

# M A Saghai Maroof

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3065066/publications.pdf>

Version: 2024-02-01

107  
papers

13,675  
citations

36203

51  
h-index

29081

104  
g-index

107  
all docs

107  
docs citations

107  
times ranked

7622  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ribosomal DNA spacer-length polymorphisms in barley: mendelian inheritance, chromosomal location, and population dynamics.. Proceedings of the National Academy of Sciences of the United States of America, 1984, 81, 8014-8018.	3.3	4,434
2	Importance of epistasis as the genetic basis of heterosis in an elite rice hybrid. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 9226-9231.	3.3	660
3	A molecular, isozyme and morphological map of the barley ( <i>Hordeum vulgare</i> ) genome. Theoretical and Applied Genetics, 1993, 86, 705-712.	1.8	652
4	Extraordinarily polymorphic microsatellite DNA in barley: species diversity, chromosomal locations, and population dynamics.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 5466-5470.	3.3	558
5	Patterns of cytosine methylation in an elite rice hybrid and its parental lines, detected by a methylation-sensitive amplification polymorphism technique. Molecular Genetics and Genomics, 1999, 261, 439-446.	2.4	456
6	Chloroplast DNA polymorphisms in lodgepole and jack pines and their hybrids.. Proceedings of the National Academy of Sciences of the United States of America, 1987, 84, 2097-2100.	3.3	409
7	Isolation of a superfamily of candidate disease-resistance genes in soybean based on a conserved nucleotide-binding site.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 11751-11756.	3.3	332
8	Development of simple sequence repeat DNA markers and their integration into a barley linkage map. Theoretical and Applied Genetics, 1996, 93-93, 869-876.	1.8	323
9	Using bulked extremes and recessive class to map genes for photoperiod-sensitive genic male sterility in rice.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 8675-8679.	3.3	248
10	Amplified fragment length polymorphism (AFLP) in soybean: species diversity, inheritance, and near-isogenic line analysis. Theoretical and Applied Genetics, 1996, 93, 392-401.	1.8	234
11	Genetic diversity and differentiation of indica and japonica rice detected by RFLP analysis. Theoretical and Applied Genetics, 1992, 83, 495-499.	1.8	228
12	Comparative analysis of microsatellite DNA polymorphism in landraces and cultivars of rice. Molecular Genetics and Genomics, 1994, 245, 187-194.	2.4	198
13	Regions of the Genome that Affect Agronomic Performance in Two-Row Barley. Crop Science, 1996, 36, 1053-1062.	0.8	191
14	RFLP and Microsatellite Mapping of a Gene for Soybean Mosaic Virus Resistance. Phytopathology, 1994, 84, 60.	1.1	188
15	A Modified Colorimetric Method for Phytic Acid Analysis in Soybean. Crop Science, 2007, 47, 1797-1803.	0.8	182
16	Differential Accumulation of Retroelements and Diversification of NB-LRR Disease Resistance Genes in Duplicated Regions following Polyploidy in the Ancestor of Soybean. Plant Physiology, 2008, 148, 1740-1759.	2.3	140
17	A diallel analysis of heterosis in elite hybrid rice based on RFLPs and microsatellites. Theoretical and Applied Genetics, 1994, 89-89, 185-192.	1.8	139
18	Molecular Marker Mapping of <i>RSV4</i> , a Gene Conferring Resistance to all Known Strains of Soybean Mosaic Virus. Crop Science, 2000, 40, 1434-1437.	0.8	139

#	ARTICLE	IF	CITATIONS
19	Recombination Within a Nucleotide-Binding-Site/Leucine-Rich-Repeat Gene Cluster Produces New Variants Conditioning Resistance to Soybean Mosaic Virus in Soybeans. <i>Genetics</i> , 2004, 166, 493-503.	1.2	139
20	Molecular Markers and Grouping of Parents in Maize Breeding Programs. <i>Crop Science</i> , 1991, 31, 718-723.	0.8	138
21	Molecular-marker analysis of seed-weight: genomic locations, gene action, and evidence for orthologous evolution among three legume species. <i>Theoretical and Applied Genetics</i> , 1996, 93, 574-579.	1.8	134
22	Microsatellite and amplified sequence length polymorphisms in cultivated and wild soybean. <i>Genome</i> , 1995, 38, 715-723.	0.9	128
23	Identification of Molecular Markers Associated with Adult Plant Resistance to Powdery Mildew in Common Wheat Cultivar Massey. <i>Crop Science</i> , 2001, 41, 1268-1275.	0.8	106
24	Genetic and Sequence Analysis of Markers Tightly Linked to the <i>Soybean mosaic virus</i> Resistance Gene, <i>Rsv3</i> . <i>Crop Science</i> , 2002, 42, 265-270.	0.8	99
25	Validation of two major quantitative trait loci for fusarium head blight resistance in Chinese wheat line W14. <i>Plant Breeding</i> , 2006, 125, 99-101.	1.0	99
26	Molecular marker heterozygosity and hybrid performance in indica and japonica rice. <i>Theoretical and Applied Genetics</i> , 1996, 93, 1218-1224.	1.8	96
27	Pyramiding of Soybean Mosaic Virus Resistance Genes by Marker-Assisted Selection. <i>Crop Science</i> , 2008, 48, 517-526.	0.8	96
28	Analysis of the barley and rice genomes by comparative RFLP linkage mapping. <i>Theoretical and Applied Genetics</i> , 1996, 92, 541-551.	1.8	90
29	Identification of quantitative trait loci controlling resistance to gray leaf spot disease in maize. <i>Theoretical and Applied Genetics</i> , 1996, 93, 539-546.	1.8	86
30	Physiological and transcriptomic characterization of submergence and reoxygenation responses in soybean seedlings. <i>Plant, Cell and Environment</i> , 2014, 37, 2350-2365.	2.8	86
31	Molecular divergence and hybrid performance in rice. <i>Molecular Breeding</i> , 1995, 1, 133-142.	1.0	85
32	Genetic diversity and ecogeographical differentiation among ribosomal DNA alleles in wild and cultivated barley.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1990, 87, 8486-8490.	3.3	82
33	Isozyme variation within and among populations of <i>Rhynchosporium secalis</i> in Europe, Australia and the United States. <i>Mycological Research</i> , 1993, 97, 49-58.	2.5	82
34	Rpg1, a soybean gene effective against races of bacterial blight, maps to a cluster of previously identified disease resistance genes. <i>Theoretical and Applied Genetics</i> , 1998, 96, 1013-1021.	1.8	80
35	Identification of quantitative trait loci controlling sucrose content in soybean ( <i>Glycine max</i> ). <i>Molecular Breeding</i> , 2000, 6, 105-111.	1.0	77
36	Evolution of a Complex Disease Resistance Gene Cluster in Diploid <i>Phaseolus</i> and Tetraploid <i>Glycine</i> . <i>Plant Physiology</i> , 2012, 159, 336-354.	2.3	76

#	ARTICLE	IF	CITATIONS
37	Detection and genotyping of SNPs tightly linked to two disease resistance loci, Rsv1 and Rsv3, of soybean. <i>Plant Breeding</i> , 2004, 123, 305-310.	1.0	74
38	Fine Mapping and Candidate Gene Discovery of the Soybean Mosaic Virus Resistance Gene, <i>Rsv4</i> . <i>Plant Genome</i> , 2010, 3, .	1.6	69
39	An analysis of hybrid sterility in rice using a diallel cross of 21 parents involving indica, japonica and wide compatibility varieties. <i>Euphytica</i> , 1996, 90, 275-280.	0.6	68
40	Genetic variants in root architecture-related genes in a Glycine soja accession, a potential resource to improve cultivated soybean. <i>BMC Genomics</i> , 2015, 16, 132.	1.2	67
41	<i>Soybean mosaic virus</i> : a successful potyvirus with a wide distribution but restricted natural host range. <i>Molecular Plant Pathology</i> , 2018, 19, 1563-1579.	2.0	67
42	Molecular marker diversity and hybrid sterility in indica-japonica rice crosses. <i>Theoretical and Applied Genetics</i> , 1997, 95, 112-118.	1.8	66
43	The HC-Pro and P3 Cistrons of an Avirulent <i>Soybean mosaic virus</i> Are Recognized by Different Resistance Genes at the Complex <i>Rsv1</i> Locus. <i>Molecular Plant-Microbe Interactions</i> , 2013, 26, 203-215.	1.4	63
44	Targeted resistance gene mapping in soybean using modified AFLPs. <i>Theoretical and Applied Genetics</i> , 2000, 100, 1279-1283.	1.8	62
45	Correlation between Molecular Marker Distance and Hybrid Performance in U.S. Southern Long Grain Rice. <i>Crop Science</i> , 1997, 37, 145-150.	0.8	61
46	Genetic and Sequence Analysis of Markers Tightly Linked to the Soybean mosaic virus Resistance Gene, Rsv3. <i>Crop Science</i> , 2002, 42, 265-270.	0.8	59
47	Replication of Nonautonomous Retroelements in Soybean Appears to Be Both Recent and Common. <i>Plant Physiology</i> , 2008, 148, 1760-1771.	2.3	57
48	Amino acid changes in P3, and not the overlapping <i>pipo</i> -encoded protein, determine virulence of <i>Soybean mosaic virus</i> on functionally immune <i>Rsv1</i> genotype soybean. <i>Molecular Plant Pathology</i> , 2011, 12, 799-807.	2.0	56
49	Confirmation of Three Quantitative Trait Loci Conferring Adult Plant Resistance to Powdery Mildew in Two Winter Wheat Populations. <i>Euphytica</i> , 2007, 155, 1-13.	0.6	55
50	Title is missing!. <i>Molecular Breeding</i> , 1998, 4, 129-136.	1.0	54
51	Application of comparative genomics in developing molecular markers tightly linked to the virus resistance gene Rsv4 in soybean. <i>Genome</i> , 2006, 49, 380-388.	0.9	54
52	Genetic Basis of the Low Phytate Trait in the Soybean Line CX1834. <i>Crop Science</i> , 2009, 49, 69-76.	0.8	53
53	Mapping Quantitative Trait Loci for Partial Resistance to <i>Phytophthora sojae</i> in a Soybean Interspecific Cross. <i>Crop Science</i> , 2010, 50, 628-635.	0.8	53
54	Infection and genotype remodel the entire soybean transcriptome. <i>BMC Genomics</i> , 2009, 10, 49.	1.2	50

#	ARTICLE	IF	CITATIONS
55	Effects on adaptedness of variations in ribosomal DNA copy number in populations of wild barley ( <i>Hordeum vulgare</i> ssp. <i>spontaneum</i> ).. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 8741-8745.	3.3	47
56	Genetic and Sequence Analysis of Markers Tightly Linked to the Resistance Gene, 3. Crop Science, 2002, 42, 265.	0.8	47
57	Interrelationships among Agronomic and Seed Quality Traits in an Interspecific Soybean Recombinant Inbred Population. Crop Science, 2006, 46, 1253-1259.	0.8	45
58	Amplified fragment length polymorphism (AFLP) in soybean: species diversity, inheritance, and near-isogenic line analysis. Theoretical and Applied Genetics, 1996, 93, 392-401.	1.8	45
59	Identification of Candidate Gene Mutation Associated With Low Stachyose Phenotype in Soybean Line PI200508. Crop Science, 2009, 49, 247-255.	0.8	43
60	Genetic and molecular organization of ribosomal DNA (rDNA) variants in wild and cultivated barley.. Genetics, 1990, 126, 743-751.	1.2	40
61	Diversity and evolution of a non-TIR-NBS sequence family that clusters to a chromosomal "hotspot" for disease resistance genes in soybean. Theoretical and Applied Genetics, 2001, 103, 406-414.	1.8	39
62	Construction of a sorghum RFLP linkage map using sorghum and maize DNA probes. Genome, 1994, 37, 590-594.	0.9	38
63	Use of RFLP markers to search for alleles in a maize population for improvement of an elite hybrid. Theoretical and Applied Genetics, 1992, 83-83, 903-911.	1.8	37
64	Identification of haplotypes at the Rsv4 genomic region in soybean associated with durable resistance to soybean mosaic virus. Theoretical and Applied Genetics, 2016, 129, 453-468.	1.8	37
65	Comparison of restriction fragment length polymorphisms in wild and cultivated barley. Genome, 1995, 38, 298-306.	0.9	34
66	Molecular Marker Information and Selection of Parents in Corn Breeding Programs. Crop Science, 1992, 32, 301-304.	0.8	34
67	Experimental Adaptation of an RNA Virus Mimics Natural Evolution. Journal of Virology, 2011, 85, 2557-2564.	1.5	33
68	Molecular marker analyses of powdery mildew resistance in barley. Theoretical and Applied Genetics, 1994, 88, 733-740.	1.8	32
69	Divergence and allelomorphic relationship of a soybean virus resistance gene based on tightly linked DNA microsatellite and RFLP markers. Theoretical and Applied Genetics, 1996, 92, 64-69.	1.8	30
70	Ribosomal DNA polymorphisms and the Oriental-Occidental genetic differentiation in cultivated barley. Theoretical and Applied Genetics, 1992, 84-84, 682-687.	1.8	28
71	Copia-like retrotransposons in rice: sequence heterogeneity, species distribution and chromosomal locations. Plant Molecular Biology, 1997, 33, 1051-1058.	2.0	27
72	Worldwide pattern of multilocus structure in barley determined by discrete log-linear multivariate analyses. Theoretical and Applied Genetics, 1990, 80, 121-128.	1.8	26

#	ARTICLE	IF	CITATIONS
73	RFLP Markers Linked to the Durable Stem Rust Resistance Gene Rpg1 in Barley. <i>Molecular Plant-Microbe Interactions</i> , 1994, 7, 298.	1.4	25
74	High-resolution mapping of the barley leaf rust resistance gene Rph5 using barley expressed sequence tags (ESTs) and synteny with rice. <i>Theoretical and Applied Genetics</i> , 2005, 111, 1651-1660.	1.8	23
75	Mapping Net Blotch Resistance in 'Nomini'™ and Clho 2291 Barley. <i>Crop Science</i> , 2014, 54, 2596-2602.	0.8	23
76	Extraordinarily polymorphic ribosomal DNA in wild and cultivated rice. <i>Genome</i> , 1996, 39, 1109-1116.	0.9	22
77	Analysis of the barley and rice genomes by comparative RFLP linkage mapping. <i>Theoretical and Applied Genetics</i> , 1996, 92, 541-551.	1.8	22
78	Evolution of resistance to scald, powdery mildew, and net blotch in barley composite cross II populations. <i>Theoretical and Applied Genetics</i> , 1983, 66-66, 279-283.	1.8	21
79	Validation of Low Phytate QTLs and Evaluation of Seedling Emergence of Low Phytate Soybeans. <i>Crop Science</i> , 2008, 48, 1355-1364.	0.8	21
80	Expression of two soybean resistance gene candidates shows divergence of paralogous single-copy genes. <i>Theoretical and Applied Genetics</i> , 2000, 101, 789-795.	1.8	19
81	Molecular Mapping of Leaf Rust Resistance Gene <i>Rph5</i> in Barley. <i>Crop Science</i> , 2003, 43, 388-393.	0.8	18
82	Potential for effective marker-assisted selection of three quantitative trait loci conferring adult plant resistance to powdery mildew in elite wheat breeding populations. <i>Plant Breeding</i> , 2006, 125, 430-436.	1.0	18
83	Genome-wide transcriptome analyses of developing seeds from low and normal phytic acid soybean lines. <i>BMC Genomics</i> , 2015, 16, 1074.	1.2	18
84	Candidate Gene Sequence Analyses toward Identifying Rsv3 Type Resistance to Soybean Mosaic Virus. <i>Plant Genome</i> , 2016, 9, plantgenome2015.09.0088.	1.6	18
85	Marker-assisted identification of resistance genes to soybean mosaic virus in soybean lines. <i>Euphytica</i> , 2009, 169, 375-385.	0.6	16
86	Inference of Transcription Regulatory Network in Low Phytic Acid Soybean Seeds. <i>Frontiers in Plant Science</i> , 2017, 8, 2029.	1.7	16
87	Validating molecular markers for barley leaf rust resistance genes Rph5 and Rph7. <i>Plant Breeding</i> , 2007, 126, 458-463.	1.0	15
88	Molecular Mapping of Leaf Rust Resistance Gene 5 in Barley. <i>Crop Science</i> , 2003, 43, 388.	0.8	15
89	Molecular Mapping, Chromosomal Assignment, and Genetic Diversity Analysis of Phytochrome Loci in Barley ( <i>Hordeum vulgare</i> ). <i>Journal of Heredity</i> , 1997, 88, 21-26.	1.0	13
90	Mining germplasm panels and phenotypic datasets to identify loci for resistance to <i>Phytophthora sojae</i> in soybean. <i>Plant Genome</i> , 2021, 14, e20063.	1.6	13

#	ARTICLE	IF	CITATIONS
91	A Method for Combining Isolates of <i>Phytophthora sojae</i> to Screen for Novel Sources of Resistance to <i>Phytophthora</i> Stem and Root Rot in Soybean. <i>Plant Disease</i> , 2016, 100, 1424-1428.	0.7	12
92	Metabolite Profiling of Soybean Seed Extracts from Near-Isogenic Low and Normal Phytate Lines Using Orthogonal Separation Strategies. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 9879-9887.	2.4	11
93	Validation and Interaction of the <i>Soybean Mosaic Virus</i> Lethal Necrosis Allele, <i>Rsv1</i> , in PI 507389. <i>Crop Science</i> , 2009, 49, 1277-1283.	0.8	10
94	RFLPs in Cultivated Barley and Their Application in the Evaluation of Malting Quality Cultivars. <i>Hereditas</i> , 2004, 121, 21-29.	0.5	8
95	Cloning, genetic and physical mapping of resistance gene analogs in barley ( <i>Hordeum vulgare</i> L.). <i>Plant Breeding</i> , 2006, 125, 32-42.	1.0	8
96	Genetic interactions regulating seed phytate and oligosaccharides in soybean ( <i>Glycine max</i> L.). <i>PLoS ONE</i> , 2020, 15, e0235120.	1.1	8
97	A transcriptional regulatory network of Rsv3-mediated extreme resistance against Soybean mosaic virus. <i>PLoS ONE</i> , 2020, 15, e0231658.	1.1	8
98	Identification of quantitative trait loci controlling resistance to gray leaf spot disease in maize. <i>Theoretical and Applied Genetics</i> , 1996, 93, 539-546.	1.8	8
99	Registration of Fusarium Head Blight-Resistant Soft Red Winter Wheat Germplasm VA04W433 and VA04W474. <i>Journal of Plant Registrations</i> , 2012, 6, 111-116.	0.4	7
100	Identification of Quantitative Disease Resistance Loci Toward Four <i>Pythium</i> Species in Soybean. <i>Frontiers in Plant Science</i> , 2021, 12, 644746.	1.7	7
101	Epistasis plays an important role as genetic basis of heterosis in rice. <i>Science in China Series C: Life Sciences</i> , 1998, 41, 293-302.	1.3	6
102	Influence of environments on the development of multivariate structures in a barley composite cross at three locations. <i>Genome</i> , 1989, 32, 40-45.	0.9	3
103	A Diagnostic Analysis of Genetic Differentiation Among Subpopulations of a Barley Composite Cross Using Isozyme Markers. <i>Hereditas</i> , 2004, 118, 63-70.	0.5	2
104	Network Inference of Transcriptional Regulation in Germinating Low Phytic Acid Soybean Seeds. <i>Frontiers in Plant Science</i> , 2021, 12, 708286.	1.7	1
105	Interrelationships of allozymes and ribosomal DNA alleles in wild barley. <i>Euphytica</i> , 1992, 61, 113-122.	0.6	0
106	Spatial and temporal patterns of associations between quantitative characters and resistance to scald in barley. <i>Hereditas</i> , 2008, 115, 1-8.	0.5	0
107	Patterns of Restriction Fragment Length Polymorphisms in Corn, Barley and Rice. <i>Current Plant Science and Biotechnology in Agriculture</i> , 1993, , 254-257.	0.0	0