

Harbans S Bariana

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

3,654
citations

186209

28
h-index

138417

58
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62
all docs

62
docs citations

62
times ranked

2577
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of genomic regions conferring rust resistance and enhanced mineral accumulation in a HarvestPlus Association Mapping Panel of wheat. <i>Theoretical and Applied Genetics</i> , 2022, 135, 865-882.	1.8	4
2	Identification and Characterisation of Stripe Rust Resistance Genes Yr66 and Yr67 in Wheat Cultivar VL Gehun 892. <i>Agronomy</i> , 2022, 12, 318.	1.3	7
3	Adult plant stem rust resistance in durum wheat Glossy Huguenot: mapping, marker development and validation. <i>Theoretical and Applied Genetics</i> , 2022, 135, 1541-1550.	1.8	11
4	Molecular mapping of all-stage stripe rust resistance in Indian wheat (<i>Triticum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td	1.0	0
5	Discovery of the New Leaf Rust Resistance Gene Lr82 in Wheat: Molecular Mapping and Marker Development. <i>Genes</i> , 2022, 13, 964.	1.0	18
6	Lr80: A new and widely effective source of leaf rust resistance of wheat for enhancing diversity of resistance among modern cultivars. <i>Theoretical and Applied Genetics</i> , 2021, 134, 849-858.	1.8	54
7	An adult plant stripe rust resistance gene maps on chromosome 7A of Australian wheat cultivar Axe. <i>Theoretical and Applied Genetics</i> , 2021, 134, 2213-2220.	1.8	9
8	Molecular mapping of all stage stripe rust resistance gene YrPak in wheat landrace PI388231. <i>Euphytica</i> , 2021, 217, 1.	0.6	2
9	Mapping of Two New Rust Resistance Genes Uvf-2 and Uvf-3 in Faba Bean. <i>Agronomy</i> , 2021, 11, 1370.	1.3	14
10	Genetics of stripe rust resistance in a common wheat landrace Aus27492 and its transfer to modern wheat cultivars. <i>Canadian Journal of Plant Pathology</i> , 2021, 43, S256-S262.	0.8	4
11	Genetic dissection of stripe rust resistance in a Tunisian wheat landrace Aus26670. <i>Molecular Breeding</i> , 2021, 41, 1.	1.0	4
12	A durum wheat adult plant stripe rust resistance QTL and its relationship with the bread wheat Yr80 locus. <i>Theoretical and Applied Genetics</i> , 2020, 133, 3049-3066.	1.8	10
13	Mapping of Adult Plant Leaf Rust Resistance in Aus27506 and Validation of Underlying Loci by In-Planta Fungal Biomass Accumulation. <i>Agronomy</i> , 2020, 10, 943.	1.3	4
14	Genomic Prediction of Rust Resistance in Tetraploid Wheat under Field and Controlled Environment Conditions. <i>Agronomy</i> , 2020, 10, 1843.	1.3	7
15	Genome-wide association reveals a complex architecture for rust resistance in 2300 worldwide bread wheat accessions screened under various Australian conditions. <i>Theoretical and Applied Genetics</i> , 2020, 133, 2695-2712.	1.8	22
16	Identification of a new source of stripe rust resistance Yr82 in wheat. <i>Theoretical and Applied Genetics</i> , 2019, 132, 3169-3176.	1.8	75
17	Marker Assisted Transfer of Stripe Rust and Stem Rust Resistance Genes into Four Wheat Cultivars. <i>Agronomy</i> , 2019, 9, 497.	1.3	31
18	Molecular Mapping of Stripe Rust Resistance Gene Yr81 in a Common Wheat Landrace Aus27430. <i>Plant Disease</i> , 2019, 103, 1166-1171.	0.7	68

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19	Identification of recombinants carrying stripe rust resistance gene Yr57 and adult plant stem rust resistance gene Sr2 through marker-assisted selection. <i>Plant Breeding</i> , 2019, 138, 148-153.	1.0	2
20	Fine Mapping of Lr49 Using 90K SNP Chip Array and Flow-Sorted Chromosome Sequencing in Wheat. <i>Frontiers in Plant Science</i> , 2019, 10, 1787.	1.7	27
21	A new leaf rust resistance gene Lr79 mapped in chromosome 3BL from the durum wheat landrace Aus26582. <i>Theoretical and Applied Genetics</i> , 2018, 131, 1091-1098.	1.8	85
22	Characterisation and mapping of adult plant stripe rust resistance in wheat accession Aus27284. <i>Theoretical and Applied Genetics</i> , 2018, 131, 1459-1467.	1.8	110
23	Cloning of the wheat Yr15 resistance gene sheds light on the plant tandem kinase-pseudokinase family. <i>Nature Communications</i> , 2018, 9, 3735.	5.8	204
24	Development of co-dominant KASP markers co-segregating with Ug99 effective stem rust resistance gene Sr26 in wheat. <i>Molecular Breeding</i> , 2018, 38, 1.	1.0	21
25	Development of robust molecular markers for marker-assisted selection of leaf rust resistance gene Lr23 in common and durum wheat breeding programs. <i>Molecular Breeding</i> , 2017, 37, 1.	1.0	49
26	Detection and validation of genomic regions associated with resistance to rust diseases in a worldwide hexaploid wheat landrace collection using BayesR and mixed linear model approaches. <i>Theoretical and Applied Genetics</i> , 2017, 130, 777-793.	1.8	67
27	Tight repulsion linkage between Sr36 and Sr39 was revealed by genetic, cytogenetic and molecular analyses. <i>Theoretical and Applied Genetics</i> , 2017, 130, 587-595.	1.8	16
28	Genetic and Molecular Characterization of Leaf Rust Resistance in Two Durum Wheat Landraces. <i>Phytopathology</i> , 2017, 107, 1381-1387.	1.1	11
29	Advances in Identification and Mapping of Rust Resistance Genes in Wheat. <i>Methods in Molecular Biology</i> , 2017, 1659, 151-162.	0.4	3
30	Fine mapping of the chromosome 5B region carrying closely linked rust resistance genes Yr47 and Lr52 in wheat. <i>Theoretical and Applied Genetics</i> , 2017, 130, 495-504.	1.8	34
31	Genetic control of mesophyll conductance in common wheat. <i>New Phytologist</i> , 2016, 209, 461-465.	3.5	26
32	Molecular markers for adult plant leaf rust resistance gene Lr48 in wheat. <i>Molecular Breeding</i> , 2016, 36, 1.	1.0	39
33	<i>Yr58</i> : A New Stripe Rust Resistance Gene and Its Interaction with <i>Yr46</i> for Enhanced Resistance. <i>Phytopathology</i> , 2016, 106, 1530-1534.	1.1	31
34	Adult plant stripe rust resistance gene Yr71 maps close to Lr24 in chromosome 3D of common wheat. <i>Molecular Breeding</i> , 2016, 36, 1.	1.0	33
35	Genomic regions conferring resistance to rust diseases of wheat in a W195/BTSS mapping population. <i>Euphytica</i> , 2016, 209, 637-649.	0.6	24
36	Postulation of rust resistance genes in Nordic spring wheat genotypes and identification of widely effective sources of resistance against the Australian rust flora. <i>Journal of Applied Genetics</i> , 2016, 57, 453-465.	1.0	15

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37	The wheat Sr50 gene reveals rich diversity at a cereal disease resistance locus. <i>Nature Plants</i> , 2015, 1, 15186.	4.7	209
38	Mapping of a new stripe rust resistance locus Yr57 on chromosome 3BS of wheat. <i>Molecular Breeding</i> , 2015, 35, 1.	1.0	60
39	Evaluation of marker-assisted selection for the stripe rust resistance gene Yr15, introgressed from wild emmer wheat. <i>Molecular Breeding</i> , 2015, 35, 1.	1.0	74
40	Mapping of a new stem rust resistance gene Sr49 in chromosome 5B of wheat. <i>Theoretical and Applied Genetics</i> , 2015, 128, 2113-2119.	1.8	31
41	A haplotype map of allohexaploid wheat reveals distinct patterns of selection on homoeologous genomes. <i>Genome Biology</i> , 2015, 16, 48.	3.8	216
42	A recently evolved hexose transporter variant confers resistance to multiple pathogens in wheat. <i>Nature Genetics</i> , 2015, 47, 1494-1498.	9.4	575
43	Development of IRAP- and REMAP-derived SCAR markers for marker-assisted selection of the stripe rust resistance gene Yr15 derived from wild emmer wheat. <i>Theoretical and Applied Genetics</i> , 2015, 128, 211-219.	1.8	35
44	Detection of puroindoline (Pina-D1 and Pinb-D1) allelic variation in wheat landraces. <i>Journal of Cereal Science</i> , 2014, 60, 610-616.	1.8	15
45	Mapping of durable stripe rust resistance in a durum wheat cultivar Wollaroi. <i>Molecular Breeding</i> , 2014, 33, 51-59.	1.0	84
46	Molecular mapping of stripe rust resistance gene Yr51 in chromosome 4AL of wheat. <i>Theoretical and Applied Genetics</i> , 2014, 127, 317-324.	1.8	105
47	Molecular mapping of an adult plant stem rust resistance gene Sr56 in winter wheat cultivar Arina. <i>Theoretical and Applied Genetics</i> , 2014, 127, 1441-1448.	1.8	84
48	Genomic prediction for rust resistance in diverse wheat landraces. <i>Theoretical and Applied Genetics</i> , 2014, 127, 1795-1803.	1.8	114
49	Postulation of resistance genes and assessment of adult plant response variation for stripe rust in three international wheat nurseries. <i>Indian Journal of Genetics and Plant Breeding</i> , 2014, 74, 1.	0.2	2
50	Mapping of flag smut resistance in common wheat. <i>Molecular Breeding</i> , 2013, 32, 699-707.	1.0	8
51	Exploring wheat landraces for rust resistance using a single marker scan. <i>Euphytica</i> , 2013, 194, 219-233.	0.6	30
52	Disease Resistance. , 2013, , 291-314.		10
53	The Gene <i>Sr33</i> , an Ortholog of Barley <i>Mla</i> Genes, Encodes Resistance to Wheat Stem Rust Race Ug99. <i>Science</i> , 2013, 341, 786-788.	6.0	370
54	Genetic mapping and marker development for resistance of wheat against the root lesion nematode <i>Pratylenchus neglectus</i> . <i>BMC Plant Biology</i> , 2013, 13, 230.	1.6	35

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55	Microsatellite mapping identifies TTKST-effective stem rust resistance gene in wheat cultivars VL404 and Janz. <i>Molecular Breeding</i> , 2012, 30, 1757-1765.	1.0	7
56	A robust molecular marker for the detection of shortened introgressed segment carrying the stem rust resistance gene Sr22 in common wheat. <i>Theoretical and Applied Genetics</i> , 2011, 122, 1-7.	1.8	48
57	New slow-rusting leaf rust and stripe rust resistance genes Lr67 and Yr46 in wheat are pleiotropic or closely linked. <i>Theoretical and Applied Genetics</i> , 2011, 122, 239-249.	1.8	224
58	Evaluation of seedling and adult plant resistance in European wheat cultivars to Australian isolates of <i>Puccinia striiformis</i> f. sp. <i>tritici</i> . <i>Euphytica</i> , 2008, 163, 283-301.	0.6	9
59	Analysis of the <i>Lr34/Yr18</i> Rust Resistance Region in Wheat Germplasm. <i>Crop Science</i> , 2008, 48, 1841-1852.	0.8	155
60	Preface to 'Global Landscapes in Cereal Rust Control'. <i>Australian Journal of Agricultural Research</i> , 2007, 58, 469.	1.5	10