

# Rahmatullah Jan

## List of Publications by Year in descending order

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33  
papers

1,315  
citations

516710

16  
h-index

395702

33  
g-index

34  
all docs

34  
docs citations

34  
times ranked

913  
citing authors

#	ARTICLE	IF	CITATIONS
1	Unraveling the Genome Sequence of Plant Growth Promoting <i>Aspergillus niger</i> (CSR3) Provides Insight into the Synthesis of Secondary Metabolites and Its Comparative Genomics. <i>Journal of Fungi</i> (Basel, Switzerland), 2022, 8, 107.	3.5	7
2	Genotype and Phenotype Interaction between OsWKRYq6 and BLB after <i>Xanthomonas oryzae</i> pv. <i>Oryzae</i> Inoculation in the Field. <i>Plants</i> , 2022, 11, 287.	3.5	2
3	Endophytic fungus <i>Bipolaris</i> sp. CSL-1 induces salt tolerance in <i>Glycine max.</i> L via modulating its endogenous hormones, antioxidative system and gene expression. <i>Journal of Plant Interactions</i> , 2022, 17, 319-332.	2.1	16
4	Applications of CRISPR/Cas9 as New Strategies for Short Breeding to Drought Gene in Rice. <i>Frontiers in Plant Science</i> , 2022, 13, 850441.	3.6	14
5	The Plastome Sequences of <i>Triticum sphaerococcum</i> (ABD) and <i>Triticum turgidum</i> subsp. <i>durum</i> (AB) Exhibit Evolutionary Changes, Structural Characterization, Comparative Analysis, Phylogenomics and Time Divergence. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2783.	4.1	5
6	Drought and UV Radiation Stress Tolerance in Rice Is Improved by Overaccumulation of Non-Enzymatic Antioxidant Flavonoids. <i>Antioxidants</i> , 2022, 11, 917.	5.1	22
7	Identification of a Major QTL and Validation of Related Genes for Tiller Angle in Rice Based on QTL Analysis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5192.	4.1	4
8	QTL Mapping and Candidate Gene Analysis for Seed Germination Response to Low Temperature in Rice. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7379.	4.1	2
9	Discovery and Validation of a Novel Step Catalyzed by OsF3H in the Flavonoid Biosynthesis Pathway. <i>Biology</i> , 2021, 10, 32.	2.8	5
10	Halotolerant bacteria mitigate the effects of salinity stress on soybean growth by regulating secondary metabolites and molecular responses. <i>BMC Plant Biology</i> , 2021, 21, 176.	3.6	76
11	Plant Secondary Metabolite Biosynthesis and Transcriptional Regulation in Response to Biotic and Abiotic Stress Conditions. <i>Agronomy</i> , 2021, 11, 968.	3.0	256
12	Flavonone 3-hydroxylase Relieves Bacterial Leaf Blight Stress in Rice via Overaccumulation of Antioxidant Flavonoids and Induction of Defense Genes and Hormones. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6152.	4.1	26
13	The dynamic history of gymnosperm plastomes: Insights from structural characterization, comparative analysis, phylogenomics, and time divergence. <i>Plant Genome</i> , 2021, 14, e20130.	2.8	7
14	Over-Expression of Chorismate Mutase Enhances the Accumulation of Salicylic Acid, Lignin, and Antioxidants in Response to the White-Backed Planthopper in Rice Plants. <i>Antioxidants</i> , 2021, 10, 1680.	5.1	8
15	The Quantitative Trait Loci Mapping of Rice Plant and the Components of Its Extract Confirmed the Anti-Inflammatory and Platelet Aggregation Effects In Vitro and In Vivo. <i>Antioxidants</i> , 2021, 10, 1691.	5.1	2
16	Enhanced Flavonoid Accumulation Reduces Combined Salt and Heat Stress Through Regulation of Transcriptional and Hormonal Mechanisms. <i>Frontiers in Plant Science</i> , 2021, 12, 796956.	3.6	35
17	Synergistic association of endophytic fungi enhances <i>Glycine max</i> L. resilience to combined abiotic stresses: Heavy metals, high temperature and drought stress. <i>Industrial Crops and Products</i> , 2020, 143, 111931.	5.2	120
18	Screening and Identification of Brown Planthopper Resistance Genes OsCM9 in Rice. <i>Agronomy</i> , 2020, 10, 1865.	3.0	7

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19	Overexpression of OsCM alleviates BLB stress via phytohormonal accumulation and transcriptional modulation of defense-related genes in <i>Oryza sativa</i> . <i>Scientific Reports</i> , 2020, 10, 19520.	3.3	17
20	Complete Chloroplast Genome Characterization of <i>Oxalis Corniculata</i> and Its Comparison with Related Species from Family Oxalidaceae. <i>Plants</i> , 2020, 9, 928.	3.5	12
21	Modulation of sugar and nitrogen in callus induction media alter PAL pathway, SA and biomass accumulation in rice callus. <i>Plant Cell, Tissue and Organ Culture</i> , 2020, 143, 517-530.	2.3	5
22	Overexpression of OsF3H modulates WBPH stress by alteration of phenylpropanoid pathway at a transcriptomic and metabolomic level in <i>Oryza sativa</i> . <i>Scientific Reports</i> , 2020, 10, 14685.	3.3	35
23	Thermotolerance effect of plant growth-promoting <i>Bacillus cereus</i> SA1 on soybean during heat stress. <i>BMC Microbiology</i> , 2020, 20, 175.	3.3	147
24	Extending thermotolerance to tomato seedlings by inoculation with SA1 isolate of <i>Bacillus cereus</i> and comparison with exogenous humic acid application. <i>PLoS ONE</i> , 2020, 15, e0232228.	2.5	59
25	Effect of Silicate and Phosphate Solubilizing Rhizobacterium <i>Enterobacter ludwigii</i> GAK2 on <i>Oryza sativa</i> L. under Cadmium Stress. <i>Journal of Microbiology and Biotechnology</i> , 2020, 30, 118-126.	2.1	40
26	Gravistimulation effects on <i>Oryza sativa</i> amino acid profile, growth pattern and expression of OsPIN genes. <i>Scientific Reports</i> , 2020, 10, 17303.	3.3	4
27	Halo-tolerant rhizospheric <i>Arthrobacter woluwensis</i> AK1 mitigates salt stress and induces physio-hormonal changes and expression of GmST1 and GmLAX3 in soybean. <i>Symbiosis</i> , 2019, 77, 9-21.	2.3	47
28	Analysis of quantitative trait loci (QTLs) associated with wettability in rice ( <i>Oryza sativa</i> L.). <i>Euphytica</i> , 2019, 215, 1.	1.2	1
29	Halotolerant Rhizobacterial Strains Mitigate the Adverse Effects of NaCl Stress in Soybean Seedlings. <i>BioMed Research International</i> , 2019, 2019, 1-15.	1.9	69
30	Metal Resistant Endophytic Bacteria Reduces Cadmium, Nickel Toxicity, and Enhances Expression of Metal Stress Related Genes with Improved Growth of <i>Oryza Sativa</i> , via Regulating Its Antioxidant Machinery and Endogenous Hormones. <i>Plants</i> , 2019, 8, 363.	3.5	111
31	Rhizobacteria AK1 remediates the toxic effects of salinity stress via regulation of endogenous phytohormones and gene expression in soybean. <i>Biochemical Journal</i> , 2019, 476, 2393-2409.	3.7	36
32	Salt tolerance of <i>Glycine max</i> .L induced by endophytic fungus <i>Aspergillus flavus</i> CSH1, via regulating its endogenous hormones and antioxidative system. <i>Plant Physiology and Biochemistry</i> , 2018, 128, 13-23.	5.8	84
33	Ethno-medicinal survey of important plants practiced by indigenous community at Ladha subdivision, South Waziristan agency, Pakistan. <i>Journal of Ethnobiology and Ethnomedicine</i> , 2016, 12, 53.	2.6	32