Wats]. , 2022, , 257-272.		0
82	Fractions of radiation-processed chitosan induce growth, photosynthesis and secondary metabolism in Java citronella (<i>Cymbopogon winterianus</i> Jowitt). , 2022, , 273-298.		0
83	Improvement in growth, physiological attributes and essential oil production of <i>Vetiveria zizanioides</i> (L.) Nash mediated by soil-applied gamma-irradiated sodium alginate. , 2022, , 299-319.		0
84	Radiation-processed polysaccharides and the enrichment of medicinally imperative bioactive compounds in plants, a review. , 2022, , 227-256.		0