

# Mohd Rafii Yusop

## List of Publications by Year in descending order

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234  
papers

6,007  
citations

87886

38  
h-index

114455

63  
g-index

239  
all docs

239  
docs citations

239  
times ranked

5525  
citing authors

#	ARTICLE	IF	CITATIONS
1	Principle and application of plant mutagenesis in crop improvement: a review. <i>Biotechnology and Biotechnological Equipment</i> , 2016, 30, 1-16.	1.3	373
2	Blast resistance in rice: a review of conventional breeding to molecular approaches. <i>Molecular Biology Reports</i> , 2013, 40, 2369-2388.	2.3	179
3	A Review of Microsatellite Markers and Their Applications in Rice Breeding Programs to Improve Blast Disease Resistance. <i>International Journal of Molecular Sciences</i> , 2013, 14, 22499-22528.	4.1	164
4	Importance of Silicon and Mechanisms of Biosilica Formation in Plants. <i>BioMed Research International</i> , 2015, 2015, 1-16.	1.9	157
5	Drought Resistance in Rice from Conventional to Molecular Breeding: A Review. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3519.	4.1	157
6	Marker-assisted backcrossing: a useful method for rice improvement. <i>Biotechnology and Biotechnological Equipment</i> , 2015, 29, 237-254.	1.3	153
7	Mining and Development of Novel SSR Markers Using Next Generation Sequencing (NGS) Data in Plants. <i>Molecules</i> , 2018, 23, 399.	3.8	141
8	Molecular Breeding Strategy and Challenges Towards Improvement of Blast Disease Resistance in Rice Crop. <i>Frontiers in Plant Science</i> , 2015, 6, 886.	3.6	114
9	Improvement of Drought Tolerance in Rice ( <i>Oryza sativa</i> L.): Genetics, Genomic Tools, and the WRKY Gene Family. <i>BioMed Research International</i> , 2018, 2018, 1-20.	1.9	111
10	Waterlogging Tolerance of Crops: Breeding, Mechanism of Tolerance, Molecular Approaches, and Future Prospects. <i>BioMed Research International</i> , 2013, 2013, 1-10.	1.9	107
11	Bacterial leaf blight resistance in rice: a review of conventional breeding to molecular approach. <i>Molecular Biology Reports</i> , 2019, 46, 1519-1532.	2.3	107
12	Multiple functional polymorphisms in a single disease resistance gene in rice enhance durable resistance to blast. <i>Scientific Reports</i> , 2014, 4, .	3.3	100
13	Molecular analysis of Hsp70 mechanisms in plants and their function in response to stress. <i>Biotechnology and Genetic Engineering Reviews</i> , 2017, 33, 26-39.	6.2	99
14	Fermentation Quality and Additives: A Case of Rice Straw Silage. <i>BioMed Research International</i> , 2016, 2016, 1-14.	1.9	83
15	Evaluation of Antioxidant Compounds, Antioxidant Activities, and Mineral Composition of 13 Collected Purslane ( <i>Portulaca oleracea</i> L.) Accessions. <i>BioMed Research International</i> , 2014, 2014, 1-10.	1.9	82
16	Effects of salinity and salinity-induced augmented bioactive compounds in purslane ( <i>Portulaca</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 14	8.2	79
17	Genetic Diversity of Aromatic Rice Germplasm Revealed By SSR Markers. <i>BioMed Research International</i> , 2018, 2018, 1-11.	1.9	70
18	Characterization of salt-tolerant plant growth-promoting rhizobacteria and the effect on growth and yield of saline-affected rice. <i>PLoS ONE</i> , 2020, 15, e0238537.	2.5	70

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19	Superabsorbent Polymer Hydrogels for Sustainable Agriculture: A Review. <i>Horticulturae</i> , 2022, 8, 605.	2.8	70
20	Molecular progress on the mapping and cloning of functional genes for blast disease in rice ( <i>Oryza sativa</i> ): current status and future considerations. <i>Critical Reviews in Biotechnology</i> , 2016, 36, 353-367.	9.0	65
21	Morphological Characterization and Assessment of Genetic Variability, Character Association, and Divergence in Soybean Mutants. <i>Scientific World Journal, The</i> , 2014, 2014, 1-12.	2.1	64
22	Understanding the shoot apical meristem regulation: A study of the phytohormones, auxin and cytokinin, in rice. <i>Mechanisms of Development</i> , 2015, 135, 1-15.	1.7	64
23	Relationship between High Temperature and Formation of Chalkiness and Their Effects on Quality of Rice. <i>BioMed Research International</i> , 2018, 2018, 1-18.	1.9	62
24	Capsaicin and Dihydrocapsaicin Determination in Chili Pepper Genotypes Using Ultra-Fast Liquid Chromatography. <i>Molecules</i> , 2014, 19, 6474-6488.	3.8	61
25	De novo assembly of transcriptomes, mining, and development of novel EST-SSR markers in <i>Curcuma alismatifolia</i> (Zingiberaceae family) through Illumina sequencing. <i>Scientific Reports</i> , 2019, 9, 3047.	3.3	61
26	Contribution of transposable elements in the plant's genome. <i>Gene</i> , 2018, 665, 155-166.	2.2	57
27	Biochemical, Genetic and Molecular Advances of Fragrance Characteristics in Rice. <i>Critical Reviews in Plant Sciences</i> , 2013, 32, 445-457.	5.7	55
28	Genetic Variability and Selection Criteria in Rice Mutant Lines as Revealed by Quantitative Traits. <i>Scientific World Journal, The</i> , 2014, 2014, 1-12.	2.1	55
29	Genetic Variation, Heritability, and Diversity Analysis of Upland Rice ( <i>Oryza sativa</i> ) Genotypes Based on Quantitative Traits. <i>BioMed Research International</i> , 2015, 2015, 1-7.	1.9	54
30	Phenotypic, genotypic and genetic divergence found in 48 newly collected Malaysian accessions of <i>Jatropha curcas</i> L.. <i>Industrial Crops and Products</i> , 2013, 42, 543-551.	5.2	53
31	SSRs for Marker-Assisted Selection for Blast Resistance in Rice ( <i>Oryza sativa</i> L.). <i>Plant Molecular Biology Reporter</i> , 2012, 30, 79-86.	1.8	51
32	Genotypic and Phenotypic Relationship among Yield Components in Rice under Tropical Conditions. <i>BioMed Research International</i> , 2018, 2018, 1-10.	1.9	49
33	Submergence Tolerance in Rice: Review of Mechanism, Breeding and, Future Prospects. <i>Sustainability</i> , 2020, 12, 1632.	3.2	49
34	Genetic Diversity of Upland Rice Germplasm in Malaysia Based on Quantitative Traits. <i>Scientific World Journal, The</i> , 2012, 2012, 1-9.	2.1	48
35	Marker-assisted selection and gene pyramiding for resistance to bacterial leaf blight disease of rice ( <i>Oryza sativa</i> ). <i>Biotechnology and Biotechnological Equipment</i> , 2019, 33, 440-455.	1.3	47
36	Effect of Temperature, Water Activity and Carbon Dioxide on Fungal Growth and Mycotoxin Production of Acclimatised Isolates of <i>Fusarium verticillioides</i> and <i>F. graminearum</i> . <i>Toxins</i> , 2020, 12, 478.	3.4	47

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37	Analysis of the genetic diversity of physic nut, <i>Jatropha curcas</i> L. accessions using RAPD markers. <i>Molecular Biology Reports</i> , 2012, 39, 6505-6511.	2.3	43
38	Agro-morphological characterization and assessment of variability, heritability, genetic advance and divergence in bacterial blight resistant rice genotypes. <i>South African Journal of Botany</i> , 2013, 86, 15-22.	2.5	43
39	AMMI and GGE biplot analysis for yield performance and stability assessment of selected Bambara groundnut ( <i>Vigna subterranea</i> L. Verdc.) genotypes under the multi-environmental trials (METs). <i>Scientific Reports</i> , 2021, 11, 22791.	3.3	43
40	Genotype × Environment interaction and stability analyses of yield and yield components of established and mutant rice genotypes tested in multiple locations in Malaysia. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2017, 67, 590-606.	0.6	41
41	Recurrent parent genome recovery analysis in a marker-assisted backcrossing program of rice ( <i>Oryza</i> ) Tj ETQq1 1 0,784314 rgBT /Ovele	0.2	40
42	Biochemical and Anatomical Changes and Yield Reduction in Rice ( <i>Oryza sativa</i> L.) under Varied Salinity Regimes. <i>BioMed Research International</i> , 2014, 2014, 1-11.	1.9	39
43	Breeding for Anthracnose Disease Resistance in Chili: Progress and Prospects. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3122.	4.1	39
44	Genetic improvement of Purslane ( <i>Portulaca oleracea</i> L.) and its future prospects. <i>Molecular Biology Reports</i> , 2014, 41, 7395-7411.	2.3	38
45	Review of functional markers for improving cooking, eating, and the nutritional qualities of rice. <i>Frontiers in Plant Science</i> , 2015, 6, 832.	3.6	38
46	Effect of Salinity on Biomass Yield and Physiological and Stem-Root Anatomical Characteristics of Purslane ( <i>Portulaca oleracea</i> L.) Accessions. <i>BioMed Research International</i> , 2015, 2015, 1-15.	1.9	38
47	Current advance methods for the identification of blast resistance genes in rice. <i>Comptes Rendus - Biologies</i> , 2015, 338, 321-334.	0.2	37
48	Advances to improve the eating and cooking qualities of rice by marker-assisted breeding. <i>Critical Reviews in Biotechnology</i> , 2016, 36, 87-98.	9.0	36
49	Effect of Salt-Tolerant Bacterial Inoculations on Rice Seedlings Differing in Salt-Tolerance under Saline Soil Conditions. <i>Agronomy</i> , 2020, 10, 1030.	3.0	36
50	Exploration of Bambara Groundnut ( <i>Vigna subterranea</i> (L.) Verdc.), an Underutilized Crop, to Aid Global Food Security: Varietal Improvement, Genetic Diversity and Processing. <i>Agronomy</i> , 2020, 10, 766.	3.0	36
51	Changes in growth and photosynthetic patterns of oil palm ( <i>Elaeis guineensis</i> Jacq.) seedlings exposed to short-term CO <sub>2</sub> enrichment in a closed top chamber. <i>Acta Physiologiae Plantarum</i> , 2010, 32, 305-313.	2.1	34
52	Analysis of simple sequence repeat markers linked with blast disease resistance genes in a segregating population of rice ( <i>Oryza sativa</i> ). <i>Genetics and Molecular Research</i> , 2011, 10, 1345-1355.	0.2	34
53	Bambara Groundnut ( <i>Vigna subterranea</i> L. Verdc): A Crop for the New Millennium, Its Genetic Diversity, and Improvements to Mitigate Future Food and Nutritional Challenges. <i>Sustainability</i> , 2021, 13, 5530.	3.2	34
54	Microsatellite and minisatellite markers based DNA fingerprinting and genetic diversity of blast and ufra resistant genotypes. <i>Comptes Rendus - Biologies</i> , 2011, 334, 282-289.	0.2	32

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55	Determination of optimum levels of nitrogen, phosphorus and potassium of oil palm seedlings in solution culture. <i>Bragantia</i> , 2015, 74, 247-254.	1.3	32
56	In vitro antioxidant and, $\alpha$ -glucosidase inhibitory activities and comprehensive metabolite profiling of methanol extract and its fractions from <i>Clinacanthus nutans</i> . <i>BMC Complementary and Alternative Medicine</i> , 2017, 17, 181.	3.7	31
57	Heritability and Genetic Advance among Chili Pepper Genotypes for Heat Tolerance and Morphophysiological Characteristics. <i>Scientific World Journal</i> , The, 2014, 2014, 1-14.	2.1	30
58	Introgression of Blast Resistance Genes (Putative Pi-b and Pi-kh) into Elite Rice Cultivar MR219 through Marker-Assisted Selection. <i>Frontiers in Plant Science</i> , 2015, 6, 1002.	3.6	30
59	Molecular markers: a potential resource for ginger genetic diversity studies. <i>Molecular Biology Reports</i> , 2016, 43, 1347-1358.	2.3	30
60	Genetic Variability, Heritability, and Clustering Pattern Exploration of Bambara Groundnut ( <i>Vigna</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 International, 2020, 2020, 1-31.	1.9	30
61	Intelligent mining of large-scale bio-data: Bioinformatics applications. <i>Biotechnology and Biotechnological Equipment</i> , 2018, 32, 10-29.	1.3	29
62	Genetic diversity and variability among pigmented rice germplasm using molecular marker and morphological traits. <i>Biotechnology and Biotechnological Equipment</i> , 2020, 34, 747-762.	1.3	29
63	Genetic variability of oil palm parental genotypes and performance of its $\text{\textcircled{TM}}$ progenies as revealed by molecular markers and quantitative traits. <i>Comptes Rendus - Biologies</i> , 2011, 334, 290-299.	0.2	28
64	Assessment of Agro-Morphologic Performance, Genetic Parameters and Clustering Pattern of Newly Developed Blast Resistant Rice Lines Tested in Four Environments. <i>Agronomy</i> , 2020, 10, 1098.	3.0	28
65	Expression of Target Gene Hsp70 and Membrane Stability Determine Heat Tolerance in Chili Pepper. <i>Journal of the American Society for Horticultural Science</i> , 2015, 140, 144-150.	1.0	28
66	Genetic dissection of rice blast resistance by QTL mapping approach using an F3 population. <i>Molecular Biology Reports</i> , 2013, 40, 2503-2515.	2.3	27
67	Growth Performance and Antioxidant Enzyme Activities of Advanced Mutant Rice Genotypes under Drought Stress Condition. <i>Agronomy</i> , 2018, 8, 279.	3.0	27
68	Critical multifunctional role of the <i>betaine aldehyde dehydrogenase</i> gene in plants. <i>Biotechnology and Biotechnological Equipment</i> , 2018, 32, 815-829.	1.3	26
69	Genetic Divergence and Heritability of 42 Coloured Upland Rice Genotypes ( <i>Oryzasativa</i> ) as Revealed by Microsatellites Marker and Agro-Morphological Traits. <i>PLoS ONE</i> , 2015, 10, e0138246.	2.5	26
70	Genetic Variability of Eggplant Germplasm Evaluated under Open Field and Glasshouse Cropping Conditions. <i>Agronomy</i> , 2020, 10, 436.	3.0	25
71	Genetic analysis and selection of Bambara groundnut ( <i>Vigna subterranea</i> [L.] Verdc.) landraces for high yield revealed by qualitative and quantitative traits. <i>Scientific Reports</i> , 2021, 11, 7597.	3.3	25
72	Genetic diversity analyzed by quantitative traits among rice ( <i>Oryza sativa</i> L.) genotypes resistant to blast disease. <i>African Journal of Microbiology Research</i> , 2011, 5, .	0.4	24

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73	Seed Yield of Mungbean ( <i>Vigna radiata</i> (L.) Wilczek) in relation to Growth and Developmental Aspects. Scientific World Journal, The, 2012, 2012, 1-7.	2.1	24
74	Genetic Dissection of New Genotypes of Drumstick Tree ( <i>Moringa oleifera</i> Lam.) Using Random Amplified Polymorphic DNA Marker. BioMed Research International, 2013, 2013, 1-6.	1.9	24
75	Toward understanding of rice innate immunity against <i>Magnaporthe oryzae</i> . Critical Reviews in Biotechnology, 2016, 36, 165-174.	9.0	24
76	Marker-Assisted introgression of broad-spectrum blast resistance genes into the cultivated <i>MR219</i> rice variety. Journal of the Science of Food and Agriculture, 2017, 97, 2810-2818.	3.5	24
77	Marker-Assisted Introgression of Multiple Resistance Genes Confers Broad Spectrum Resistance against Bacterial Leaf Blight and Blast Diseases in PUTRA-1 Rice Variety. Agronomy, 2020, 10, 42.	3.0	24
78	Advanced Breeding Strategies and Future Perspectives of Salinity Tolerance in Rice. Agronomy, 2021, 11, 1631.	3.0	24
79	Screening of Purslane ( <i>Portulaca oleracea</i> L.) Accessions for High Salt Tolerance. Scientific World Journal, The, 2014, 2014, 1-12.	2.1	23
80	Gene flow from Clearfield® rice to weedy rice under field conditions. Plant, Soil and Environment, 2016, 62, 16-22.	2.2	23
81	Investigating the effect of white-rot hymenomycetes biodegradation on basal stem rot infected oil palm wood blocks: Biochemical and anatomical characterization. Industrial Crops and Products, 2017, 108, 872-882.	5.2	23
82	Introgression of heat shock protein (Hsp70 and sHsp) genes into the Malaysian elite chilli variety Kulai ( <i>Capsicum annum</i> L.) through the application of marker-assisted backcrossing (MAB). Cell Stress and Chaperones, 2018, 23, 223-234.	2.9	23
83	Genetic Diversity of Torch Ginger ( <i>Etlingera elatior</i> ) Germplasm Revealed by ISSR and SSR Markers. BioMed Research International, 2019, 2019, 1-14.	1.9	23
84	Variation in yield components and vegetative traits in Malaysian oil palm ( <i>Elaeis guineensis</i> jacq.) <i>dura</i> – <i>pisifera</i> hybrids under various planting densities. Industrial Crops and Products, 2013, 46, 147-157.	5.2	22
85	DNA fingerprinting, fixation-index (Fst), and admixture mapping of selected Bambara groundnut ( <i>Vigna</i> ) Tj ETQq1 1,0,784314,rgBT / C 3,3 21	3.3	21
86	Allele Mining Strategies: Principles and Utilisation for Blast Resistance Genes in Rice ( <i>Oryza sativa</i> L.). Current Issues in Molecular Biology, 2015, 17, 57-73.	2.4	20
87	Influence of Plant Population and Nitrogen-Fertilizer at Various Levels on Growth and Growth Efficiency of Maize. Scientific World Journal, The, 2013, 2013, 1-9.	2.1	19
88	The genetic and molecular origin of natural variation for the fragrance trait in an elite Malaysian aromatic rice through quantitative trait loci mapping using SSR and gene-based markers. Gene, 2015, 555, 101-107.	2.2	19
89	Genotypic character relationship and phenotypic path coefficient analysis in chili pepper genotypes grown under tropical condition. Journal of the Science of Food and Agriculture, 2017, 97, 1164-1171.	3.5	19
90	Genetic diversity and selection criteria of MPOB-Senegal oil palm ( <i>Elaeis guineensis</i> Jacq.) germplasm by quantitative traits. Industrial Crops and Products, 2019, 139, 111558.	5.2	19

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91	Current and Prospective Strategies in the Varietal Improvement of Chilli ( <i>Capsicum annum L.</i> ) Specially Heterosis Breeding. <i>Agronomy</i> , 2021, 11, 2217.	3.0	19
92	Isolation and Expression Analysis of Novel Silicon Absorption Gene from Roots of Mangrove ( <i>Rhizophora apiculata</i> ) via Suppression Subtractive Hybridization. <i>BioMed Research International</i> , 2014, 2014, 1-11.	1.9	18
93	Genetic Analysis of Resistance to Rice Blast: A Study on the Inheritance of Resistance to the Blast Disease Pathogen in an F <sub>3</sub> Population of Rice. <i>Journal of Phytopathology</i> , 2015, 163, 300-309.	1.0	18
94	Combining Ability Analysis in Complete Diallel Cross of Watermelon ( <i>Citrullus lanatus</i> (Thunb.)) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 Td	2.1	17
95	Mapping of the quantitative trait locus (QTL) conferring partial resistance to rice leaf blast disease. <i>Biotechnology Letters</i> , 2013, 35, 799-810.	2.2	17
96	A Classical Genetic Solution to Enhance the Biosynthesis of Anticancer Phytochemicals in <i>Andrographis paniculata</i> Nees. <i>PLoS ONE</i> , 2014, 9, e87034.	2.5	17
97	Recurrent parent genome recovery in different populations with the introgression of Sub1 gene from a cross between MR219 and Swarna-Sub1. <i>Euphytica</i> , 2016, 207, 605-618.	1.2	17
98	Development of advanced fragrant rice lines from MR269—Basmati 370 through marker-assisted backcrossing. <i>Euphytica</i> , 2017, 213, 1.	1.2	17
99	Inoculation of oil palm seedlings in Malaysia with white-rot hymenomycetes: Assessment of pathogenicity and vegetative growth. <i>Crop Protection</i> , 2018, 110, 146-154.	2.1	17
100	ALUMINUM SPECIATION OF AMENDED ACID TROPICAL SOIL AND ITS EFFECTS ON PLANT ROOT GROWTH. <i>Journal of Plant Nutrition</i> , 2014, 37, 811-827.	1.9	16
101	Opportunities of marker-assisted selection for rice fragrance through marker-trait association analysis of microsatellites and gene-based markers. <i>Plant Biology</i> , 2015, 17, 953-961.	3.8	16
102	Genetic diversity analysis among collected purslane ( <i>Portulaca oleracea L.</i> ) accessions using ISSR markers. <i>Comptes Rendus - Biologies</i> , 2015, 338, 1-11.	0.2	16
103	Introgression of blast resistance genes into the elite rice variety MR263 through marker-assisted backcrossing. <i>Journal of the Science of Food and Agriculture</i> , 2016, 96, 1297-1305.	3.5	16
104	Effects of Grafting on Morphophysiological and Yield Characteristic of Eggplant ( <i>Solanum</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 222 Td	3.5	16
105	Pumpkin ( <i>Cucurbita spp.</i> ): A Crop to Mitigate Food and Nutritional Challenges. <i>Horticulturae</i> , 2021, 7, 352.	2.8	16
106	<i>Bacillus tequilensis</i> strain UPMRB9™ improves biochemical attributes and nutrient accumulation in different rice varieties under salinity stress. <i>PLoS ONE</i> , 2021, 16, e0260869.	2.5	16
107	Morpho-physiological and mineral nutrient characterization of 45 collected Purslane ( <i>Portulaca</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 222 Td	1.3	15
108	Marker-assisted selection for rice brown planthopper ( <i>Nilaparvata lugens</i> ) resistance using linked SSR markers. <i>Turkish Journal of Biology</i> , 2015, 39, 666-673.	0.8	15

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109	Genetic diversity analysis of selected <i>Capsicum annum</i> genotypes based on morphophysiological, yield characteristics and their biochemical properties. <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, 269-280.	3.5	15
110	Improvement of important economic traits in chilli through heterosis breeding: a review. <i>Journal of Horticultural Science and Biotechnology</i> , 2021, 96, 14-23.	1.9	15
111	Development of SNP markers and their application for genetic diversity analysis in the oil palm ( <i>Elaeis</i> ) Tj ETQq1 1 0.784314 rgBT /Over	0.2	15
112	Reducing Runoff Loss of Applied Nutrients in Oil Palm Cultivation Using Controlled-Release Fertilizers. <i>Advances in Agriculture</i> , 2014, 2014, 1-9.	0.9	14
113	Genoproteomics-assisted improvement of <i>Andrographis paniculata</i> : toward a promising molecular and conventional breeding platform for autogamous plants affecting the pharmaceutical industry. <i>Critical Reviews in Biotechnology</i> , 2017, 37, 803-816.	9.0	14
114	Screening and Expression of a Silicon Transporter Gene(Lsi1)in Wild-Type Indica Rice Cultivars. <i>BioMed Research International</i> , 2017, 2017, 1-13.	1.9	14
115	Adaptation of the metabolomics profile of rice after <i>Pyricularia oryzae</i> infection. <i>Plant Physiology and Biochemistry</i> , 2019, 144, 466-479.	5.8	14
116	Integrating Multivariate and Univariate Statistical Models to Investigate Genotype×Environment Interaction of Advanced Fragrant Rice Genotypes under Rainfed Condition. <i>Sustainability</i> , 2021, 13, 4555.	3.2	14
117	Differential Gene Expression Reflects Morphological Characteristics and Physiological Processes in Rice Immunity against Blast Pathogen <i>Magnaporthe oryzae</i> . <i>PLoS ONE</i> , 2015, 10, e0126188.	2.5	14
118	Genetic Performance and General Combining Ability of Oil Palm Deli <i>dura</i> × AVROS <i>pisifera</i> Tested on Inland Soils. <i>Scientific World Journal</i> , The, 2012, 2012, 1-8.	2.1	13
119	Synthetic <i>Brassica napus</i> L.: Development and Studies on Morphological Characters, Yield Attributes, and Yield. <i>Scientific World Journal</i> , The, 2012, 2012, 1-6.	2.1	13
120	Recent Strategies for Detection and Improvement of Brown Planthopper Resistance Genes in Rice: A Review. <i>Plants</i> , 2020, 9, 1202.	3.5	13
121	Recovery of Recurrent Parent Genome in a Marker-Assisted Backcrossing Against Rice Blast and Blight Infections Using Functional Markers and SSRs. <i>Plants</i> , 2020, 9, 1411.	3.5	13
122	Management of Mango Hopper, <i>Idioscopus clypealis</i> , Using Chemical Insecticides and Neem Oil. <i>Scientific World Journal</i> , The, 2014, 2014, 1-5.	2.1	12
123	Genetic variability analysis and selection of <i>pisifera</i> palms for commercial production of high yielding and dwarf oil palm planting materials. <i>Industrial Crops and Products</i> , 2016, 90, 135-141.	5.2	12
124	Potential allelopathic effects of rice plant aqueous extracts on germination and seedling growth of some rice field common weeds. <i>Italian Journal of Agronomy</i> , 2018, , 134-140.	1.0	12
125	<i>LEA</i> Gene Expression Assessment in Advanced Mutant Rice Genotypes under Drought Stress. <i>International Journal of Genomics</i> , 2019, 2019, 1-8.	1.6	12
126	Influence of Parental <i>Dura</i> and <i>Pisifera</i> Genetic Origins on Oil Palm Fruit Set Ratio and Yield Components in Their D × P Progenies. <i>Agronomy</i> , 2020, 10, 1793.	3.0	12



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127	Effect of Organic and Inorganic Fertilizer on the Growth and Yield Components of Traditional and Improved Rice ( <i>Oryza sativa</i> L.) Genotypes in Malaysia. <i>Agronomy</i> , 2021, 11, 1830.	3.0	12
128	Path-coefficient and correlation analysis in Bambara groundnut ( <i>Vigna subterranea</i> [L.] Verdc.) accessions over environments. <i>Scientific Reports</i> , 2022, 12, 245.	3.3	12
129	Variations in oil palm ( <i>Elaeis guineensis</i> Jacq.) progeny response to high aluminium concentrations in solution culture. <i>Plant Biology</i> , 2011, 13, 333-342.	3.8	11
130	Inheritance studies of SSR and ISSR molecular markers and phylogenetic relationship of rice genotypes resistant to tungro virus. <i>Comptes Rendus - Biologies</i> , 2013, 336, 125-133.	0.2	11
131	Genetic variation, heritability, divergence and biomass accumulation of rice genotypes resistant to bacterial blight revealed by quantitative traits and ISSR markers. <i>Physiologia Plantarum</i> , 2013, 149, 432-447.	5.2	11
132	Genetic variability and trait relationship in cherry tomato ( <i>Solanum lycopersicum</i> L. var. <i>cerasiforme</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 TF 5	0.4	11
133	Variability and performance evaluation of introgressed Nigerian dura x Deli dura oil palm progenies. <i>Genetics and Molecular Research</i> , 2014, 13, 2426-2437.	0.2	11
134	Serine-rich protein is a novel positive regulator for silicon accumulation in mangrove. <i>Gene</i> , 2015, 556, 170-181.	2.2	11
135	The addition of submergence-tolerant Sub1 gene into high yielding MR219 rice variety and analysis of its BC2F3 population in terms of yield and yield contributing characters to select advance lines as a variety. <i>Biotechnology and Biotechnological Equipment</i> , 2016, 30, 853-863.	1.3	11
136	Genetic Diversity and Utilization of Cultivated Eggplant Germplasm in Varietal Improvement. <i>Plants</i> , 2021, 10, 1714.	3.5	11
137	Proteomic Analysis of the Salt-Responsive Leaf and Root Proteins in the Anticancer Plant <i>Andrographis paniculata</i> Nees. <i>PLoS ONE</i> , 2014, 9, e112907.	2.5	11
138	Over-Expression of the Pikh Gene with a CaMV 35S Promoter Leads to Improved Blast Disease ( <i>Magnaporthe oryzae</i> ) Tolerance in Rice. <i>Frontiers in Plant Science</i> , 2016, 7, 773.	3.6	10
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141	Molecular insights into the regulation of rice kernel elongation. <i>Critical Reviews in Biotechnology</i> , 2019, 39, 904-923.	9.0	9
142	Genetic Diversity among Kenaf Mutants as Revealed by Qualitative and Quantitative Traits. <i>Journal of Natural Fibers</i> , 0, , 1-18.	3.1	9
143	Linkage of SSR markers with rice blast resistance and development of partial resistant advanced lines of rice ( <i>Oryza sativa</i> ) through marker-assisted selection. <i>Physiology and Molecular Biology of Plants</i> , 2022, 28, 153-169.	3.1	9
144	Allelopathic Effects of Litter <i>Axonopus compressus</i> against Two Weedy Species and Its Persistence in Soil. <i>Scientific World Journal, The</i> , 2013, 2013, 1-8.	2.1	8

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146	Determination of lethal (LD) and growth reduction (GR) doses on acute and chronic gamma- irradiated Bambara groundnut [ <i>Vigna subterranea</i> (L.) Verdc.] varieties. <i>Journal of Radiation Research and Applied Sciences</i> , 2021, 14, 133-145.	1.2	8
147	Recent Advances in Rice Varietal Development for Durable Resistance to Biotic and Abiotic Stresses through Marker-Assisted Gene Pyramiding. <i>Sustainability</i> , 2021, 13, 10806.	3.2	8
148	Unveiling Genetic Diversity, Characterization, and Selection of Bambara Groundnut ( <i>Vigna</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 To Research International, 2022, 2022, 1-23.	1.9	8
149	Competitive Interaction of <i>Axonopus compressus</i> and <i>Asystasia gangetica</i> under Contrasting Sunlight Intensity. <i>Scientific World Journal, The</i> , 2013, 2013, 1-8.	2.1	7
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152	Potential Genotypes of the 1995 RRIM Hevea Germplasm Collection for Future Rubber Breeding and Selection Programme. <i>Journal of Rubber Research (Kuala Lumpur, Malaysia)</i> , 2017, 20, 242-260.	1.1	7
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154	Growth and development of moringa ( <i>Moringa oleifera</i> L.) stem cuttings as affected by diameter magnitude, growth media, and indole-3-butyric acid. <i>Annals of Forest Research</i> , 2014, 59, .	1.1	7
155	Segregation analysis for bacterial leaf blight disease resistance genes in rice &#8216;MR219&#8217; using SSR marker. <i>Chilean Journal of Agricultural Research</i> , 2020, 80, 227-233.	1.1	7
156	Stability analysis of oil yield in oil palm ( <i>Elaeis guineensis</i> ) progenies in different environments. <i>Genetics and Molecular Research</i> , 2012, 11, 3629-3641.	0.2	6
157	Multiplex SSR&#8216;PCR approaches for semi-automated genotyping and characterization of loci linked to blast disease resistance genes in rice. <i>Comptes Rendus - Biologies</i> , 2015, 338, 709-722.	0.2	6
158	Application of EST-SSR marker in detection of genetic variation among purslane ( <i>Portulaca oleracea</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.3	6
159	Oil palm ( <i>Elaeis guineensis</i> ) seed dormancy type and germination pattern. <i>Seed Science and Technology</i> , 2016, 44, 15-26.	1.4	6
160	Evaluation of RNA extraction methods in rice and their application in expression analysis of resistance genes against <i>Magnaporthe oryzae</i> . <i>Biotechnology and Biotechnological Equipment</i> , 2017, 31, 75-84.	1.3	6
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164	Allelopathic Effect of Selected Rice ( <i>Oryza sativa</i> ) Varieties against Barnyard Grass ( <i>Echinochloa</i> ) Tj ETQq0 0 0 rgBT <sub>3.5</sub> /Overlock <sub>6</sub> 10 Tf 50 7	3.5	6
165	Genetic diversity in eggplant ( <i>Solanum melongena</i> L.) germplasm from three secondary geographical origins of diversity using SSR markers. <i>Biocell</i> , 2021, 45, 1393-1401.	0.7	6
166	Micronutrients, Antioxidant Activity, and Tocochromanol Contents of Selected Pigmented Upland Rice Genotypes. <i>International Journal of Agriculture and Biology</i> , 2015, 17, 741-747.	0.4	6
167	Alleviation of soil acidity improves the performance of oil palm progenies planted on an acid Ultisol. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2011, 61, 487-498.	0.6	5
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171	Generation mean analysis of grain quality traits in selected rice populations derived from different amylose characteristics. <i>Journal of the Science of Food and Agriculture</i> , 2016, 96, 1593-1600.	3.5	5
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173	Half Diallel Analysis for Biochemical and Morphological Traits in Cultivated Eggplants ( <i>Solanum</i> ) Tj ETQq1 1 0.7843 <sub>3.0</sub> 14 rgBT <sub>3.0</sub> /Overlock <sub>5</sub> 10	3.0	5
174	Morphological characterization of lentil accessions: Qualitative characters. <i>Bangladesh Journal of Botany</i> , 2013, 41, 187-190.	0.4	5
175	Bulked segregant analysis for relative water content to detect quantitative trait loci in wheat under drought stress. <i>Genetics and Molecular Research</i> , 2012, 11, 3882-3888.	0.2	4
176	Study of genetic variation of eggplant cultivars by using RAPD-PCR molecular markers and the relationship with Phomopsis blight disease reaction. <i>Genetics and Molecular Research</i> , 2015, 14, 17007-17018.	0.2	4
177	Inheritance patterns and identification of microsatellite markers linked to the rice blast resistance in BC2F1 population of rice breeding. <i>Bragantia</i> , 2015, 74, 33-41.	1.3	4
178	Application of an Effective Statistical Technique for an Accurate and Powerful Mining of Quantitative Trait Loci for Rice Aroma Trait. <i>PLoS ONE</i> , 2015, 10, e0129069.	2.5	4
179	Reactions and diversity analysis of upland rice genotypes against blast disease of rice ( <i>Oryza sativa</i> L.). <i>Australasian Plant Pathology</i> , 2015, 44, 405-412.	1.0	4
180	Mapping of QTLs conferring resistance in rice to brown planthopper, <i>Nilaparvata lugens</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2017, 162, 60-68.	1.4	4

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182	Assessment of Oil Palm Pollinating Weevil ( <i>Elaeidobius kamerunicus</i> ) Population Density in Biparental <i>dura</i> × <i>pisifera</i> Hybrids on Deep Peat-Soil in Perak State, Malaysia. <i>Insects</i> , 2021, 12, 221.	2.2	4
183	Character Interrelationships and Path Analysis for Yield Components in MPOB-Senegal Oil Palm Germplasm. <i>Sains Malaysiana</i> , 2021, 50, 699-709.	0.5	4
184	Evaluation of Inherited Resistance Genes of Bacterial Leaf Blight, Blast and Drought Tolerance in Improved Rice Lines. <i>Rice Science</i> , 2021, 28, 279-288.	3.9	4
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187	Influence of Wild Relative Rootstocks on Eggplant Growth, Yield and Fruit Physicochemical Properties under Open Field Conditions. <i>Agriculture (Switzerland)</i> , 2021, 11, 943.	3.1	4
188	Genetic Improvement of Oil Palm Through Recurrent Selection. <i>Compendium of Plant Genomes</i> , 2020, , 35-46.	0.5	4
189	Introgression of Pi-kh Resistance Gene into a Malaysian Cultivar, MR264 using Marker-Assisted Backcrossing (MABC). <i>International Journal of Agriculture and Biology</i> , 2015, 17, 1172-1178.	0.4	4
190	DETACHED LEAF ASSAY FOR <i>in vitro</i> SCREENING OF POTENTIAL BIOCONTROL AGENTS TO CONTROL GOOSEGRASS WEED ( <i>Eleusine indica</i> ). <i>Journal of Oil Palm Research</i> , 0, , .	2.1	4
191	Analysis of Simple Sequence Repeat Markers Linked to Submergence Tolerance on Newly Developed Rice Lines Derived from MR263 × Swarna-Sub1. <i>Sains Malaysiana</i> , 2017, 46, 521-528.	0.5	4
192	Development of anthracnose disease resistance and heat tolerance chili through conventional breeding and molecular approaches: a review. <i>Biocell</i> , 2020, 44, 269-278.	0.7	4
193	Combining ability and gene action for yield improvement in kenaf ( <i>Hibiscus cannabinus</i> L.) under tropical conditions through diallel mating design. <i>Scientific Reports</i> , 2022, 12, .	3.3	4
194	Genetic Dissection of Sympatric Populations of Brown Planthopper, <i>Nilaparvata lugens</i> (Stål), Using DALP-PCR Molecular Markers. <i>Scientific World Journal</i> , The, 2012, 2012, 1-11.	2.1	3
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196	Optimum levels of N, P, and K nutrition for oil palm seedlings grown in tropical peat soil. <i>Journal of Plant Nutrition</i> , 2019, 42, 1461-1471.	1.9	3
197	Oil Palm Inflorescence Sex Ratio and Fruit Set Assessment in <i>dura</i> × <i>pisifera</i> Biparental Progenies on Fibric Peat Soil. <i>Agronomy</i> , 2021, 11, 1380.	3.0	3
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200	Characteristics of Interspecific Hybridization and Inbred Progeny of Pumpkin ( <i>Cucurbita moschata</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.8	3
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204	Effects of post-harvest hot water treatments on the fungi contamination, physiology and quality of rock melon fruit. <i>Australian Journal of Crop Science</i> , 2020, , 1081-1087.	0.3	2
205	Evaluation of selected rice accessions for allelopathic potential against Barnyard grass. <i>Allelopathy Journal</i> , 2018, 43, 159-174.	0.5	2
206	Characterization and Genetic Diversity of Photoperiodic among Mutant Kenaf ( <i>Hibiscus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 T	3.1	2
207	Genetic analysis of yield and yield contributing traits in rice ( <i>Oryza sativa</i> L.) BC <sub>2</sub> F <sub>3</sub> population derived from MR264 Å— PS2. <i>Biotechnology and Biotechnological Equipment</i> , 2022, 36, 184-192.	1.3	2
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215	M8rapeseed ( <i>Brassica napus</i> L.) mutants: Evaluation for earliness with higher seed yield. <i>Research on Crops</i> , 2014, 15, 797.	0.1	1
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218	Study on Yield Variability in Oil Palm Progenies and Their Genetic Origins. <i>Biology and Life Sciences Forum</i> , 2021, 4, 68.	0.6	1
219	Genetic diversity of inbred lines in chilli based on phenotypic and genotypic responses against <i>Colletotrichum truncatum</i> . <i>Archives of Phytopathology and Plant Protection</i> , 2022, 55, 583-596.	1.3	1
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224	Effect of date of transplanting on yield and yield attributing characters of aromatic fine rice in rainfed condition. <i>Research on Crops</i> , 2014, 15, 305.	0.1	0
225	Management of bacterial leaf blight of mango through antibiotics and bio-fungicide. <i>Research on Crops</i> , 2014, 15, 383.	0.1	0
226	Effect of fertilizer management on growth and yield of fragrant fine rice varieties in rainfed condition. <i>Research on Crops</i> , 2014, 15, 287.	0.1	0
227	Effect of antibiotics and BAU-biofungicide in controlling bacterial leaf blight of litchi. <i>Research on Crops</i> , 2014, 15, 389.	0.1	0
228	Seed germination and seedling growth of hexaploid wheat ( <i>Triticum aestivum</i> L.) varieties as influenced by different levels of sodium chloride. <i>Research on Crops</i> , 2016, 17, 445.	0.1	0
229	Effect of botanicals and biofungicide on controlling tikka disease ( <i>Cercospora</i> sp.) of groundnut ( <i>Arachis hypogaea</i> ) Tj ETQq1 1 0.784314 r gBT /Ove	0.1	0
230	Genetic diversity in traditional and modern allelopathic rice accessions revealed by Minisatellite markers. <i>Allelopathy Journal</i> , 2018, 44, 149-162.	0.5	0
231	Molecular Evolution and Genetic Diversity of Oil Palm Based on Sequencing and Analysis with Molecular Markers. <i>Compendium of Plant Genomes</i> , 2020, , 117-129.	0.5	0
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