James M Bradeen

List of Publications by Year
in descending order

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Version: 2024-02-01

52 papers	2,315 citations	361413 20 h-index	243625 44 g-index
55 all docs	55 docs citations	55 times ranked	3092 citing authors

#	Article	IF	Citations
1	Gene RB cloned from Solanum bulbocastanum confers broad spectrum resistance to potato late blight. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 9128-9133.	7.1	532
2	Feeding the future. Nature, 2013, 499, 23-24.	27.8	464
3	Plant community richness and microbial interactions structure bacterial communities in soil. Ecology, 2015, 96, 134-142.	3.2	196
4	The Solanum commersonii Genome Sequence Provides Insights into Adaptation to Stress Conditions and Genome Evolution of Wild Potato Relatives. Plant Cell, 2015, 27, 954-968.	6.6	149
5	Insights into organ-specific pathogen defense responses in plants: RNA-seq analysis of potato tuber-Phytophthora infestans interactions. BMC Genomics, 2013, 14, 340.	2.8	101
6	Higher Copy Numbers of the Potato RB Transgene Correspond to Enhanced Transcript and Late Blight Resistance Levels. Molecular Plant-Microbe Interactions, 2009, 22, 437-446.	2.6	92
7	Plant monocultures produce more antagonistic soil Streptomyces communities than high-diversity plant communities. Soil Biology and Biochemistry, 2013, 65, 304-312.	8.8	61
8	Molecular Diversity Analysis of Cultivated Carrot (Daucus carota L.) and Wild Daucus Populations Reveals a Genetically Nonstructured Composition. Journal of the American Society for Horticultural Science, 2002, 127, 383-391.	1.0	49
9	Randomly Amplified Polymorphic DNA in Bulb Onion and Its Use to Assess Inbred Integrity. Journal of the American Society for Horticultural Science, 1995, 120, 752-758.	1.0	47
10	Rdr3, a novel locus conferring black spot disease resistance in tetraploid rose: genetic analysis, LRR profiling, and SCAR marker development. Theoretical and Applied Genetics, 2010, 120, 573-585.	3.6	45
11	Blocking primers reduce co-amplification of plant DNA when studying bacterial endophyte communities. Journal of Microbiological Methods, 2015, 117, 1-3.	1.6	43
12	Effects of plant host species and plant community richness on streptomycete community structure. FEMS Microbiology Ecology, 2013, 83, 596-606.	2.7	39
13	The Fractionated Orthology of Bs2 and Rx/Gpa2 Supports Shared Synteny of Disease Resistance in the Solanaceae. Genetics, 2009, 182, 1351-1364.	2.9	38
14	Common Scab Trials of Potato Varieties and Advanced Selections at Three U.S. Locations. American Journal of Potato Research, 2010, 87, 261-276.	0.9	36
15	Evolutionary Meta-Analysis of Solanaceous Resistance Gene and Solanum Resistance Gene Analog Sequences and a Practical Framework for Cross-Species Comparisons. Molecular Plant-Microbe Interactions, 2012, 25, 603-612.	2.6	33
16	Contrasting Potato Foliage and Tuber Defense Mechanisms against the Late Blight Pathogen Phytophthora infestans. PLoS ONE, 2016, 11, e0159969.	2.5	29
17	A consensus â€˜Honeycrispâ€™ apple (Malus Ã— domestica) genetic linkage map from three full-sib progeny populations. Tree Genetics and Genomes, 2014, 10, 627-639.	1.6	27
18	Changes in Disease Resistance Phenotypes Associated With Plant Physiological Age Are Not Caused by Variation in R Gene Transcript Abundance. Molecular Plant-Microbe Interactions, 2009, 22, 362-368.	2.6	26

#	Article	IF	Citations
19	Region-Specific Cis- and Trans-Acting Factors Contribute to Genetic Variability in Meiotic Recombination in Maize. Genetics, 1997, 146, 1101-1113.	2.9	24
20	Restriction fragment length polymorphisms reveal considerable nuclear divergence within a wellâ€supported maternal clade in allium section Cepa (Alliaceae). American Journal of Botany, 1995, 82, 1455-1462.	1.7	20
21	Mapping a Novel Black Spot Resistance Locus in the Climbing Rose Brite Eyesâ„¢ (â€˜RADbriteâ€™). Frontiers in Plant Science, 2018, 9, 1730.	3.6	20
22	Variability for Restriction Fragment-length Polymorphisms (RFLPs) and Relationships among Elite Commercial Inbred and Virtual Hybrid Onion Populations. Journal of the American Society for Horticultural Science, 1998, 123, 1034-1037.	1.0	16
23	Distribution of Rose Black Spot (Diplocarpon rosae) Genetic Diversity in Eastern North America Using Amplified Fragment Length Polymorphism and Implications for Resistance Screening. Journal of the American Society for Horticultural Science, 2007, 132, 534-540.	1.0	16
24	Fruit Texture Phenotypes of the RosBREED U.S. Apple Reference Germplasm Set. Hortscience: A Publication of the American Society for Hortcultural Science, 2013, 48, 296-303.	1.0	15
25	Genome Microscale Heterogeneity among Wild Potatoes Revealed by Diversity Arrays Technology Marker Sequences. International Journal of Genomics, 2013, 2013, 1-9.	1.6	14
26	Prediction of Genotypic Values for Apple Fruit Texture Traits in a Breeding Population Derived from â€˜Honeycrispâ€™. Journal of the American Society for Horticultural Science, 2011, 136, 408-414.	1.0	14
27	Mapping the black spot resistance locus Rdr3 in the shrub rose â€˜George Vancouverâ€™ allows for the development of improved diagnostic markers for DNA-informed breeding. Theoretical and Applied Genetics, 2020, 133, 2011-2020.	3.6	12
28	A DArT marker-based linkage map for wild potato Solanum bulbocastanum facilitates structural comparisons between SolanumA and B genomes. BMC Genetics, 2014, 15, 123.	2.7	11
29	Pushing the boundaries of resistance: insights from Brachypodium-rust interactions. Frontiers in Plant Science, 2015, 6, 558.	3.6	11
30	Characterization of black spot resistance in diploid roses with QTL detection, meta-analysis and candidate-gene identification. Theoretical and Applied Genetics, 2020, 133, 3299-3321.	3.6	11
31	Coexpression gene network analysis of coldâ€tolerant Solanum commersonii reveals new insights in response to low temperatures. Crop Science, 2021, 61, 3538-3550.	1.8	11
32	Towards Efficient Isolation of R Gene Orthologs from Multiple Genotypes: Optimization of Long Range-PCR. Molecular Breeding, 2006, 17, 137-148.	2.1	10
33	Characterization of the defence response to Venturia inaequalis in â€˜Honeycrispâ€™ apple, its ancestors, and progeny. European Journal of Plant Pathology, 2014, 140, 69-81.	1.7	10
34	Molecular Linkage Maps. , 2011, , 68-89.		10
35	Resistance traits and AFLP characterization of diploid primitive tuber-bearing potatoes. Genetic Resources and Crop Evolution, 2007, 54, 1797-1806.	1.6	9
36	An Evaluation of Two Seedling Phenotyping Protocols to Assess pH Adaptability in Deciduous Azalea (Rhododendron sect. Pentanthera G. Don). Hortscience: A Publication of the American Society for Hortcultural Science, 2018, 53, 268-274.	1.0	9

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37	Carrot. , 2007, , 161-184.		9
38	Molecular Markers and Mapping in Bulb Onion, A Forgotten Monocot. Hortscience: A Publication of the American Society for Hortcultural Science, 1996, 31, 1116-1118.	1.0	9
39	Disease resistance gene transcription in transgenic potato is unaltered by temperature extremes and plant physiological age. European Journal of Plant Pathology, 2011, 130, 469-476.	1.7	7
40	Potato Tuber Blight Resistance Phenotypes Correlate with RB Transgene Transcript Levels in an Age-Dependent Manner. Phytopathology, 2015, 105, 1131-1136.	2.2	7
41	Introduction to Potato. , 2011, , 1-19.		7
42	A Novel Class of Simple PCR Markers with SNP-Level Sensitivity for Mapping and Haplotype Characterization in Solanum Species. American Journal of Potato Research, 2011, 88, 269-282.	0.9	5
43	Cloning of Late Blight Resistance Genes. , 2011, , 153-183.		5
44	An Updated Host Differential Due to Two Novel Races of Diplocarpon rosae Wolf, the Causal Agent of Rose Black Spot Disease. Hortscience: A Publication of the American Society for Hortcultural Science, 2020, 55, 1756-1758.	1.0	3
45	The manyâ€faced Janus of plant breeding. Plants People Planet, 2019, 1, 306-309.	3.3	2
46	Herbicide tolerance in primitive diploid potato species comprising superseriesstellata: Toward establishment of seedling cultivation conditions for field evaluations. American Journal of Potato Research, 2007, 84, 415.	0.9	1
47	On the Value of Wild Solanum Species for Improved Crop Disease Resistance: Resistances to Nematodes and Viruses. Compendium of Plant Genomes, 2021, , 95-118.	0.5	1
48	AFLP-derived, Codominant Markers for Locus-specific Applications. Hortscience: A Publication of the American Society for Hortcultural Science, 1998, 33, 514e-514.	1.0	1
49	A Review of Allium Section Allium.. Systematic Botany, 1997, 22, 593.	0.5	0
50	PHYLOGENETIC ASSESSMENT IN THE GENUS ALLIUM USING RESTRICTION FRAGMENT LENGTH POLYMORPHISMS. Hortscience: A Publication of the American Society for Hortcultural Science, 1992, 27, 611e-611.	1.0	0
51	Toward Characterization of and Breeder-friendly Molecular Markers for Genes Affecting Carotene accumulation in Carrot (Daucus carota). Hortscience: A Publication of the American Society for Hortcultural Science, 1997, 32, 512D-512.	1.0	0
52	511 Toward Mapping and Cloning Late Blight Resistance Derived from the Wild Solanum bulbocastanum using Potato + S. bulbocastanum Somatic Hybrids. Hortscience: A Publication of the American Society for Hortcultural Science, 1999, 34, 533E-534.	1.0	0