Urmil Bansal

List of Publications by Year
in descending order

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93 papers	3,981 citations	109264 35 h-index	133188 59 g-index
96 all docs	96 docs citations	96 times ranked	2492 citing authors

#	Article	IF	Citations
1	Identification of genomic regions conferring rust resistance and enhanced mineral accumulation in a HarvestPlus Association Mapping Panel ofÂwheat. Theoretical and Applied Genetics, 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. Agronomy, 2022, 12, 318.	1.3	7
3	Adult plant stem rust resistance in durum wheat Glossy Huguenot: mapping, marker development and validation. Theoretical and Applied Genetics, 2022, 135, 1541-1550.	1.8	11
4	Molecular mapping of allâ€stage stripe rust resistance in Indian wheat (<scp><i>Triticum) 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. Genes, 2022, 13, 964.	1.0	18
6	Pathogenic Specialization in Uromyces viciae-fabae in Australia and Rust Resistance in Faba Bean. Plant Disease, 2021, 105, 636-642.	0.7	3
7	Lr80: A new and widely effective source of leaf rust resistance of wheat for enhancing diversity of resistance among modern cultivars. Theoretical and Applied Genetics, 2021, 134, 849-858.	1.8	54
8	An adult plant stripe rust resistance gene maps on chromosome 7A of Australian wheat cultivar Axe. Theoretical and Applied Genetics, 2021, 134, 2213-2220.	1.8	9
9	Relationship between resistance and tolerance of crown rot in bread wheat. Field Crops Research, 2021, 265, 108106.	2.3	13
10	Molecular mapping of all stage stripe rust resistance gene YrPak in wheat landrace PI388231. Euphytica, 2021, 217, 1.	0.6	2
11	A robust KASP marker for selection of four pairs of linked leaf rust and stripe rust resistance genes introgressed on chromosome arm 5DS from different wheat genomes. Molecular Biology Reports, 2021, 48, 5209-5216.	1.0	2
12	Mapping of Two New Rust Resistance Genes Uvf-2 and Uvf-3 in Faba Bean. Agronomy, 2021, 11, 1370.	1.3	14
13	Genetics of stripe rust resistance in a common wheat landrace Aus27492 and its transfer to modern wheat cultivars. Canadian Journal of Plant Pathology, 2021, 43, S256-S262.	0.8	4
14	Genetic dissection of stripe rust resistance in a Tunisian wheat landrace Aus26670. Molecular Breeding, 2021, 41, 1.	1.0	4
15	A durum wheat adult plant stripe rust resistance QTL and its relationship with the bread wheat Yr80 locus. Theoretical and Applied Genetics, 2020, 133, 3049-3066.	1.8	10
16	Mapping of Adult Plant Leaf Rust Resistance in Aus27506 and Validation of Underlying Loci by In-Planta Fungal Biomass Accumulation. Agronomy, 2020, 10, 943.	1.3	4
17	Genomic Prediction of Rust Resistance in Tetraploid Wheat under Field and Controlled Environment Conditions. Agronomy, 2020, 10, 1843.	1.3	7
18	Discovery and characterisation of a new leaf rust resistance gene introgressed in wheat from wild wheat Aegilops peregrina. Scientific Reports, 2020, 10, 7573.	1.6	13

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19	Genome-wide association reveals a complex architecture for rust resistance in 2300 worldwide bread wheat accessions screened under various Australian conditions. Theoretical and Applied Genetics, 2020, 133, 2695-2712.	1.8	22
20	Marker-assisted recurrent selection improves the crown rot resistance of bread wheat. Molecular Breeding, 2020, 40, 1.	1.0	25
21	Australian Uromyces viciaeâ€fabae : Host and nonhost interaction among cultivated grain legumes. Plant Pathology, 2020, 69, 1227-1236.	1.2	3
22	Temperatureâ€sensitive wheat stem rust resistance gene Sr15 is effective against Puccinia graminis f. sp. tritici race TTKSK. Plant Pathology, 2019, 68, 143-151.	1.2	9
23	Identification of a new source of stripe rust resistance Yr82 in wheat. Theoretical and Applied Genetics, 2019, 132, 3169-3176.	1.8	75
24	Marker Assisted Transfer of Stripe Rust and Stem Rust Resistance Genes into Four Wheat Cultivars. Agronomy, 2019, 9, 497.	1.3	31
25	Molecular Mapping of Stripe Rust Resistance Gene Yr81 in a Common Wheat Landrace Aus27430. Plant Disease, 2019, 103, 1166-1171.	0.7	68
26	Identification of recombinants carrying stripe rust resistance geneYr57and adult plant stem rust resistance geneSr2through markerâ€assisted selection. Plant Breeding, 2019, 138, 148-153.	1.0	2
27	Fine Mapping of Lr49 Using 90K SNP Chip Array and Flow-Sorted Chromosome Sequencing in Wheat. Frontiers in Plant Science, 2019, 10, 1787.	1.7	27
28	An analysis of wheat yield and adaptation in India. Field Crops Research, 2018, 219, 192-213.	2.3	7
29	A new leaf rust resistance gene Lr79 mapped in chromosome 3BL from the durum wheat landrace Aus26582. Theoretical and Applied Genetics, 2018, 131, 1091-1098.	1.8	85
30	Genetic Relationship of Stripe Rust Resistance Genes Yr34 and Yr48 in Wheat and Identification of Linked KASP Markers. Plant Disease, 2018, 102, 413-420.	0.7	50
31	Characterisation and mapping of adult plant stripe rust resistance in wheat accession Aus27284. Theoretical and Applied Genetics, 2018, 131, 1459-1467.	1.8	110
32	Molecular mapping of linked leaf rust resistance and non-glaucousness gene introgressed from Aegilops tauschii Coss. in hexaploid wheat Triticum aestivum L.. Plant Genetic Resources: Characterisation and Utilisation, 2018, 16, 82-88.	0.4	3
33	Adult Plant Leaf Rust Resistance Derived from the Soft Red Winter Wheat Cultivar â€˜Caldwellâ€™ Maps to Chromosome 3BS. Crop Science, 2018, 58, 152-158.	0.8	34
34	Development of co-dominant KASP markers co-segregating with Ug99 effective stem rust resistance gene Sr26 in wheat. Molecular Breeding, 2018, 38, 1.	1.0	21
35	Mapping of Aegilops umbellulataâ€derived leaf rust and stripe rust resistance loci in wheat. Plant Pathology, 2017, 66, 38-44.	1.2	81
36	Development of robust molecular markers for marker-assisted selection of leaf rust resistance gene Lr23 in common and durum wheat breeding programs. Molecular Breeding, 2017, 37, 1.	1.0	49

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37	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. Theoretical and Applied Genetics, 2017, 130, 777-793.	1.8	67
38	Tight repulsion linkage between Sr36 and Sr39 was revealed by genetic, cytogenetic and molecular analyses. Theoretical and Applied Genetics, 2017, 130, 587-595.	1.8	16
39	Inheritance and characterization of the new and rare gene Rph25 conferring seedling resistance in Hordeum vulgare against Puccinia hordei. Plant Breeding, 2017, 136, 908-912.	1.0	28
40	Genetic and Molecular Characterization of Leaf Rust Resistance in Two Durum Wheat Landraces. Phytopathology, 2017, 107, 1381-1387.	1.1	11
41	Advances in Identification and Mapping of Rust Resistance Genes in Wheat. Methods in Molecular Biology, 2017, 1659, 151-162.	0.4	3
42	Characterization of Lr75: a partial, broad-spectrum leaf rust resistance gene in wheat. Theoretical and Applied Genetics, 2017, 130, 1-12.	1.8	130
43	Fine mapping of the chromosome 5B region carrying closely linked rust resistance genes Yr47 and Lr52 in wheat. Theoretical and Applied Genetics, 2017, 130, 495-504.	1.8	34
44	Genetic Diversity, Population Structure and Ancestral Origin of Australian Wheat. Frontiers in Plant Science, 2017, 8, 2115.	1.7	47
45	Genetic control of mesophyll conductance in common wheat. New Phytologist, 2016, 209, 461-465.	3.5	26
46	Molecular markers for adult plant leaf rust resistance gene Lr48 in wheat. Molecular Breeding, 2016, 36, 1.	1.0	39
47	Identification and mapping of resistance to stem rust in the European winter wheat cultivars Spark and Rialto. Molecular Breeding, 2016, 36, 1.	1.0	2
48	Yr58: A New Stripe Rust Resistance Gene and Its Interaction with Yr46 for Enhanced Resistance. Phytopathology, 2016, 106, 1530-1534.	1.1	31
49	Adult plant stripe rust resistance gene Yr71 maps close to Lr24 in chromosome 3D of common wheat. Molecular Breeding, 2016, 36, 1.	1.0	33
50	Genomic regions conferring resistance to rust diseases of wheat in a W195/BTSS mapping population. Euphytica, 2016, 209, 637-649.	0.6	24
51	Postulation of rust resistance genes in Nordic spring wheat genotypes and identification of widely effective sources of resistance against the Australian rust flora. Journal of Applied Genetics, 2016, 57, 453-465.	1.0	15
52	The relationship of leaf rust resistance gene Lr13 and hybrid necrosis gene Ne2m on wheat chromosome 2BS. Theoretical and Applied Genetics, 2016, 129, 485-493.	1.8	43
53	Marker development, saturation mapping, and high-resolution mapping of the Septoria nodorum blotch susceptibility gene Snn3-B1 in wheat. Molecular Genetics and Genomics, 2016, 291, 107-119.	1.0	41
54	Assessing the vulnerability of wheat germplasm from Bangladesh and Nepal to Ug99 stem rust. Phytoparasitica, 2015, 43, 637-645.	0.6	5

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55	The wheat Sr50 gene reveals rich diversity at a cereal disease resistance locus. Nature Plants, 2015, 1, 15186.	4.7	209
56	Identification of new sources of adult plant resistance to Puccinia hordei in international barley (Hordeum vulgare L.) germplasm. European Journal of Plant Pathology, 2015, 141, 463-476.	0.8	15
57	Mapping of a new stripe rust resistance locus Yr57 on chromosome 3BS of wheat. Molecular Breeding, 2015, 35, 1.	1.0	60
58	Mapping of a new stem rust resistance gene Sr49 in chromosome 5B of wheat. Theoretical and Applied Genetics, 2015, 128, 2113-2119.	1.8	31
59	A haplotype map of allohexaploid wheat reveals distinct patterns of selection on homoeologous genomes. Genome Biology, 2015, 16, 48.	3.8	216
60	Yr60, a Gene Conferring Moderate Resistance to Stripe Rust in Wheat. Plant Disease, 2015, 99, 508-511.	0.7	45
61	Detection of puroindoline (Pina-D1 and Pinb-D1) allelic variation in wheat landraces. Journal of Cereal Science, 2014, 60, 610-616.	1.8	15
62	Mapping of durable stripe rust resistance in a durum wheat cultivar Wollaroi. Molecular Breeding, 2014, 33, 51-59.	1.0	84
63	Identification of a robust molecular marker for the detection of the stem rust resistance gene Sr45 in common wheat. Theoretical and Applied Genetics, 2014, 127, 947-955.	1.8	62
64	Molecular mapping of stripe rust resistance gene Yr51 in chromosome 4AL of wheat. Theoretical and Applied Genetics, 2014, 127, 317-324.	1.8	105
65	Molecular mapping of an adult plant stem rust resistance gene Sr56 in winter wheat cultivar Arina. Theoretical and Applied Genetics, 2014, 127, 1441-1448.	1.8	84
66	Genomic prediction for rust resistance in diverse wheat landraces. Theoretical and Applied Genetics, 2014, 127, 1795-1803.	1.8	114
67	Development and validation of molecular markers linked with stem rust resistance gene Sr13 in durum wheat. Crop and Pasture Science, 2014, 65, 74.	0.7	11
68	Postulation of resistance genes and assessment of adult plant response variation for stripe rust in three international wheat nurseries. Indian Journal of Genetics and Plant Breeding, 2014, 74, 1.	0.2	2
69	Mapping of flag smut resistance in common wheat. Molecular Breeding, 2013, 32, 699-707.	1.0	8
70	Development of wheatâ€“Aegilops speltoides recombinants and simple PCR-based markers for Sr32 and a new stem rust resistance gene on the 2S#1 chromosome. Theoretical and Applied Genetics, 2013, 126, 2943-2955.	1.8	60
71	Molecular mapping of leaf rust resistance gene Lr15 in hexaploid wheat. Molecular Breeding, 2013, 31, 743-747.	1.0	14
72	Exploring wheat landraces for rust resistance using a single marker scan. Euphytica, 2013, 194, 219-233.	0.6	30

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73	Disease Resistance. , 2013, , 291-314.		10
74	The Gene Sr33, an Ortholog of Barley Mla Genes, Encodes Resistance to Wheat Stem Rust Race Ug99. Science, 2013, 341, 786-788.	6.0	370
75	Characterization of stem rust resistance in old tetraploid wheat landraces from the Watkins collection. Genetic Resources and Crop Evolution, 2013, 60, 2081-2089.	0.8	9
76	Inheritance and molecular mapping of a gene conferring seedling resistance against Puccinia hordei in the barley cultivar Ricardo. Theoretical and Applied Genetics, 2012, 125, 1403-1411.	1.8	31
77	Microsatellite mapping identifies TTKST-effective stem rust resistance gene in wheat cultivars VL404 and Janz. Molecular Breeding, 2012, 30, 1757-1765.	1.0	7
78	Rapid phenotyping for adultâ€plant resistance to stripe rust in wheat. Plant Breeding, 2012, 131, 54-61.	1.0	63
79	A robust molecular marker for the detection of shortened introgressed segment carrying the stem rust resistance gene Sr22 in common wheat. Theoretical and Applied Genetics, 2011, 122, 1-7.	1.8	48
80	Characterisation of a new stripe rust resistance gene Yr47 and its genetic association with the leaf rust resistance gene Lr52. Theoretical and Applied Genetics, 2011, 122, 1461-1466.	1.8	69
81	QTL mapping of multiple foliar disease and root-lesion nematode resistances in wheat. Molecular Breeding, 2010, 26, 107-124.	1.0	154
82	Chromosomal location of an uncharacterised stripe rust resistance gene in wheat. Euphytica, 2010, 171, 121-127.	0.6	50
83	Inheritance and chromosome location of leaf rust resistance in durum wheat cultivar Wollaroi. Euphytica, 2010, 175, 351-355.	0.6	12
84	Molecular mapping of adult plant stripe rust resistance in wheat and identification of pyramided QTL genotypes. Euphytica, 2010, 176, 251-260.	0.6	112
85	Development of wheat lines carrying stem rust resistance gene Sr39 with reduced Aegilops speltoides chromatin and simple PCR markers for marker-assisted selection. Theoretical and Applied Genetics, 2009, 119, 1441-1450.	1.8	84
86	Relationship between wheat rust resistance genes Yr1 and Sr48 and a microsatellite marker. Plant Pathology, 2009, 58, 1039-1043.	1.2	56
87	Genetic mapping of seedling and adult plant stem rust resistance in two European winter wheat cultivars. Euphytica, 2008, 164, 821-828.	0.6	37
88	Inheritance of leaf rust resistance in wheat lines carryingAegilops speltoides Tausch. translocation in Chinese Spring background. Journal of Applied Genetics, 2008, 49, 141-145.	1.0	3
89	Genetic mapping of adult plant leaf rust resistance genes Lr48 and Lr49 in common wheat. Theoretical and Applied Genetics, 2008, 117, 307-312.	1.8	70
90	Genetics of leaf and stripe rust resistance in a bread wheat cultivar Tonichi. Journal of Genetics, 2008, 87, 191-194.	0.4	3

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91	Breeding triple rust resistant wheat cultivars for Australia using conventional and marker-assisted selection technologies. Australian Journal of Agricultural Research, 2007, 58, 576.	1.5	114
92	Genetics of adult plant stripe rust resistance in CSP44, a selection from Australian wheat. Journal of Genetics, 2005, 84, 337-340.	0.4	7
93	Oil composition of diverse groundnut (Arachis hypogaea L) genotypes in relation to different environments. Journal of the Science of Food and Agriculture, 1993, 63, 17-19.	1.7	28