

Prashant Vikram

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

3,340
citations

201385

27
h-index

276539

41
g-index

48
all docs

48
docs citations

48
times ranked

3023
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploiting genetic diversity from landraces in wheat breeding for adaptation to climate change. <i>Journal of Experimental Botany</i> , 2015, 66, 3477-3486.	2.4	356
2	qDTY 1.1 , a major QTL for rice grain yield under reproductive-stage drought stress with a consistent effect in multiple elite genetic backgrounds. <i>BMC Genetics</i> , 2011, 12, 89.	2.7	301
3	Meta-analysis of grain yield QTL identified during agricultural drought in grasses showed consensus. <i>BMC Genomics</i> , 2011, 12, 319.	1.2	199
4	A high density GBS map of bread wheat and its application for dissecting complex disease resistance traits. <i>BMC Genomics</i> , 2015, 16, 216.	1.2	188
5	From QTL to variety-harnessing the benefits of QTLs for drought, flood and salt tolerance in mega rice varieties of India through a multi-institutional network. <i>Plant Science</i> , 2016, 242, 278-287.	1.7	182
6	Genomic Prediction of Gene Bank Wheat Landraces. <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 1819-1834.	0.8	159
7	Genetic, Physiological, and Gene Expression Analyses Reveal That Multiple QTL Enhance Yield of Rice Mega-Variety IR64 under Drought. <i>PLoS ONE</i> , 2013, 8, e62795.	1.1	156
8	Drought susceptibility of modern rice varieties: an effect of linkage of drought tolerance with undesirable traits. <i>Scientific Reports</i> , 2015, 5, 14799.	1.6	145
9	qDTY12.1: a locus with a consistent effect on grain yield under drought in rice. <i>BMC Genetics</i> , 2013, 14, 12.	2.7	124
10	Identification and mapping of a QTL (qDTY1.1) with a consistent effect on grain yield under drought. <i>Field Crops Research</i> , 2012, 131, 88-96.	2.3	121
11	Exploring and Mobilizing the Gene Bank Biodiversity for Wheat Improvement. <i>PLoS ONE</i> , 2015, 10, e0132112.	1.1	113
12	Harnessing genetic potential of wheat germplasm banks through impact-oriented-prebreeding for future food and nutritional security. <i>Scientific Reports</i> , 2018, 8, 12527.	1.6	113
13	Fine mapping of QTLs for rice grain yield under drought reveals sub-QTLs conferring a response to variable drought severities. <i>Theoretical and Applied Genetics</i> , 2012, 125, 155-169.	1.8	99
14	Genomic associations for drought tolerance on the short arm of wheat chromosome 4B. <i>Functional and Integrative Genomics</i> , 2012, 12, 447-464.	1.4	83
15	A QTL for high grain yield under lowland drought in the background of popular rice variety Sabitri from Nepal. <i>Field Crops Research</i> , 2013, 144, 281-287.	2.3	82
16	Efficient curation of genebanks using next generation sequencing reveals substantial duplication of germplasm accessions. <i>Scientific Reports</i> , 2019, 9, 650.	1.6	79
17	Unlocking the genetic diversity of Creole wheats. <i>Scientific Reports</i> , 2016, 6, 23092.	1.6	75
18	Increased drought tolerance and wider adaptability of qDTY 12.1 conferred by its interaction with qDTY 2.3 and qDTY 3.2. <i>Molecular Breeding</i> , 2012, 30, 1767-1779.	1.0	68

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19	Combining drought and submergence tolerance in rice: marker-assisted breeding and QTL combination effects. <i>Molecular Breeding</i> , 2017, 37, 143.	1.0	65
20	Genetics of Fe, Zn, β -carotene, GPC and yield traits in bread wheat (<i>Triticum aestivum</i> L.) using multi-locus and multi-traits GWAS. <i>Euphytica</i> , 2018, 214, 1.	0.6	64
21	Bulk segregant analysis: An effective approach for mapping consistent-effect drought grain yield QTLs in rice. <i>Field Crops Research</i> , 2012, 134, 185-192.	2.3	63
22	Genomic prediction models for grain yield of spring bread wheat in diverse agro-ecological zones. <i>Scientific Reports</i> , 2016, 6, 27312.	1.6	62
23	Marker Assisted Breeding to Develop Multiple Stress Tolerant Varieties for Flood and Drought Prone Areas. <i>Rice</i> , 2019, 12, 8.	1.7	56
24	Linkages and Interactions Analysis of Major Effect Drought Grain Yield QTLs in Rice. <i>PLoS ONE</i> , 2016, 11, e0151532.	1.1	55
25	GWAS to Identify Genetic Loci for Resistance to Yellow Rust in Wheat Pre-Breeding Lines Derived From Diverse Exotic Crosses. <i>Frontiers in Plant Science</i> , 2019, 10, 1390.	1.7	55
26	Positive interactions of major-effect QTLs with genetic background that enhances rice yield under drought. <i>Scientific Reports</i> , 2018, 8, 1626.	1.6	47
27	Molecular Markers Associated with Agro-Physiological Traits under Terminal Drought Conditions in Bread Wheat. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3156.	1.8	37
28	Orphan Crops: A Best Fit for Dietary Enrichment and Diversification in Highly Deteriorated Marginal Environments. <i>Frontiers in Plant Science</i> , 2022, 13, 839704.	1.7	26
29	Genetic Diversity Analysis Reveals Importance of Green Revolution Gene (<i>Sd1</i> Locus) for Drought Tolerance in Rice. <i>Agricultural Research</i> , 2016, 5, 1-12.	0.9	25
30	GWAS revealed a novel resistance locus on chromosome 4D for the quarantine disease Karnal bunt in diverse wheat pre-breeding germplasm. <i>Scientific Reports</i> , 2020, 10, 5999.	1.6	20
31	Genome-Wide Association Study Reveals Novel Genes Associated with Culm Cellulose Content in Bread Wheat (<i>Triticum aestivum</i> , L.). <i>Frontiers in Plant Science</i> , 2017, 8, 1913.	1.7	19
32	Genomic Characterization of Phenylalanine Ammonia Lyase Gene in Buckwheat. <i>PLoS ONE</i> , 2016, 11, e0151187.	1.1	18
33	Direct introgression of untapped diversity into elite wheat lines. <i>Nature Food</i> , 2021, 2, 819-827.	6.2	18
34	Genome-wide association analysis of Mexican bread wheat landraces for resistance to yellow and stem rust. <i>PLoS ONE</i> , 2021, 16, e0246015.	1.1	14
35	Identification of Genomic Associations for Adult Plant Resistance in the Background of Popular South Asian Wheat Cultivar, PBW343. <i>Frontiers in Plant Science</i> , 2016, 7, 1674.	1.7	8
36	CIMMYT's Seeds of Discovery Initiative: Harnessing Biodiversity for Food Security and Sustainable Development. <i>Indian Journal of Plant Genetic Resources</i> , 2018, 31, 1.	0.1	8

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37	Strategic use of Iranian bread wheat landrace accessions for genetic improvement: Core set formulation and validation. <i>Plant Breeding</i> , 2021, 140, 87-99.	1.0	8
38	Role of Biotechnology in Rice Production. , 2017, , 487-547.		7
39	Genetic diversity in Indian rice germplasm set using phenotypic and genotypic variables simultaneously. <i>Indian Journal of Genetics and Plant Breeding</i> , 2016, 76, 246.	0.2	3
40	Global Challenges and Urgency for Partnerships to Deploy Genetic Resources. <i>Indian Journal of Plant Genetic Resources</i> , 2016, 29, 351.	0.1	3
41	Genetic analysis revealed a quantitative trait loci (QTL2A.K) on short arm of chromosome 2A associated with yellow rust resistance in wheat (<i>Triticum aestivum</i> L.). <i>Indian Journal of Genetics and Plant Breeding</i> , 2020, 80, .	0.2	1
42	Practical Omics Approaches for Drought Tolerance in Rice. , 2013, , 47-72.		0