

Mohammad Pourkheirandish

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

2,973
citations

361413

20
h-index

302126

39
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all docs

41
docs citations

41
times ranked

3622
citing authors

#	ARTICLE	IF	CITATIONS
1	Grain dispersal mechanism in cereals arose from a genome duplication followed by changes in spatial expression of genes involved in pollen development. <i>Theoretical and Applied Genetics</i> , 2022, 135, 1263-1277.	3.6	1
2	The barley leaf rust resistance gene Rph3 encodes a predicted membrane protein and is induced upon infection by avirulent pathotypes of <i>Puccinia hordei</i> . <i>Nature Communications</i> , 2022, 13, 2386.	12.8	12
3	Grain Disarticulation in Wild Wheat and Barley. <i>Plant and Cell Physiology</i> , 2022, 63, 1584-1591.	3.1	4
4	Allele mining of wheat ABA receptor at TaPYL4 suggests neo-functionalization among the wheat homoeologs. <i>Journal of Integrative Agriculture</i> , 2022, 21, 2183-2196.	3.5	3
5	Global Role of Crop Genomics in the Face of Climate Change. <i>Frontiers in Plant Science</i> , 2020, 11, 922.	3.6	45
6	Molecular genetics of leaf rust resistance in wheat and barley. <i>Theoretical and Applied Genetics</i> , 2020, 133, 2035-2050.	3.6	46
7	Wheat domestication in light of haplotype analyses of the Brittle rachis 1 genes (BTR1-A and BTR1-B). <i>Plant Science</i> , 2019, 285, 193-199.	3.6	23
8	Elucidation of the origin of <i>agriocrithon</i> based on domestication genes questions the hypothesis that Tibet is one of the centers of barley domestication. <i>Plant Journal</i> , 2018, 94, 525-534.	5.7	17
9	miR172 downregulates the translation of cleistogamy 1 in barley. <i>Annals of Botany</i> , 2018, 122, 251-265.	2.9	25
10	Wild emmer genome architecture and diversity elucidate wheat evolution and domestication. <i>Science</i> , 2017, 357, 93-97.	12.6	781
11	A GDSL-motif esterase/acyltransferase/lipase is responsible for leaf water retention in barley. <i>Plant Direct</i> , 2017, 1, e00025.	1.9	39
12	Quantitative Trait Loci and Maternal Effects Affecting the Strong Grain Dormancy of Wild Barley (<i>Hordeum vulgare</i> ssp. <i>spontaneum</i>). <i>Frontiers in Plant Science</i> , 2017, 8, 1840.	3.6	16
13	On the Origin of the Non-brittle Rachis Trait of Domesticated Einkorn Wheat. <i>Frontiers in Plant Science</i> , 2017, 8, 2031.	3.6	58
14	Molecular variability and population structure of a core collection of date palm (<i>Phoenix dactylifera</i>)	8.3	4
15	Wheat yellow mosaic virus resistance in wheat cultivar Madsen acts in roots but not in leaves. <i>Journal of General Plant Pathology</i> , 2016, 82, 261-267.	1.0	13
16	Mitogen-Activated Protein Kinase Kinase 3 Regulates Seed Dormancy in Barley. <i>Current Biology</i> , 2016, 26, 775-781.	3.9	85
17	Diversification of the promoter sequences of wheat Mother of FT and TFL1 on chromosome 3A. <i>Molecular Breeding</i> , 2015, 35, 1.	2.1	7
18	Evolution of the Grain Dispersal System in Barley. <i>Cell</i> , 2015, 162, 527-539.	28.9	265

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19	High-resolution genetic mapping and physical map construction for the fertility restorer Rfm1 locus in barley. <i>Theoretical and Applied Genetics</i> , 2015, 128, 283-290.	3.6	20
20	An alternative mechanism for cleistogamy in barley. <i>Theoretical and Applied Genetics</i> , 2013, 126, 2753-2762.	3.6	12
21	Structure, transcription and post-transcriptional regulation of the bread wheat orthologs of the barley cleistogamy gene Cly1. <i>Theoretical and Applied Genetics</i> , 2013, 126, 1273-1283.	3.6	27
22	An eceriferum locus, cer-zv, is associated with a defect in cutin responsible for water retention in barley (<i>Hordeum vulgare</i>) leaves. <i>Theoretical and Applied Genetics</i> , 2013, 126, 637-646.	3.6	14
23	Divergence of expression pattern contributed to neofunctionalization of duplicated <sc>HD</sc>â€œ<sc>Z</sc>ip <sc>I</sc> transcription factor in barley. <i>New Phytologist</i> , 2013, 197, 939-948.	7.3	67
24	Variation in the wheat <i>AP2</i> homoeologs, the genes underlying lodicule development. <i>Breeding Science</i> , 2013, 63, 255-266.	1.9	15
25	<i>Six-rowed spike4</i> (<i>Vrs4</i>) controls spikelet determinacy and row-type in barley. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 13198-13203.	7.1	140
26	Population-genetic analysis of HvABCG31 promoter sequence in wild barley (<i>Hordeum vulgare</i> ssp.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	8.2	11
27	Genetic Diversity of Cultivated Barley Landraces in Iran Measured Using Microsatellites. <i>International Journal of Bioscience, Biochemistry, Bioinformatics (IJBBB)</i> , 2012, , 287-290.	0.2	7
28	An ATP-binding cassette subfamily G full transporter is essential for the retention of leaf water in both wild barley and rice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 12354-12359.	7.1	134
29	Detection of photoperiod responsive and non-responsive flowering time QTL in barley. <i>Breeding Science</i> , 2011, 61, 183-188.	1.9	11
30	Duplication of a well-conserved homeodomain-leucine zipper transcription factor gene in barley generates a copy with more specific functions. <i>Functional and Integrative Genomics</i> , 2010, 10, 123-133.	3.5	49
31	Cleistogamous flowering in barley arises from the suppression of microRNA-guided <i>HvAP2</i> mRNA cleavage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 490-495.	7.1	201
32	Mapping of the eibi1 gene responsible for the drought hypersensitive cuticle in wild barley (<i>Hordeum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.9	15
33	Allelic variation of row type gene Vrs1 in barley and implication of the functional divergence. <i>Breeding Science</i> , 2009, 59, 621-628.	1.9	30
34	Molecular evolution and phylogeny of the RPB2 gene in the genus <i>Hordeum</i> . <i>Annals of Botany</i> , 2009, 103, 975-983.	2.9	33
35	Analysis of Intraspecies Diversity in Wheat and Barley Genomes Identifies Breakpoints of Ancient Haplotypes and Provides Insight into the Structure of Diploid and Hexaploid Triticeae Gene Pools Â. <i>Plant Physiology</i> , 2009, 149, 258-270.	4.8	38
36	Mapping of QTL for intermedium spike on barley chromosome 4H using EST-based markers. <i>Breeding Science</i> , 2009, 59, 383-390.	1.9	7

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37	Genetic targeting of candidate genes for drought sensitive gene eibi1 of wild barley (Hordeum) Tj ETQq1 1 0.784314rgBT /Oyerlock 10	1.9	10
38	Six-rowed barley originated from a mutation in a homeodomain-leucine zipper I-class homeobox gene. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 1424-1429.	7.1	563
39	The Importance of Barley Genetics and Domestication in a Global Perspective. Annals of Botany, 2007, 100, 999-1008.	2.9	125