

# Arif Hasan Khan Robin

## List of Publications by Year in descending order

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73  
papers

1,045  
citations

471371

17  
h-index

501076

28  
g-index

75  
all docs

75  
docs citations

75  
times ranked

1102  
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of Melatonin in Inducing the Physiological and Biochemical Processes Associated with Heat Stress Tolerance in Tall Fescue ( <i>Festuca arundinaceus</i> ). <i>Journal of Plant Growth Regulation</i> , 2022, 41, 2759-2768.	2.8	9
2	Evaluation of hybrid rice parental lines against bacterial blight disease and detection of resistant gene (s) by gene-specific, linked markers. <i>Journal of Phytopathology</i> , 2022, 170, 382-390.	0.5	2
3	Genome-wide analysis of <i>Solanum lycopersicum</i> L. cyclophilins. <i>Journal of Plant Biotechnology</i> , 2022, 49, 15-29.	0.1	0
4	Effects of daughter tiller removal on shoot and root growth of the parent tiller in <i>Lolium perenne</i> . , 2022, 1, 103-110.		0
5	Comparative Study of Early and Late Maturing Rapeseed and Mustard Genotypes for Yield-related Traits and Fatty Acid Profiles. <i>Journal of the Bangladesh Agricultural University</i> , 2021, 19, 310.	0.1	0
6	Genome-wide characterization and expression profiling of EIN3/EIL family genes in <i>Zea mays</i> . <i>Plant Gene</i> , 2021, 25, 100270.	1.4	8
7	5-aminolevulinic acid-mediated plant adaptive responses to abiotic stress. <i>Plant Cell Reports</i> , 2021, 40, 1451-1469.	2.8	35
8	PEG-Induced Osmotic Stress Alters Root Morphology and Root Hair Traits in Wheat Genotypes. <i>Plants</i> , 2021, 10, 1042.	1.6	13
9	Time Course of Root Axis Elongation and Lateral Root Formation in Perennial Ryegrass ( <i>Lolium</i> Tj ETQq1 1 0.784314 rgBT /Oyerlock 1	1.6	3
10	Genome-wide identification, genomic organization, and expression profiling of the CONSTANS-like (COL) gene family in petunia under multiple stresses. <i>BMC Genomics</i> , 2021, 22, 727.	1.2	8
11	In silico analysis and expression profiling revealed Rlm1 blackleg disease-resistant genes in Chromosome 6 of <i>Brassica oleracea</i> . <i>Horticulture Environment and Biotechnology</i> , 2021, 62, 969-983.	0.7	1
12	SEED PRIMING AND EXOGENOUS APPLICATION OF SALICYLIC ACID ENHANCE GROWTH AND PRODUCTIVITY OF OKRA ( <i>Abelmoschus esculentus</i> L.) BY REGULATING PHOTOSYNTHETIC ATTRIBUTES. <i>Journal of Experimental Biology and Agricultural Sciences</i> , 2021, 9, 759-769.	0.1	5
13	In silico characterization and expression of disease-resistance-related genes within the collinear region of <i>Brassica napus</i> blackleg resistant locus LepR1 in <i>B. oleracea</i> . <i>Journal of General Plant Pathology</i> , 2020, 86, 442-456.	0.6	4
14	Expression and Role of Biosynthetic, Transporter, Receptor, and Responsive Genes for Auxin Signaling during Clubroot Disease Development. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5554.	1.8	6
15	<i>Leptosphaeria maculans</i> Alters Glucosinolate Accumulation and Expression of Aliphatic and Indolic Glucosinolate Biosynthesis Genes in Blackleg Disease-Resistant and -Susceptible Cabbage Lines at the Seedling Stage. <i>Frontiers in Plant Science</i> , 2020, 11, 1134.	1.7	10
16	In-silico identification and differential expression of putative disease resistance-related genes within the collinear region of <i>Brassica napus</i> blackleg resistance locus LepR2™ in <i>Brassica oleracea</i> . <i>Horticulture Environment and Biotechnology</i> , 2020, 61, 879-890.	0.7	8
17	Glucosinolate Profile and Glucosinolate Biosynthesis and Breakdown Gene Expression Manifested by Black Rot Disease Infection in Cabbage. <i>Plants</i> , 2020, 9, 1121.	1.6	10
18	Embryo rescue response and genetic analyses in interspecific crosses of oilseed Brassica species. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2020, 56, 682-693.	0.9	6

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19	Transcriptome Analysis by RNA-Seq Reveals Genes Related to Plant Height in Two Sets of Parent-hybrid Combinations in Easter lily ( <i>Lilium longiflorum</i> ). <i>Scientific Reports</i> , 2020, 10, 9082.	1.6	19
20	Expression and Role of Response Regulating, Biosynthetic and Degrading Genes for Cytokinin Signaling during Clubroot Disease Development. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3896.	1.8	8
21	In-silico identification and differential expressions of LepR4-syntenic disease resistance related domain containing genes against blackleg causal fungus <i>Leptosphaeria maculans</i> in <i>Brassica oleracea</i> . <i>Gene Reports</i> , 2020, 19, 100598.	0.4	9
22	Genome-Wide Characterization and Expression Profiling of Plant-Specific PLATZ Transcription Factor Family Genes in <i>Brassica rapa</i> L.. <i>Plant Breeding and Biotechnology</i> , 2020, 8, 28-45.	0.3	16
23	Increasing New Root Length Reflects Survival Mechanism of Rice ( <i>Oryza sativa</i> L.) Genotypes under PEG-Induced Osmotic Stress. <i>Plant Breeding and Biotechnology</i> , 2020, 8, 46-57.	0.3	16
24	Root Development and Anti-Oxidative Response of Rice Genotypes under Polyethylene Glycol Induced Osmotic Stress. <i>Plant Breeding and Biotechnology</i> , 2020, 8, 151-162.	0.3	5
25	Polyethylene Glycol Induced Osmotic Stress Affects Germination and Seedling Establishment of Wheat Genotypes. <i>Plant Breeding and Biotechnology</i> , 2020, 8, 174-185.	0.3	4
26	Trait Association, Genetic Analyses and Fatty Acid Profiles in Oilseed Producing Rapeseed-Mustard ( <i>Brassica</i> spp.) Genotypes. <i>Plant Breeding and Biotechnology</i> , 2020, 8, 316-326.	0.3	1
27	Root Traits Differentiates Osmotic Stress Tolerant and Susceptible Wheat Genotypes under PEG-Treatment. <i>Biology and Life Sciences Forum</i> , 2020, 4, .	0.6	0
28	Morphological Evaluation and Genetic Analyses in Advanced Breeding Lines of Rapeseed-Mustard for Salinity Tolerance. <i>Journal of the Bangladesh Agricultural University</i> , 2020, , 1.	0.1	0
29	Salinity Stress Alters Root Morphology and Root Hair Traits in <i>Brassica napus</i> . <i>Plants</i> , 2019, 8, 192.	1.6	74
30	Wheat blast disease: Bangladesh and global perspectives of blast resistance. <i>Journal of the Bangladesh Agricultural University</i> , 2019, 17, 122-132.	0.1	2
31	Characterization of blast resistance related protein domains in wheat for molecular marker development. <i>Journal of the Bangladesh Agricultural University</i> , 2019, 17, 161-171.	0.1	0
32	Inheritance Pattern and Molecular Markers for Resistance to Blackleg Disease in Cabbage. <i>Plants</i> , 2019, 8, 583.	1.6	9
33	Mapping of a novel clubroot resistance QTL using ddRAD-seq in Chinese cabbage ( <i>Brassica rapa</i> L.). <i>BMC Plant Biology</i> , 2019, 19, 13.	1.6	55
34	Role of Cytokinins in Clubroot Disease Development. <i>Plant Breeding and Biotechnology</i> , 2019, 7, 73-82.	0.3	8
35	Identification and Characterization of Anthocyanin Biosynthesis-Related Genes in Kohlrabi. <i>Applied Biochemistry and Biotechnology</i> , 2018, 184, 1120-1141.	1.4	24
36	Modelling Carbon Fluxes as an Aid to Understanding Perennial Ryegrass ( <i>Lolium perenne</i> ) Root Dynamics. <i>Agronomy</i> , 2018, 8, 236.	1.3	6

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37	Glucosinolate Profiling and Expression Analysis of Glucosinolate Biosynthesis Genes Differentiate White Mold Resistant and Susceptible Cabbage Lines. <i>International Journal of Molecular Sciences</i> , 2018, 19, 4037.	1.8	21
38	Altered Glucosinolate Profiles and Expression of Glucosinolate Biosynthesis Genes in Ringspot-Resistant and Susceptible Cabbage Lines. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2833.	1.8	15
39	Varietal Identification of Open-Pollinated Onion Cultivars Using a Nanofluidic Array of Single Nucleotide Polymorphism (SNP) Markers. <i>Agronomy</i> , 2018, 8, 179.	1.3	2
40	Gummy Stem Blight Resistance in Melon: Inheritance Pattern and Development of Molecular Markers. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2914.	1.8	19
41	Screening of melon genotypes identifies gummy stem blight resistance associated with <i>Gsb1</i> resistant loci. <i>Journal of Plant Biotechnology</i> , 2018, 45, 217-227.	0.1	8
42	Race- and Isolate-specific Molecular Marker Development through Genome-Realignment Enables Detection of Korean <i>Plasmodiophora brassicae</i> Isolates, Causal agents of Clubroot Disease. <i>Plant Pathology Journal</i> , 2018, 34, 506-513.	0.7	6
43	Korean <i>Brassica oleracea</i> germplasm offers a novel source of qualitative resistance to blackleg disease. <i>European Journal of Plant Pathology</i> , 2017, 149, 611-623.	0.8	16
44	Genome-wide characterization and stress-responsive expression profiling of MCM genes in <i>Brassica oleracea</i> and <i>Brassica rapa</i> . <i>Journal of Plant Biology</i> , 2017, 60, 472-484.	0.9	3
45	Differential Expression under <i>Podosphaera xanthii</i> and Abiotic Stresses Reveals Candidate MLO Family Genes in <i>Cucumis melo</i> L. <i>Tropical Plant Biology</i> , 2017, 10, 151-168.	1.0	3
46	Glucosinolate Profiles in Cabbage Genotypes Influence the Preferential Feeding of Diamondback Moth ( <i>Plutella xylostella</i> ). <i>Frontiers in Plant Science</i> , 2017, 8, 1244.	1.7	34
47	<i>Leptosphaeria maculans</i> Alters Glucosinolate Profiles in Blackleg Disease-Resistant and -Susceptible Cabbage Lines. <i>Frontiers in Plant Science</i> , 2017, 8, 1769.	1.7	19
48	Genome-wide analysis and expression profiling of zinc finger homeodomain (ZHD) family genes reveal likely roles in organ development and stress responses in tomato. <i>BMC Genomics</i> , 2017, 18, 695.	1.2	46
49	Whole-Genome Re-Alignment Facilitates Development of Specific Molecular Markers for Races 1 and 4 of <i>Xanthomonas campestris</i> pv. <i>campestris</i> , the Cause of Black Rot Disease in <i>Brassica oleracea</i> . <i>International Journal of Molecular Sciences</i> , 2017, 18, 2523.	1.8	17
50	Identification, Characterization and Expression Profiling of Stress-Related Genes in Easter Lily ( <i>Lilium</i> )	1.0	10
51	Detection of Ribosomal DNA Sequence Polymorphisms in the Protist <i>Plasmodiophora brassicae</i> for the Identification of Geographical Isolates. <i>International Journal of Molecular Sciences</i> , 2017, 18, 84.	1.8	15
52	Molecular Characterization and Expression Profiling of Tomato GRF Transcription Factor Family Genes in Response to Abiotic Stresses and Phytohormones. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1056.	1.8	44
53	Reply to the Letter to the Editor by A. Schwelm and S. Neuhauser: "Detection of Ribosomal DNA Sequence Polymorphisms in the Protist <i>Plasmodiophora brassicae</i> for the Identification of Geographical Isolates". <i>International Journal of Molecular Sciences</i> , 2017, 18, 1455.	1.8	2
54	Do Phytomer Turnover Models of Plant Morphology Describe Perennial Ryegrass Root Data from Field Swards?. <i>Agriculture (Switzerland)</i> , 2016, 6, 28.	1.4	7

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55	Genome-Wide Identification, Characterization and Expression Profiling of ADF Family Genes in <i>Solanum lycopersicum</i> L.. <i>Genes</i> , 2016, 7, 79.	1.0	20
56	Exogenous Methyl Jasmonate and Salicylic Acid Induce Subspecies-Specific Patterns of Glucosinolate Accumulation and Gene Expression in <i>Brassica oleracea</i> L.. <i>Molecules</i> , 2016, 21, 1417.	1.7	54
57	Expression Profiling of Glucosinolate Biosynthetic Genes in <i>Brassica oleracea</i> L. var. <i>capitata</i> Inbred Lines Reveals Their Association with Glucosinolate Content. <i>Molecules</i> , 2016, 21, 787.	1.7	37
58	Genome-wide identification, characterization and expression profiling of LIM family genes in <i>Solanum lycopersicum</i> L.. <i>Plant Physiology and Biochemistry</i> , 2016, 108, 177-190.	2.8	19
59	Salinity-induced reduction in root surface area and changes in major root and shoot traits at the phytomer level in wheat. <i>Journal of Experimental Botany</i> , 2016, 67, 3719-3729.	2.4	96
60	Developmental and Genotypic Variation in Leaf Wax Content and Composition, and in Expression of Wax Biosynthetic Genes in <i>Brassica oleracea</i> var. <i>capitata</i> . <i>Frontiers in Plant Science</i> , 2016, 7, 1972.	1.7	24
61	Expression Profiling of MLO Family Genes under <i>Podosphaera xanthii</i> Infection and Exogenous Application of Phytohormones in <i>Cucumis melo</i> L.. <i>Journal of Life Science</i> , 2016, 26, 419-430.	0.2	4
62	Parentage Confirmation of Korean Bred Pear Cultivars by Simple Sequence Repeat SSR Genotyping and S-Genotypes Analysis. <i>Plant Breeding and Biotechnology</i> , 2016, 4, 198-211.	0.3	1
63	Characterization and Expression Analysis of Peroxidases and Glucan Synthase Like Genes in <i>Cucumis melo</i> L. <i>Plant Breeding and Biotechnology</i> , 2016, 4, 212-224.	0.3	1
64	Identification of a New Race and Development of DNA Markers Associated with Powdery Mildew in Melon. <i>Plant Breeding and Biotechnology</i> , 2016, 4, 225-233.	0.3	7
65	Optimizing the initial steps of immature endosperm culture of seeded banana ( <i>Musa sapientum</i> L.) cultivar Bhutia of Bangladesh. <i>Journal of Applied Horticulture</i> , 2016, 18, 34-38.	0.3	1
66	Polyethylene Glycol (PEG)-Treated Hydroponic Culture Reduces Length and Diameter of Root Hairs of Wheat Varieties. <i>Agronomy</i> , 2015, 5, 506-518.	1.3	18
67	Morphology of lateral roots of twelve rice cultivars of Bangladesh: dimension increase and diameter reduction in progressive root branching at the vegetative stage. <i>Plant Root</i> , 2015, 9, 34-42.	0.3	11
68	Diversity and Inheritance of Intergenic Spacer Sequences of 45S Ribosomal DNA among Accessions of <i>Brassica oleracea</i> L. var. <i>capitata</i> . <i>International Journal of Molecular Sciences</i> , 2015, 16, 28783-28799.	1.8	13
69	Identification and Expression Analysis of Glucosinolate Biosynthetic Genes and Estimation of Glucosinolate Contents in Edible Organs of <i>Brassica oleracea</i> Subspecies. <i>Molecules</i> , 2015, 20, 13089-13111.	1.7	61
70	Drought Affected Wheat Production in Bangladesh and Breeding Strategies for Drought Tolerance. , 0, , .		1
71	Adaptive Mechanisms of Root System of Rice for Withstanding Osmotic Stress. , 0, , .		2
72	Epidemiology, Genetics and Resistance of <i>Alternaria</i> Blight in Oilseed <i>Brassica</i> . , 0, , .		3

#	ARTICLE	IF	CITATIONS
73	Response of morphological and biochemical traits of maize genotypes under waterlogging stress. Journal of Phytology, 0, , 108-121.	0.3	1