

Muhammad Amjad Nawaz

List of Publications by Citations

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52
papers

1,115
citations

18
h-index

32
g-index

57
ext. papers

1,530
ext. citations

3.5
avg, IF

4.46
L-index

#	Paper	IF	Citations
52	DNA molecular markers in plant breeding: current status and recent advancements in genomic selection and genome editing. <i>Biotechnology and Biotechnological Equipment</i> , 2018 , 32, 261-285	1.6	272
51	Environmental impacts of genetically modified plants: A review. <i>Environmental Research</i> , 2017 , 156, 818-833	4.3	68
50	Impact on environment, ecosystem, diversity and health from culturing and using GMOs as feed and food. <i>Food and Chemical Toxicology</i> , 2017 , 107, 108-121	4.7	53
49	Comparative genomic and transcriptomic analyses of Family-1 UDP glycosyltransferase in three Brassica species and Arabidopsis indicates stress-responsive regulation. <i>Scientific Reports</i> , 2018 , 8, 1875	4.9	52
48	Vanadium toxicity in chickpea (<i>Cicer arietinum</i> L.) grown in red soil: Effects on cell death, ROS and antioxidative systems. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 158, 139-144	7	47
47	Transcription factors WRKY11 and WRKY17 are involved in abiotic stress responses in Arabidopsis. <i>Journal of Plant Physiology</i> , 2018 , 226, 12-21	3.6	45
46	Mechanisms and molecular approaches for heat tolerance in rice (<i>Oryza sativa</i> L.) under climate change scenario. <i>Journal of Integrative Agriculture</i> , 2018 , 17, 726-738	3.2	39
45	Phytolith Formation in Plants: From Soil to Cell. <i>Plants</i> , 2019 , 8,	4.5	33
44	Genome-wide identification and expression analyses of WRKY transcription factor family members from chickpea (<i>Cicer arietinum</i> L.) reveal their role in abiotic stress-responses. <i>Genes and Genomics</i> , 2019 , 41, 467-481	2.1	32
43	Insights on Calcium-Dependent Protein Kinases (CPKs) Signaling for Abiotic Stress Tolerance in Plants. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	31
42	Redox and Ionic Homeostasis Regulations against Oxidative, Salinity and Drought Stress in Wheat (A Systems Biology Approach). <i>Frontiers in Genetics</i> , 2017 , 8, 141	4.5	29
41	Characterization of genetic diversity in Turkish common bean gene pool using phenotypic and whole-genome DArTseq-generated silicoDArT marker information. <i>PLoS ONE</i> , 2018 , 13, e0205363	3.7	29
40	Addressing concerns over the fate of DNA derived from genetically modified food in the human body: A review. <i>Food and Chemical Toxicology</i> , 2019 , 124, 423-430	4.7	28
39	Signal Transduction in Plant?Nematode Interactions. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	26
38	In-Depth Genomic and Transcriptomic Analysis of Five K Transporter Gene Families in Soybean Confirm Their Differential Expression for Nodulation. <i>Frontiers in Plant Science</i> , 2017 , 8, 804	6.2	21
37	Mobile genomic element diversity in world collection of safflower (<i>Carthamus tinctorius</i> L.) panel using iPBS-retrotransposon markers. <i>PLoS ONE</i> , 2019 , 14, e0211985	3.7	21
36	Genome-wide analysis of Family-1 UDP-glycosyltransferases in soybean confirms their abundance and varied expression during seed development. <i>Journal of Plant Physiology</i> , 2016 , 206, 87-97	3.6	20

35	Phenotypic Characterization of 183 Turkish Common Bean Accessions for Agronomic, Trading, and Consumer-Preferred Plant Characteristics for Breeding Purposes. <i>Agronomy</i> , 2020 , 10, 272	3.6	19
34	Genome and transcriptome-wide analyses of cellulose synthase gene superfamily in soybean. <i>Journal of Plant Physiology</i> , 2017 , 215, 163-175	3.6	17
33	Physiological and anthocyanin biosynthesis genes response induced by vanadium stress in mustard genotypes with distinct photosynthetic activity. <i>Environmental Toxicology and Pharmacology</i> , 2018 , 62, 20-29	5.8	16
32	Genetic diversity and population structure of Korean wild soybean (<i>Glycine soja</i> Sieb. and Zucc.) inferred from microsatellite markers. <i>Biochemical Systematics and Ecology</i> , 2017 , 71, 87-96	1.4	15
31	Genetic diversity assessment in <i>Nicotianatabacum</i> L. with iPBS-retrotransposons. <i>Turk Tarim Ve Ormancilik Dergisi/Turkish Journal of Agriculture and Forestry</i> , 2018 , 42, 154-164	2.2	15
30	Systems Identification and Characterization of Cell Wall Reassembly and Degradation Related Genes in <i>Glycine max</i> (L.) Merrill, a Bioenergy Legume. <i>Scientific Reports</i> , 2017 , 7, 10862	4.9	14
29	Transgenic crops for the agricultural improvement in Pakistan: a perspective of environmental stresses and the current status of genetically modified crops. <i>GM Crops and Food</i> , 2020 , 11, 1-29	2.7	14
28	Uncovering Phenotypic Diversity and DArTseq Marker Loci Associated with Antioxidant Activity in Common Bean. <i>Genes</i> , 2019 , 11,	4.2	13
27	Genome-wide characterization and expression pattern of auxin response factor (ARF) gene family in soybean and common bean. <i>Genes and Genomics</i> , 2016 , 38, 1165-1178	2.1	12
26	Characterization of Cellulose Synthase A (CESA) Gene Family in Eudicots. <i>Biochemical Genetics</i> , 2019 , 57, 248-272	2.4	12
25	Genome-wide identification and expression analysis of two component system genes in <i>Cicer arietinum</i> . <i>Genomics</i> , 2020 , 112, 1371-1383	4.3	12
24	Genome-wide analysis of spatiotemporal gene expression patterns during floral organ development in <i>Brassica rapa</i> . <i>Molecular Genetics and Genomics</i> , 2019 , 294, 1403-1420	3.1	10
23	Functional characterization of naturally occurring wild soybean mutant (sg-5) lacking astringent saponins using whole genome sequencing approach. <i>Plant Science</i> , 2018 , 267, 148-156	5.3	10
22	Isoflavone profile diversity in Korean wild soybeans (<i>Glycine soja</i> Sieb. & Zucc.). <i>Turk Tarim Ve Ormancilik Dergisi/Turkish Journal of Agriculture and Forestry</i> , 2018 , 42, 248-261	2.2	10
21	Korean Wild Soybeans (<i>Glycine soja</i> Sieb & Zucc.): Geographic Distribution and Germplasm Conservation. <i>Agronomy</i> , 2020 , 10, 214	3.6	9
20	Soyisoflavone diversity in wild soybeans (<i>Glycine soja</i> Sieb. & Zucc.) from the main centres of diversity. <i>Biochemical Systematics and Ecology</i> , 2018 , 77, 16-21	1.4	9
19	Investigation of morphoagronomic performance and selection indices in the international safflower panel for breeding perspectives. <i>Turk Tarim Ve Ormancilik Dergisi/Turkish Journal of Agriculture and Forestry</i> , 2020 , 44, 103-120	2.2	9
18	GMOs, Biodiversity and Ecosystem Processes. <i>Topics in Biodiversity and Conservation</i> , 2020 , 3-17	0.2	7

17	Identification and expression profiling of a new Chrysin synthase gene (GmBAS3) from soybean. <i>Russian Journal of Plant Physiology</i> , 2016 , 63, 383-390	1.6	6
16	Genome-wide identification, classification, expression profiling and DNA methylation (5mC) analysis of stress-responsive ZFP transcription factors in rice (<i>Oryza sativa</i> L.). <i>Gene</i> , 2019 , 718, 144018	3.8	5
15	Wild Soybeans: An Opportunistic Resource for Soybean Improvement 2018 ,		5
14	Molecular characterization of genetic diversity and similarity centers of safflower accessions with ISSR markers. <i>Revista Brasileira De Botanica</i> , 2020 , 43, 109-121	1.2	4
13	Molecular Elucidation of Two Novel Seed Specific Flavonoid Glycosyltransferases in Soybean 2018 , 61, 320-329		4
12	Laurel (<i>Laurus nobilis</i> L.): A Less-Known Medicinal Plant to the World with Diffusion, Genomics, Phenomics, and Metabolomics for Genetic Improvement 2018 , 631-653		3
11	Combined Application of Biochar and Biocontrol Agents Enhances Plant Growth and Activates Resistance Against <i>Meloidogyne incognita</i> in Tomato. <i>Gesunde Pflanzen</i> , 2021 , 73, 591	1.9	3
10	Dihydroquercetin increases the adaptive potential of wild soybean against copper sulfate and cadmium sulfate toxicity. <i>Turk Tarim Ve Ormancilik Dergisi/Turkish Journal of Agriculture and Forestry</i> , 2020 , 44, 492-499	2.2	2
9	In-silico Exploration of Channel Type and Efflux Silicon Transporters and Silicification Proteins in 80 Sequenced Viridiplantae Genomes. <i>Plants</i> , 2020 , 9,	4.5	2
8	In-Depth Genetic Diversity and Population Structure of Endangered Peruvian Amazon Rosewood Germplasm Using Genotyping by Sequencing (GBS) Technology. <i>Forests</i> , 2021 , 12, 197	2.8	2
7	Ribonuclease activity of Glycine max and Glycine soja sprouts as a marker adaptation to copper sulphate and zinc sulphate toxicity. <i>Biochemical Systematics and Ecology</i> , 2019 , 83, 66-70	1.4	1
6	Determination of Se content of 78 sesame accessions with different geographical origin. <i>Journal of Food Composition and Analysis</i> , 2020 , 94, 103621	4.1	1
5	Genome-Wide Identification and Expression Profiling of Potassium Transport-Related Genes in under Abiotic Stresses.. <i>Plants</i> , 2021 , 11,	4.5	1
4	Biochemical adaptation of wild and cultivated soybean against toxicity of lead salts. <i>Environmental Toxicology and Pharmacology</i> , 2020 , 79, 103429	5.8	0
3	Characterization of Gamma-Rays-Induced Spring Wheat Mutants for Morphological and Quality Traits through Multivariate and GT Bi-Plot Analysis. <i>Agronomy</i> , 2021 , 11, 2288	3.6	0
2	Genetically Modified Plants: Risks to Environment 2019 , 208-214		
1	Genetic architecture of wild soybean (<i>Glycine soja</i> Sieb. and Zucc.) populations originating from different East Asian regions. <i>Genetic Resources and Crop Evolution</i> , 2021 , 68, 1577-1588	2	