

Ismail Rabbi

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

2,125
citations

331259

21
h-index

276539

41
g-index

53
all docs

53
docs citations

53
times ranked

2230
citing authors

#	ARTICLE	IF	CITATIONS
1	Sequencing wild and cultivated cassava and related species reveals extensive interspecific hybridization and genetic diversity. <i>Nature Biotechnology</i> , 2016, 34, 562-570.	9.4	340
2	Cassava haplotype map highlights fixation of deleterious mutations during clonal propagation. <i>Nature Genetics</i> , 2017, 49, 959-963.	9.4	208
3	High-resolution mapping of resistance to cassava mosaic geminiviruses in cassava using genotyping-by-sequencing and its implications for breeding. <i>Virus Research</i> , 2014, 186, 87-96.	1.1	143
4	Genome-Wide Association and Prediction Reveals Genetic Architecture of Cassava Mosaic Disease Resistance and Prospects for Rapid Genetic Improvement. <i>Plant Genome</i> , 2016, 9, plantgenome2015.11.0118.	1.6	120
5	Genome sequencing of the staple food crop white Guinea yam enables the development of a molecular marker for sex determination. <i>BMC Biology</i> , 2017, 15, 86.	1.7	114
6	Relatedness and Genotype × Environment Interaction Affect Prediction Accuracies in Genomic Selection: A Study in Cassava. <i>Crop Science</i> , 2013, 53, 1312-1325.	0.8	102
7	Prospects for Genomic Selection in Cassava Breeding. <i>Plant Genome</i> , 2017, 10, plantgenome2017.03.0015.	1.6	101
8	Tracking crop varieties using genotyping-by-sequencing markers: a case study using cassava (<i>Manihot</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38	2.7	83
9	Genome-Wide Association Mapping of Correlated Traits in Cassava: Dry Matter and Total Carotenoid Content. <i>Plant Genome</i> , 2017, 10, plantgenome2016.09.0094.	1.6	63
10	Genetic diversity and population structure of a mini-core subset from the world cowpea (<i>Vigna</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38	1.6	63
11	Identification, validation and high-throughput genotyping of transcribed gene SNPs in cassava. <i>Theoretical and Applied Genetics</i> , 2012, 124, 685-695.	1.8	55
12	Accuracies of univariate and multivariate genomic prediction models in African cassava. <i>Genetics Selection Evolution</i> , 2017, 49, 88.	1.2	54
13	The Effects of Restriction Enzyme Choice on Properties of Genotyping-by-Sequencing Libraries: A Study in Cassava (<i>Manihot esculenta</i>). <i>Crop Science</i> , 2014, 54, 2603-2608.	0.8	51
14	Genetic Mapping Using Genotyping-by-Sequencing in the Clonally Propagated Cassava. <i>Crop Science</i> , 2014, 54, 1384-1396.	0.8	50
15	Molecular Markers and Their Application to Cassava Breeding: Past, Present and Future. <i>Tropical Plant Biology</i> , 2012, 5, 95-109.	1.0	34
16	Marker-Based Estimates Reveal Significant Nonadditive Effects in Clonally Propagated Cassava (<i>Manihot esculenta</i>): Implications for the Prediction of Total Genetic Value and the Selection of Varieties. <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 3497-3506.	0.8	34
17	Genome-wide association analysis reveals new insights into the genetic architecture of defensive, agro-morphological and quality-related traits in cassava. <i>Plant Molecular Biology</i> , 2022, 109, 195-213.	2.0	33
18	The Cassava Source “Sink” project: opportunities and challenges for crop improvement by metabolic engineering. <i>Plant Journal</i> , 2020, 103, 1655-1665.	2.8	33

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19	An EST-derived SNP and SSR genetic linkage map of cassava (<i>Manihot esculenta</i> Crantz). <i>Theoretical and Applied Genetics</i> , 2012, 125, 329-342.	1.8	31
20	Understanding cassava varietal preferences through pairwise ranking of <i>gari</i> and <i>fufu</i> prepared by local farmer processors. <i>International Journal of Food Science and Technology</i> , 2021, 56, 1258-1277.	1.3	31
21	Technological Innovations for Improving Cassava Production in Sub-Saharan Africa. <i>Frontiers in Genetics</i> , 2020, 11, 623736.	1.1	30
22	Genome-Wide Association Study of Resistance to Cassava Green Mite Pest and Related Traits in Cassava. <i>Crop Science</i> , 2018, 58, 1907-1918.	0.8	28
23	Historical Introgressions from a Wild Relative of Modern Cassava Improved Important Traits and May Be Under Balancing Selection. <i>Genetics</i> , 2019, 213, 1237-1253.	1.2	27
24	Large-scale genome-wide association study, using historical data, identifies conserved genetic architecture of cyanogenic glucoside content in cassava (<i>Manihot esculenta</i> Crantz) root. <i>Plant Journal</i> , 2021, 105, 754-770.	2.8	26
25	Training Population Optimization for Prediction of Cassava Brown Streak Disease Resistance in West African Clones. <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 3903-3913.	0.8	23
26	Improving Genomic Prediction in Cassava Field Experiments Using Spatial Analysis. <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 53-62.	0.8	20
27	solGS: a web-based tool for genomic selection. <i>BMC Bioinformatics</i> , 2014, 15, 398.	1.2	18
28	Breedbase: a digital ecosystem for modern plant breeding. <i>G3: Genes, Genomes, Genetics</i> , 2022, 12, .	0.8	17
29	Genomics-Assisted Breeding in the CGIAR Research Program on Roots, Tubers and Bananas (RTB). <i>Agriculture (Switzerland)</i> , 2018, 8, 89.	1.4	16
30	Genetic Diversity and Population Structure of Cowpea [<i>Vigna unguiculata</i> (L.) Walp.] Germplasm Collected from Togo Based on DArT Markers. <i>Genes</i> , 2021, 12, 1451.	1.0	16
31	Candidate gene sequencing and validation of SNP markers linked to carotenoid content in cassava (<i>Manihot esculenta</i> Crantz). <i>Molecular Breeding</i> , 2017, 37, 1.	1.0	15
32	Improving root characterisation for genomic prediction in cassava. <i>Scientific Reports</i> , 2020, 10, 8003.	1.6	15
33	Genetic characterization of cassava (<i>Manihot esculenta</i> Crantz) genotypes using agro-morphological and single nucleotide polymorphism markers. <i>Physiology and Molecular Biology of Plants</i> , 2020, 26, 317-330.	1.4	14
34	Genomic mating in outbred species: predicting cross usefulness with additive and total genetic covariance matrices. <i>Genetics</i> , 2021, 219, .	1.2	13
35	Regional Heritability Mapping Provides Insights into Dry Matter Content in African White and Yellow Cassava Populations. <i>Plant Genome</i> , 2018, 11, 170050.	1.6	10
36	Identification of additional /novel QTL associated with resistance to cassava green mite in a biparental mapping population. <i>PLoS ONE</i> , 2020, 15, e0231008.	1.1	10

#	ARTICLE	IF	CITATIONS
37	Conversion and Validation of Uniplex SNP Markers for Selection of Resistance to Cassava Mosaic Disease in Cassava Breeding Programs. <i>Agronomy</i> , 2021, 11, 420.	1.3	10
38	Genomic prediction and quantitative trait locus discovery in a cassava training population constructed from multiple breeding stages. <i>Crop Science</i> , 2020, 60, 896-913.	0.8	9
39	Identifying New Resistance to Cassava Mosaic Disease and Validating Markers for the CMD2 Locus. <i>Agriculture (Switzerland)</i> , 2021, 11, 829.	1.4	8
40	Gene Expression and Metabolite Profiling of Thirteen Nigerian Cassava Landraces to Elucidate Starch and Carotenoid Composition. <i>Agronomy</i> , 2020, 10, 424.	1.3	7
41	Low-cost, handheld near-infrared spectroscopy for root dry matter content prediction in cassava. <i>The Plant Phenome Journal</i> , 2022, 5, .	1.0	6
42	Genome-Wide Association Study of Root Mealiness and Other Texture-Associated Traits in Cassava. <i>Frontiers in Plant Science</i> , 2021, 12, 770434.	1.7	5
43	Improving Genomic Prediction in Cassava Field Experiments by Accounting for Interplot Competition. <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 933-944.	0.8	4
44	Portable Spectroscopy Calibration with Inexpensive and Simple Sampling Reference Alternatives for Dry Matter and Total Carotenoid Contents in Cassava Roots. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1714.	1.3	4
45	Selection for resistance to cassava mosaic disease in African cassava germplasm using single nucleotide polymorphism markers. <i>South African Journal of Science</i> , 2022, 118, .	0.3	3
46	Perspectives on the Application of Next-generation Sequencing to the Improvement of Africa's Staple Food Crops. , 0, , .		1