

Abdul Rahim Harun

List of Publications by Year in descending order

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39
papers

1,571
citations

471477

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37
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all docs

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docs citations

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times ranked

1619
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	Marker-assisted backcrossing: a useful method for rice improvement. <i>Biotechnology and Biotechnological Equipment</i> , 2015, 29, 237-254.	1.3	153
5	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
6	Biochemical, Genetic and Molecular Advances of Fragrance Characteristics in Rice. <i>Critical Reviews in Plant Sciences</i> , 2013, 32, 445-457.	5.7	55
7	Genetic Variability and Selection Criteria in Rice Mutant Lines as Revealed by Quantitative Traits. <i>Scientific World Journal</i> , The, 2014, 2014, 1-12.	2.1	55
8	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
9	Recurrent parent genome recovery analysis in a marker-assisted backcrossing program of rice (<i>Oryza</i>) Tj ETQq1 1 0.784314 rgBT /Over 0.2 40	0.2	37
10	Current advance methods for the identification of blast resistance genes in rice. <i>Comptes Rendus - Biologies</i> , 2015, 338, 321-334.	0.2	37
11	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
12	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
13	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
14	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
15	Marker-assisted introgression of broad-spectrum blast resistance genes into the cultivated <sc>MR219</sc> rice variety. <i>Journal of the Science of Food and Agriculture</i> , 2017, 97, 2810-2818.	3.5	24
16	Morphological and biochemical responses of <i>Oryza sativa</i> L. (cultivar MR219) to ion beam irradiation. <i>Journal of Zhejiang University: Science B</i> , 2013, 14, 1132-1143.	2.8	19
17	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. <i>Gene</i> , 2015, 555, 101-107.	2.2	19
18	Genetic Analysis of Resistance to Rice Blast: A Study on the Inheritance of Resistance to the Blast Disease Pathogen in an F ₃ Population of Rice. <i>Journal of Phytopathology</i> , 2015, 163, 300-309.	1.0	18

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19	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
20	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
21	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
22	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
23	Genetic variability analysis and selection of pisifera 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
24	Genetic variation, heritability, divergence and biomass accumulation of rice genotypes resistant to bacterial blight revealed by quantitative traits and SSR markers. <i>Physiologia Plantarum</i> , 2013, 149, 432-447.	5.2	11
25	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
26	Identification of quantitative trait loci for blast resistance in BC2F3 and BC2F5 advanced backcross families of rice. <i>Genetics and Molecular Research</i> , 2012, 11, 3277-3289.	0.2	11
27	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
28	PERFORMANCE OF YIELD AND YIELD CONTRIBUTING CHARACTERISTICS OF BC2F3 POPULATION WITH ADDITION OF BLAST RESISTANT GENE. <i>Ciencia E Agrotecnologia</i> , 2015, 39, 463-476.	1.5	7
29	Geographical identification of <i>Oryza sativa</i> MR 220CL from Peninsular Malaysia using elemental and isotopic profiling. <i>Food Control</i> , 2020, 110, 106967.	5.5	6
30	Identification of suitable segregating SSR markers for blast resistance in rice using inheritance and disease reaction analysis in backcross families. <i>Australasian Plant Pathology</i> , 2015, 44, 619-627.	1.0	5
31	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
32	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
33	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
34	Genetic analysis of the resistance to rice blast in the BC2F1 population derived from MR263 Pongsu Seribu 1. <i>Biotechnology and Biotechnological Equipment</i> , 2018, 32, 1134-1140.	1.3	3
35	NITROGEN USE EFFICIENCY IN MR219-4 AND MR219-9 RICE MUTANT LINES UNDER DIFFERENT WATER POTENTIALS AND NITROGEN LEVELS USING 15N ISOTOPIC TRACER TECHNIQUE. <i>Malaysian Journal of Analytical Sciences</i> , 2016, 20, 500-509.	0.1	3
36	Comparative mapping and discovery of segregation distortion and linkage disequilibrium across the known fragrance chromosomal regions in a rice F2 population. <i>Euphytica</i> , 2015, 204, 557-569.	1.2	2

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37	Genetic analysis of yield and yield contributing traits in rice (<i>Oryza sativa</i> L.) BC ₂ F ₃ population derived from MR264 × PS2. <i>Biotechnology and Biotechnological Equipment</i> , 2022, 36, 184-192.	1.3	2
38	Nitrogen use efficiency evaluation of aerobic rice under field capacity water potential using 15N isotopic tracer technique. <i>AIP Conference Proceedings</i> , 2015, , .	0.4	0
39	Assessment of Variability and Genetic Diversity Study in an Advanced Segregating Population in Rice with Blast Resistance Genes Introgression. <i>Journal of Experimental Biology and Agricultural Sciences</i> , 2022, 10, 306-317.	0.4	0