

Raveendran Muthurajan

List of Publications by Year in descending order

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143
papers

3,170
citations

186265

28
h-index

182427

51
g-index

145
all docs

145
docs citations

145
times ranked

3502
citing authors

#	ARTICLE	IF	CITATIONS
1	Physiological and proteomic approaches to address heat tolerance during anthesis in rice (<i>Oryza</i>) Tj ETQq1 1 0.784314 rgBT /Overloc	4.8	468
2	Sourceâ€“sink dynamics and proteomic reprogramming under elevated night temperature and their impact on rice yield and grain quality. <i>New Phytologist</i> , 2013, 197, 825-837.	7.3	181
3	Analysis of Population Structure and Genetic Diversity in Rice Germplasm Using SSR Markers: An Initiative Towards Association Mapping of Agronomic Traits in <i>Oryza Sativa</i> . <i>Rice</i> , 2015, 8, 30.	4.0	156
4	Genetic Control of Plasticity in Root Morphology and Anatomy of Rice in Response to Water Deficit. <i>Plant Physiology</i> , 2017, 174, 2302-2315.	4.8	112
5	An integrated approach to maintaining cereal productivity under climate change. <i>Global Food Security</i> , 2016, 8, 9-18.	8.1	110
6	Over-expression of a NAC 67 transcription factor from finger millet (<i>Eleusine coracana</i> L.) confers tolerance against salinity and drought stress in rice. <i>BMC Biotechnology</i> , 2016, 16, 35.	3.3	101
7	Transcriptome analysis of salinity responsiveness in contrasting genotypes of finger millet (<i>Eleusine</i>) Tj ETQq1 1 0.784314 rgBT /Overloc	3.9	99
8	Understanding the molecular basis of plant growth promotional effect of <i>Pseudomonas fluorescens</i> on rice through protein profiling. <i>Proteome Science</i> , 2009, 7, 47.	1.7	95
9	Is early morning flowering an effective trait to minimize heat stress damage during flowering in rice?. <i>Field Crops Research</i> , 2017, 203, 238-242.	5.1	76
10	Spikelet Proteomic Response to Combined Water Deficit and Heat Stress in Rice (<i>Oryza sativa</i> cv. N22). <i>Rice</i> , 2011, 4, 1-11.	4.0	73
11	Creation of novel alleles of fragrance gene <i>OsBADH2</i> in rice through CRISPR/Cas9 mediated gene editing. <i>PLoS ONE</i> , 2020, 15, e0237018.	2.5	72
12	Physiological and Proteomic Responses of Rice Peduncles to Drought Stress. <i>Molecular Biotechnology</i> , 2011, 48, 173-182.	2.4	69
13	Tissue-Specific Expression and Drought Responsiveness of Cell-Wall Invertase Genes of Rice at Flowering. <i>Plant Molecular Biology</i> , 2005, 59, 945-964.	3.9	64
14	Pyramiding QTLs controlling tolerance against drought, salinity, and submergence in rice through marker assisted breeding. <i>PLoS ONE</i> , 2020, 15, e0227421.	2.5	62
15	Sugarcane proteomics: Establishment of a protein extraction method for 2â€“DE in stalk tissues and initiation of sugarcane proteome reference map. <i>Electrophoresis</i> , 2010, 31, 1959-1974.	2.4	57
16	The roots of future rice harvests. <i>Rice</i> , 2014, 7, 29.	4.0	57
17	ISSLS PRIZE IN CLINICAL SCIENCE 2017: Is infection the possible initiator of disc disease? An insight from proteomic analysis. <i>European Spine Journal</i> , 2017, 26, 1384-1400.	2.2	57
18	Mungbean yellow mosaic virus (MYMV): a threat to green gram (<i>Vigna radiata</i>) production in Asia. <i>International Journal of Pest Management</i> , 2014, 60, 314-324.	1.8	53

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19	Temperature thresholds for spikelet sterility and associated warming impacts for sub-tropical rice. <i>Agricultural and Forest Meteorology</i> , 2016, 221, 122-130.	4.8	48
20	Human intervertebral discs harbour a unique microbiome and dysbiosis determines health and disease. <i>European Spine Journal</i> , 2020, 29, 1621-1640.	2.2	48
21	Development and Genetic Characterization of A Novel Herbicide (Imazethapyr) Tolerant Mutant in Rice (<i>Oryza sativa</i> L.). <i>Rice</i> , 2017, 10, 10.	4.0	43
22	Whole Genome Characterization of a Few EMS-Induced Mutants of Upland Rice Variety Nagina 22 Reveals a Staggeringly High Frequency of SNPs Which Show High Phenotypic Plasticity Towards the Wild-Type. <i>Frontiers in Plant Science</i> , 2018, 9, 1179.	3.6	40
23	Marker assisted backcross breeding approach to improve blast resistance in Indian rice (<i>Oryza sativa</i>) variety ADT43. <i>Euphytica</i> , 2014, 200, 61-77.	1.2	39
24	Phenotype variations affect genetic association studies of degenerative disc disease: conclusions of analysis of genetic association of 58 single nucleotide polymorphisms with highly specific phenotypes for disc degeneration in 332 subjects. <i>Spine Journal</i> , 2013, 13, 1309-1320.	1.3	38
25	Exploring Phytochemicals of Traditional Medicinal Plants Exhibiting Inhibitory Activity Against Main Protease, Spike Glycoprotein, RNA-dependent RNA Polymerase and Non-Structural Proteins of SARS-CoV-2 Through Virtual Screening. <i>Frontiers in Pharmacology</i> , 2021, 12, 667704.	3.5	38
26	Quantifying rice spikelet sterility in potential heat-vulnerable regions: Field surveys in Laos and southern India. <i>Field Crops Research</i> , 2016, 190, 3-9.	5.1	36
27	Exploiting endophytic bacteria for the management of sheath blight disease in rice. <i>Biological Agriculture and Horticulture</i> , 2014, 30, 8-23.	1.0	32
28	Detection of QTLs associated with mungbean yellow mosaic virus (MYMV) resistance using the interspecific cross of <i>Vigna radiata</i> × <i>Vigna umbellata</i> . <i>Journal of Applied Genetics</i> , 2019, 60, 255-268.	1.9	31
29	Inflammaging determines health and disease in lumbar discs—evidence from differing proteomic signatures of healthy, aging, and degenerating discs. <i>Spine Journal</i> , 2020, 20, 48-59.	1.3	31
30	Screening of mungbean (<i>Vigna radiata</i>) germplasm for resistance to Mungbean yellow mosaic virus using agroinoculation. <i>Canadian Journal of Plant Pathology</i> , 2013, 35, 424-430.	1.4	27
31	Capturing heat stress induced variability in spikelet sterility using panicle, leaf and air temperature under field conditions. <i>Field Crops Research</i> , 2016, 190, 10-17.	5.1	25
32	Marker assisted selection of low phytic acid trait in maize (<i>Zea mays</i> L.). <i>Hereditas</i> , 2014, 151, 20-27.	1.4	24
33	Molecular Studies on the Transmission of Indian Cassava Mosaic Virus (ICMV) and Sri Lankan Cassava Mosaic Virus (SLCMV) in Cassava by Bemisia tabaci and Cloning of ICMV and SLCMV Replicase Gene from Cassava. <i>Molecular Biotechnology</i> , 2013, 53, 150-158.	2.4	23
34	Unraveling the nutritional and therapeutic properties of “Kavuni” a traditional rice variety of Tamil Nadu. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2015, 24, 305-315.	1.7	23
35	Introgression of QTLs Controlling Spikelet Fertility Maintains Membrane Integrity and Grain Yield in Improved White Ponni Derived Progenies Exposed to Heat Stress. <i>Rice Science</i> , 2017, 24, 32-40.	3.9	23
36	Identification of genomic SSRs in cluster bean (<i>Cyamopsis tetragonoloba</i>) and demonstration of their utility in genetic diversity analysis. <i>Industrial Crops and Products</i> , 2019, 133, 221-231.	5.2	22

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37	Differential Regulation of Defense-Related Gene Expression in Response to Red Rot Pathogen <i>Colletotrichum falcatum</i> Infection in Sugarcane. <i>Applied Biochemistry and Biotechnology</i> , 2013, 171, 488-503.	2.9	21
38	Molecular studies on mungbean (<i>Vigna radiata</i> (L.) Wilczek) and ricebean (<i>Vigna</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 712 To development of species-specific SCAR marker for ricebean. <i>Archives of Phytopathology and Plant Protection</i> , 2013, 46, 503-517.	1.3	21
39	Comparative Root Protein Profiles of Korean Ginseng (<i>Panax ginseng</i>) and Indian Ginseng (<i>Withania somnifera</i>). <i>The American Journal of Chinese Medicine</i> , 2012, 40, 203-218.	3.8	20
40	Introgression of submergence tolerance into CO 43, a popular rice variety of India, through marker-assisted backcross breeding. <i>Czech Journal of Genetics and Plant Breeding</i> , 2018, 54, 101-108.	0.8	20
41	Drought responsive transcriptome profiling in roots of contrasting rice genotypes. <i>Indian Journal of Plant Physiology</i> , 2018, 23, 393-407.	0.8	19
42	Mild preflowering drought priming improves stress defences, assimilation and sink strength in rice under severe terminal drought. <i>Functional Plant Biology</i> , 2018, 45, 827.	2.1	19
43	Search for <i>Vigna</i> species conferring resistance to Mungbean yellow mosaic virus in mungbean. <i>Plant Genetic Resources: Characterisation and Utilisation</i> , 2015, 13, 162-167.	0.8	17
44	Genetic enhancement of phosphorus starvation tolerance through marker assisted introgression of OsPSTOL1 gene in rice genotypes harbouring bacterial blight and blast resistance. <i>PLoS ONE</i> , 2018, 13, e0204144.	2.5	17
45	Alleviating shoot tip necrosis during in vitro propagation of grape cv. Red Globe. <i>Scientia Horticulturae</i> , 2019, 248, 118-125.	3.6	17
46	Screening of IR50—Rathu Heenati F7 RILs and Identification of SSR Markers Linked to Brown Planthopper (<i>Nilaparvata lugens</i> Stål) Resistance in Rice (<i>Oryza sativa</i> L.). <i>Molecular Biotechnology</i> , 2010, 46, 63-71.	2.4	16
47	Development of salinity tolerant version of a popular rice variety improved white ponni through marker assisted back cross breeding. <i>Plant Physiology Reports</i> , 2019, 24, 262-271.	1.5	16
48	COMPARATIVE STUDIES ON THE IRON AND ZINC CONTENTS ESTIMATION USING ATOMIC ABSORPTION SPECTROPHOTOMETER AND GRAIN STAINING TECHNIQUES (PRUSSIAN BLUE AND DTZ) IN MAIZE GERMLASMS. <i>Journal of Plant Nutrition</i> , 2013, 36, 329-342.	1.9	15
49	Understanding the inheritance of mungbean yellow mosaic virus (MYMV) resistance in mungbean (<i>Vigna radiata</i> L. Wilczek). <i>Molecular Breeding</i> , 2017, 37, 1.	2.1	15
50	Leaf mass area determines water use efficiency through its influence on carbon gain in rice mutants. <i>Physiologia Plantarum</i> , 2020, 169, 194-213.	5.2	15
51	Large-Scale Non-Targeted Metabolomics Reveals Antioxidant, Nutraceutical and Therapeutic Potentials of Sorghum. <i>Antioxidants</i> , 2021, 10, 1511.	5.1	15
52	OsARD4 encoding an ascorbate oxidase improves root architecture in rice by promoting development of secondary roots. <i>Scientific Reports</i> , 2018, 8, 15713.	3.3	14
53	Induced Mutagenesis Enhances Lodging Resistance and Photosynthetic Efficiency of Kodomillet (<i>Paspalum Scrobiculatum</i>). <i>Agronomy</i> , 2020, 10, 227.	3.0	14
54	Fingerprinting of Rice Hybrids and their Parental Lines using Microsatellite Markers and their Utilization in Genetic Purity Assessment of Hybrid Rice. <i>Research Journal of Seed Science</i> , 2009, 2, 40-47.	0.3	14

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55	Screening and identification of random amplified polymorphic DNA (RAPD) markers linked to mungbean yellow mosaic virus (MYMV) resistance in mungbean (<i>Vigna radiata</i> (L.) Wilczek). Archives of Phytopathology and Plant Protection, 2012, 45, 712-716.	1.3	13
56	Screening for salinity stress tolerance in rice and finger millet genotypes using shoot Na ⁺ /K ⁺ ratio and leaf carbohydrate contents as key physiological traits. Indian Journal of Plant Physiology, 2014, 19, 156-160.	0.8	12
57	Marker-assisted introgression of lpa2 locus responsible for low phytic acid trait into an elite tropical maize inbred (<i>Zea mays</i> L.). Plant Breeding, 2014, 133, 566-578.	1.9	12
58	Modic changes are associated with activation of intense inflammatory and host defense response pathways – molecular insights from proteomic analysis of human intervertebral discs. Spine Journal, 2022, 22, 19-38.	1.3	12
59	Controlled Over-Expression of AtDREB1A Enhances Tolerance against Drought and Salinity in Rice. Agronomy, 2021, 11, 159.	3.0	12
60	Interaction between sugarcane and Colletotrichum falcatum causing red rot: Understanding disease resistance at transcription level. Sugar Tech, 2009, 11, 44-50.	1.8	11
61	Genome-wide understanding of evolutionary and functional relationships of rice Yellow Stripe-Like (YSL) transporter family in comparison with other plant species. Biologia (Poland), 2022, 77, 39-53.	1.5	11
62	Association and Heritability Studies for Drought Resistance under Varied Moisture Stress Regimes in Backcross Inbred Population of Rice. Rice Science, 2014, 21, 150-161.	3.9	10
63	Proteomic Signatures of Healthy Intervertebral Discs From Organ Donors: A Comparison With Previous Studies on Discs From Scoliosis, Animals, and Trauma. Neurospine, 2020, 17, 426-442.	2.9	10
64	Genetic dissection of high temperature stress tolerance using photosynthesis parameters in QTL introgressed lines of rice cv. Improved White Ponni. Indian Journal of Plant Physiology, 2018, 23, 741-747.	0.8	9
65	Temperature induction response (TIR) as a rapid screening protocol to dissect the genetic variability in acquired thermotolerance in rice and to identify novel donors for high temperature stress tolerance. Indian Journal of Plant Physiology, 2015, 20, 368-374.	0.8	8
66	Allele-specific analysis of single parent backcross population identifies HOX10 transcription factor as a candidate gene regulating rice root growth. Physiologia Plantarum, 2019, 166, 596-611.	5.2	8
67	Uncovering molecular targets for regenerative therapy in degenerative disc disease: do small leucine-rich proteoglycans hold the key?. Spine Journal, 2021, 21, 5-19.	1.3	8
68	Environmental impact of phytic acid in Maize (<i>Zea mays</i> . L) genotypes for the identification of stable inbreds for low phytic acid. Physiology and Molecular Biology of Plants, 2020, 26, 1477-1488.	3.1	7
69	Differential responses of sorghum genotypes to drought stress revealed by physio-chemical and transcriptional analysis. Molecular Biology Reports, 2021, 48, 2453-2462.	2.3	7
70	Comparative transcriptome and metabolome profiling in the maturing seeds of contrasting cluster bean (<i>Cyamopsis tetragonoloba</i> L. Taub) cultivars identified key molecular variations leading to increased gum accumulation. Gene, 2021, 791, 145727.	2.2	7
71	Proteomic Signature of Nucleus Pulposus in Fetal Intervertebral Disc. Asian Spine Journal, 2020, 14, 409-420.	2.0	7
72	Molecular Mechanism of Salt Tolerance for Genetic Diversity Analysed in Association with Na ⁺ /K ⁺ Ratio through SSR Markers in Rice (<i>Oryza sativa</i> L.). International Journal of Agricultural Research, 2010, 5, 708-719.	0.1	7

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73	Determination of lethal dose and effect of physical mutagen on germination percentage and seedling parameters in kodomillet variety CO 3. <i>Electronic Journal of Plant Breeding</i> , 2016, 7, 1122.	0.1	7
74	An early-morning flowering trait in rice can enhance grain yield under heat stress field conditions at flowering stage. <i>Field Crops Research</i> , 2022, 277, 108400.	5.1	7
75	Walking through crossroads—rice responses to heat and biotic stress interactions. <i>Theoretical and Applied Genetics</i> , 2022, 135, 4065-4081.	3.6	7
76	Characterization of cucumber mosaic virus (CMV) subgroup IB infecting chilli in Tamil Nadu, India. <i>3 Biotech</i> , 2020, 10, 500.	2.2	6
77	Agrobacterium-Mediated Transformation of indica Rice (<i>Oryza sativa</i> L.), IR64 with Mungbean LEA Protein Gene for Water-Stress Tolerance. <i>American Journal of Plant Physiology</i> , 2008, 3, 101-110.	0.2	6
78	Genome editing of indica rice ASD16 for imparting resistance against rice tungro disease. <i>Journal of Plant Biochemistry and Biotechnology</i> , 0, , 1.	1.7	6
79	Dynamic Transcriptome Profiling of Mungbean Genotypes Unveil the Genes Respond to the Infection of Mungbean Yellow Mosaic Virus. <i>Pathogens</i> , 2022, 11, 190.	2.8	6
80	A Comparative Metabolomic Analysis Reveals the Nutritional and Therapeutic Potential of Grains of the Traditional Rice Variety Mappillai Samba. <i>Plants</i> , 2022, 11, 543.	3.5	6
81	Assessment of crtRB1 Polymorphism Associated with Increased β -Carotene Content in Maize (<i>Zea mays</i> L.) Seeds. <i>Food Biotechnology</i> , 2014, 28, 41-49.	1.5	5
82	Part 1: profiling extra cellular matrix core proteome of human fetal nucleus pulposus in search for regenerative targets. <i>Scientific Reports</i> , 2020, 10, 15684.	3.3	5
83	Gamma irradiation to induce beneficial mutants in proso millet (<i>Panicum miliaceum</i> L.): an underutilized food crop. <i>International Journal of Radiation Biology</i> , 2022, 98, 1277-1288.	1.8	5
84	Transcriptional analysis of molecular interactions between <i>Pseudomonas fluorescens</i> strain TDK1, <i>Oryza sativa</i> and <i>Cnaphalocrocis medinalis</i> . <i>Journal of Applied Entomology</i> , 2010, 134, 762-773.	1.8	4
85	Breeding Rice Varieties for Abiotic Stress Tolerance: Challenges and Opportunities. , 2017, , 339-361.		4
86	QTL mapping for sorghum downy mildew disease resistance in maize (<i>Zea mays</i> L.) in recombinant inbred line population of UMI79 X UMI936 (w). <i>Current Plant Biology</i> , 2019, 20, 100124.	4.7	4
87	Profiling extra cellular matrix associated proteome of human fetal nucleus pulposus in search for regenerative targets. <i>Scientific Reports</i> , 2021, 11, 19013.	3.3	4
88	Character association and stress indices for yield components in Saltol introgressed backcross inbred lines of rice (<i>Oryza sativa</i> L.). <i>Indian Journal of Agricultural Research</i> , 2018, , .	0.1	4
89	Genotypic Variation in Forage Linked Morphological and Biochemical Traits in Hybrid Parents of Pearl Millet. <i>Animal Nutrition and Feed Technology</i> , 2018, 18, 163.	0.2	4
90	Bacteria in human lumbar discs — subclinical infection or contamination? Metabolomic evidence for colonization, multiplication, and cell-cell cross-talk of bacteria. <i>Spine Journal</i> , 2023, 23, 163-177.	1.3	4

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91	Subclinical infection can be an initiator of inflammaging leading to degenerative disk disease: evidence from host-defense response mechanisms. <i>European Spine Journal</i> , 2021, 30, 2586-2604.	2.2	3
92	Pyramiding Genes for Enhancing Tolerance to Abiotic and Biotic Stresses. , 2010, , 163-184.		3
93	Haploid embryogenesis and molecular detection of somatic embryogenesis receptor-like kinase (TcSERK) genes in sliced ovary cultures of cocoa (<i>Theobroma cacao</i> L.). <i>Plant Biotechnology Reports</i> , 2022, 16, 283-297.	1.5	3
94	Proteome analysis of in vitro and in vivo root tissue of <i>Withania somnifera</i> . <i>African Journal of Biotechnology</i> , 2011, 10, .	0.6	2
95	Conserved sequence of replicase gene mediated resistance in <i>Nicotiana tabacum</i> L. cv Abirami through RNA silencing. <i>European Journal of Plant Pathology</i> , 2015, 142, 865-874.	1.7	2
96	Proteomic analysis of compatible and incompatible interactions of wheat with <i>Puccinia triticina</i> . <i>Physiological and Molecular Plant Pathology</i> , 2016, 96, 36-46.	2.5	2
97	Physiological analysis of C3 rice [<i>Oryza sativa</i> (L.)] and C4 millet [<i>Setaria italica</i> (L.)] to identify photosynthetically efficient plants. <i>Indian Journal of Plant Physiology</i> , 2018, 23, 193-200.	0.8	2
98	Relative contribution of stomatal parameters in influencing WUE among rice mutants differing in leaf mass area. <i>Plant Physiology Reports</i> , 2020, 25, 483-495.	1.5	2
99	Characterization of crtRB1 Gene Polymorphism and β -Carotene Content in Maize Landraces Originated From North Eastern Himalayan Region (NEHR) of India. <i>Frontiers in Sustainable Food Systems</i> , 2020, 4, .	3.9	2
100	Population structure of whitefly (<i>Bemisia tabaci</i>) and the link between vector dynamics and seasonal incidence of yellow mosaic disease in blackgram (<i>Vigna mungo</i>). <i>Entomologia Experimentalis Et Applicata</i> , 2021, 169, 403-412.	1.4	2
101	Evaluation of Saltol QTL Introgression in Rice: A Study on Co-Existence of Salinity Tolerance and Phytoremediation Effect. <i>International Journal of Current Microbiology and Applied Sciences</i> , 2017, 6, 303-309.	0.1	2
102	Comparative profiling of volatile compounds in the grains of rice varieties differing in their aroma. <i>Electronic Journal of Plant Breeding</i> , 2019, 10, 614.	0.1	2
103	Influence of endplate avulsion and Modic changes on the inflammation profile of herniated discs: a proteomic and bioinformatic approach. <i>European Spine Journal</i> , 2022, 31, 389-399.	2.2	2
104	Optimization of tissue culture protocol for rapid regeneration of traditional therapeutic rice genotype "Kavuni"™. <i>Electronic Journal of Plant Breeding</i> , 2019, 10, 334.	0.1	2
105	Introgression of Sub1 QTL alters aerenchyma-mediated gas exchange and stored carbohydrates to maintain yield under flooding stress in rice. <i>Journal of Crop Science and Biotechnology</i> , 2023, 26, 39-49.	1.5	2
106	Starch content and cassava mosaic disease genetic diversity with relation to yield in south Indian cassava (<i>Manihot esculenta</i> Crantz) germplasm. <i>Journal of Crop Science and Biotechnology</i> , 2011, 14, 179-189.	1.5	1
107	Phenomics: Technologies and Applications in Plant and Agriculture. , 2015, , 385-411.		1
108	Chlorophyll fluorescence and photosynthetic gas exchange in submergent tolerant CO 43 Sub1 lines. <i>Plant Physiology Reports</i> , 2020, 25, 245-254.	1.5	1

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109	Evaluation of drought tolerance in backcross inbred lines of rice genotypes based on selection indices. Indian Journal of Genetics and Plant Breeding, 2016, 76, 290.	0.5	1
110	Effect of QTLs controlling grain yield under drought stress in the genetic background of ADT45 rice variety. Indian Journal of Genetics and Plant Breeding, 2014, 74, 374.	0.5	1
111	Exploitation of induced variation for enhancing the biomass production in rice (<i>Oryza sativa</i> L.). Electronic Journal of Plant Breeding, 2018, 9, 1512.	0.1	1
112	qDTY3.1, a major drought tolerant locus of APO promotes early flowering in the genetic back ground of a local cultivar improved white ponni. Electronic Journal of Plant Breeding, 2019, 10, 155.	0.1	1
113	CO 52 (IET 25487): A highly remunerative medium duration fine grain rice variety. Electronic Journal of Plant Breeding, 2019, 10, 1148.	0.1	1
114	Molecular tagging of a novel genetic locus linked to accumulation of lutein " A therapeutic carotenoid in rice grains. Indian Journal of Genetics and Plant Breeding, 2020, 80, .	0.5	1
115	Development of novel SSR markers derived from genomic and transcriptomic data of <i>Moringa oleifera</i> L. var. PKM1 and their applicability. Journal of Horticultural Science and Biotechnology, 2022, 97, 487-495.	1.9	1
116	Pilot scale genome wide association mapping identified novel loci for grain yield traits in rice. Plant Physiology Reports, 2022, 27, 11-21.	1.5	1
117	Single-Cell Omics Approaches in Plants. , 2019, , 255-275.		0
118	Can Scoliotic Discs Be Controls for Molecular Studies in Intervertebral Disc Research? Insights From Proteomics. Global Spine Journal, 2020, , 219256822095903.	2.3	0
119	Screening of Saltol introgressed backcross inbred lines of rice under hydroponic condition for salinity tolerance. Cereal Research Communications, 2021, 49, 235-243.	1.6	0
120	Gene expression analysis and data mining from microarray analysis applied to drought stress in rice. , 2009, , 275-298.		0
121	Identification of Drought Tolerant Genotypes in Backcross Inbred Lines of Rice using Drought Indices. Vegetos, 2013, 26, 307.	1.5	0
122	Estimation of gas exchange parameters in backcross introgressed lines of rice (<i>Oryza sativa</i> L.) with different combinations of drought qtls. Applied Biological Research, 2016, 18, 106.	0.2	0
123	Molecular tagging of genomic regions influencing root phenomics for improving drought resistance in rice. Electronic Journal of Plant Breeding, 2017, 8, 1059.	0.1	0
124	Validating effect of QTLs and identifying breeder friendly markers for manipulating grain length in local rice (<i>Oryza sativa</i> L.) genotypes. Electronic Journal of Plant Breeding, 2018, 9, 1130.	0.1	0
125	Evaluation of saltol introgressed back cross inbred lines for salinity tolerance in rice (<i>Oryza</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.1	0
126	Determination of genetic divergence based on morphological traits in sesame (<i>Sesamum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 T	0.1	0

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127	Genetic diversity study in germplasm lines of sesamum (<i>Sesamum indicum</i> L.). Electronic Journal of Plant Breeding, 2019, 10, 772.	0.1	0
128	Morphological characterization of mutant lines of Nagina22 in rice (<i>Oryza sativa</i> L.). Electronic Journal of Plant Breeding, 2019, 10, 559.	0.1	0
129	Marker assisted introgression for brown planthopper resistance genes <i>Bph20</i> and <i>Bph21</i> in CO43 <i>Sub1</i> variety of rice. Electronic Journal of Plant Breeding, 2019, 10, 645.	0.1	0
130	Phenotypic evaluation and gene expression analysis of metal homeostasis genes in barnyard millet (<i>Echinochloa frumentaceae</i>) lines. Electronic Journal of Plant Breeding, 2019, 10, 1415.	0.1	0
131	Evaluation of recombinant inbred lines of IR20 and Nootripathu for root traits. Electronic Journal of Plant Breeding, 2019, 10, 653.	0.1	0
132	Subclinical Infection and Disc Dysbiosis as a Cause of Degenerative Disc Disease and Low Back Pain. SSRN Electronic Journal, 0, , .	0.4	0
133	Enhancing Abiotic Stress Tolerance in Plants Through Genome Editing. Concepts and Strategies in Plant Sciences, 2020, , 91-117.	0.5	0
134	Genetic dissection of false smut resistance in rice through Genome Wide Association Mapping. Journal of Phytopathology, 2022, 170, 282-299.	1.0	0
135	Genome wide identification of mungbean (<i>Vigna radiata</i> [L.] R. Wilczek) Late Embryogenesis Abundant (LEA) protein gene family. Israel Journal of Plant Sciences, 2021, 69, 79-86.	0.5	0
136	Title is missing!. , 2020, 15, e0227421.		0
137	Title is missing!. , 2020, 15, e0227421.		0
138	Title is missing!. , 2020, 15, e0227421.		0
139	Title is missing!. , 2020, 15, e0227421.		0
140	Title is missing!. , 2020, 15, e0237018.		0
141	Title is missing!. , 2020, 15, e0237018.		0
142	Title is missing!. , 2020, 15, e0237018.		0
143	Title is missing!. , 2020, 15, e0237018.		0