Andy Pereira

List of Publications by Year in descending order

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117 papers	10,363 citations	44042 48 h-index	33869 99 g-index
181 all docs	181 docs citations	181 times ranked	10263 citing authors

#	Article	IF	Citations
1	The SHINE Clade of AP2 Domain Transcription Factors Activates Wax Biosynthesis, Alters Cuticle Properties, and Confers Drought Tolerance when Overexpressed in Arabidopsis[W]. Plant Cell, 2004, 16, 2463-2480.	3.1	743
2	Molecular and Physiological Analysis of Drought Stress in Arabidopsis Reveals Early Responses Leading to Acclimation in Plant Growth. Plant Physiology, 2010, 154, 1254-1271.	2.3	580
3	Plant adaptation to drought stress. F1000Research, 2016, 5, 1554.	0.8	538
4	pBINPLUS: An improved plant transformation vector based on pBIN19. Transgenic Research, 1995, 4, 288-290.	1.3	496
5	Improvement of water use efficiency in rice by expression of HARDY , an Arabidopsis drought and salt tolerance gene. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 15270-15275.	3.3	430
6	An ancientRgene from the wild potato speciesSolanum bulbocastanumconfers broad-spectrum resistance toPhytophthora infestansin cultivated potato and tomato. Plant Journal, 2003, 36, 867-882.	2.8	406
7	Molecular characterization of the CER1 gene of arabidopsis involved in epicuticular wax biosynthesis and pollen fertility.. Plant Cell, 1995, 7, 2115-2127.	3.1	390
8	The Rpi-blb2 gene from Solanum bulbocastanum is an Mi-1 gene homolog conferring broad-spectrum late blight resistance in potato. Plant Journal, 2005, 44, 208-222.	2.8	327
9	Effects of Drought on Gene Expression in Maize Reproductive and Leaf Meristem Tissue Revealed by RNA-Seq Â Â. Plant Physiology, 2012, 160, 846-867.	2.3	286
10	The Arabidopsis MALE STERILITY 2 protein shares similarity with reductases in elongation/condensation complexes. Plant Journal, 1997, 12, 615-623.	2.8	268
11	Coordinated regulation of photosynthesis in rice increases yield and tolerance to environmental stress. Nature Communications, 2014, 5, 5302.	5.8	254
12	Plant Abiotic Stress Challenges from the Changing Environment. Frontiers in Plant Science, 2016, 7, 1123.	1.7	252
13	The Arabidopsis MALE STERILITY 2 protein shares similarity with reductases in elongation/condensation complexes. Plant Journal, 1997, 12, 615-623.	2.8	239
14	Molecular cloning of the a1 locus of Zea mays using the transposable elements En and Mu1. EMBO Journal, 1985, 4, 877-882.	3.5	227
15	Rice Mutant Resources for Gene Discovery. Plant Molecular Biology, 2004, 54, 325-334.	2.0	221
16	ANTHOCYANINLESS2, a Homeobox Gene Affecting Anthocyanin Distribution and Root Development in Arabidopsis. Plant Cell, 1999, 11, 1217-1226.	3.1	214
17	Transposon tagging of a male sterility gene in Arabidopsis. Nature, 1993, 363, 715-717.	13.7	213
18	Coordinated Activation of Cellulose and Repression of Lignin Biosynthesis Pathways in Rice Â Â Â. Plant Physiology, 2011, 155, 916-931.	2.3	198

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19	Identification of R-Gene Homologous DNA Fragments Genetically Linked to Disease Resistance Loci in Arabidopsis thaliana. Molecular Plant-Microbe Interactions, 1998, 11, 251-258.	1.4	194
20	Cyclophilin 20-3 relays a 12-oxo-phytodienoic acid signal during stress responsive regulation of cellular redox homeostasis. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 9559-9564.	3.3	193
21	Molecular analysis of the En/Spm transposable element system of Zea mays. EMBO Journal, 1986, 5, 835-841.	3.5	190
22	Mutant Resources in Rice for Functional Genomics of the Grasses. Plant Physiology, 2009, 149, 165-170.	2.3	167
23	Function Search in a Large Transcription Factor Gene Family in Arabidopsis: Assessing the Potential of Reverse Genetics to Identify Insertional Mutations in R2R3 MYB Genes. Plant Cell, 1999, 11, 1827-1840.	3.1	151
24	A genetic map of potato (Solanum tuberosum) integrating molecular markers, including transposons, and classical markers. Theoretical and Applied Genetics, 1995, 91, 289-300.	1.8	147
25	Activation Tagging Using the En-I Maize Transposon System in Arabidopsis. Plant Physiology, 2002, 129, 1544-1556.	2.3	138
26	Enhanced salt stress tolerance of rice plants expressing a vacuolar H⁺â€ATPase subunit c1 (SaVHAc1) gene from the halophyte grass Spartina alterniflora LÃ¶isel. Plant Biotechnology Journal, 2012, 10, 453-464.	4.1	128
27	A Two-Component Enhancer-Inhibitor Transposon Mutagenesis System for Functional Analysis of the Arabidopsis Genome. Plant Cell, 1999, 11, 1853-1866.	3.1	118
28	Molecular Characterization of the CER1 Gene of Arabidopsis Involved in Epicuticular Wax Biosynthesis and Pollen Fertility. Plant Cell, 1995, 7, 2115.	3.1	111
29	Genetic and molecular analysis of the Enhancer (En) transposable element system of Zea mays. EMBO Journal, 1985, 4, 17-23.	3.5	110
30	ASYMMETRIC LEAVES2-LIKE1gene, a member of the AS2/LOB family, controls proximal?distal patterning in Arabidopsis petals. Plant Molecular Biology, 2005, 57, 559-575.	2.0	99
31	Transposon-mediated generation of T-DNA- and marker-free rice plants expressing a Bt endotoxin gene. Molecular Breeding, 2002, 10, 165-180.	1.0	87
32	Rice GROWTH UNDER DROUGHT KINASE Is Required for Drought Tolerance and Grain Yield under Normal and Drought Stress Conditions. Plant Physiology, 2014, 166, 1634-1645.	2.3	87
33	BOLITA, an Arabidopsis AP2/ERF-like transcription factor that affects cell expansion and proliferation/differentiation pathways. Plant Molecular Biology, 2006, 62, 825-843.	2.0	85
34	Segregation analysis and RFLP mapping of the R1 and R3 alleles conferring race-specific resistance to Phytophthora infestans in progeny of dihaploid potato parents. Molecular Genetics and Genomics, 1994, 242, 749-754.	2.4	83
35	OryGenesDB: a database for rice reverse genetics. Nucleic Acids Research, 2006, 34, D736-D740.	6.5	82
36	Genome-wide association study (GWAS) of salt tolerance in worldwide soybean germplasm lines. Molecular Breeding, 2017, 37, 1.	1.0	82

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37	The impact on biosafety of the phosphinothricin-tolerance transgene in inter-specific B. rapaÃ—B. napus hybrids and their successive backcrosses. Theoretical and Applied Genetics, 1997, 95, 442-450.	1.8	80
38	EU-OSTID: A Collection of Transposon Insertional Mutants for Functional Genomics in Rice. Plant Molecular Biology, 2005, 59, 99-110.	2.0	77
39	GBF3 transcription factor imparts drought tolerance in Arabidopsis thaliana. Scientific Reports, 2017, 7, 9148.	1.6	77
40	Mapping of resistance to the potato cyst nematode Globodera rostochiensis from the wild potato species Solanum vernei. Molecular Breeding, 1996, 2, 51-60.	1.0	76
41	Mechanisms of Action and Medicinal Applications of Abscisic Acid. Current Medicinal Chemistry, 2010, 17, 467-478.	1.2	65
42	Transpositional behaviour of an Ac/Ds system for reverse genetics in rice. Theoretical and Applied Genetics, 2003, 108, 10-24.	1.8	61
43	The <scp>NTT</scp> transcription factor promotes replum development in <scp>A</scp>rabidopsis fruits. Plant Journal, 2014, 80, 69-81.	2.8	61
44	A transgenic perspective on plant functional genomics. , 2000, 9, 245-260.		58
45	Transposon Insertional Mutagenesis in Rice. Plant Physiology, 2001, 125, 1175-1177.	2.3	58
46	A two-element Enhancer-Inhibitor transposon system in Arabidopsis thaliana. Molecular Genetics and Genomics, 1995, 247, 555-564.	2.4	52
47	Molecular evaluation of genetic diversity and association studies in rice (Oryza sativa L.). Journal of Genetics, 2012, 91, 9-19.	0.4	52
48	RNA-Seq analysis reveals insight into enhanced rice Xa7-mediated bacterial blight resistance at high temperature. PLoS ONE, 2017, 12, e0187625.	1.1	52
49	Transpositional behavior of the maize En/Spm element in transgenic tobacco. EMBO Journal, 1989, 8, 1315-1321.	3.5	51
50	Early and multiple Ac transpositions in rice suitable for efficient insertional mutagenesis. Plant Molecular Biology, 2001, 46, 215-227.	2.0	49
51	Meta-analysis of quantitative trait loci for grain yield and component traits under reproductive-stage drought stress in an upland rice population. Molecular Breeding, 2014, 34, 283-295.	1.0	44
52	Altered expression of the bZIP transcription factor DRINK ME affects growth and reproductive development in Arabidopsis thaliana. Plant Journal, 2016, 88, 437-451.	2.8	40
53	Plant translational genomics: from model species to crops. Molecular Breeding, 2007, 20, 1-13.	1.0	39
54	RECoN: Rice Environment Coexpression Network for Systems Level Analysis of Abiotic-Stress Response. Frontiers in Plant Science, 2017, 8, 1640.	1.7	39

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55	Liquid biopsy and its role in an advanced clinical trial for lung cancer. Experimental Biology and Medicine, 2018, 243, 262-271.	1.1	38
56	The Arabidopsis thaliana DNA-Binding Protein AHL19 Mediates Verticillium Wilt Resistance. Molecular Plant-Microbe Interactions, 2011, 24, 1582-1591.	1.4	36
57	Analysis of Stress-Responsive Gene Expression in Cultivated and Weedy Rice Differing in Cold Stress Tolerance. PLoS ONE, 2015, 10, e0132100.	1.1	35
58	RNA sequencing analysis of salt tolerance in soybean (Glycine max). Genomics, 2019, 111, 629-635.	1.3	34
59	Cold tolerance response mechanisms revealed through comparative analysis of gene and protein expression in multiple rice genotypes. PLoS ONE, 2019, 14, e0218019.	1.1	33
60	Introgression of Clearfieldâ„¢ rice crop traits into weedy red rice outcrosses. Field Crops Research, 2017, 207, 13-23.	2.3	31
61	The FATTY ACID DESATURASE2 Family in Tomato Contributes to Primary Metabolism and Stress Responses. Plant Physiology, 2020, 182, 1083-1099.	2.3	31
62	Transcription and somatic transposition of the maize En / Spm transposon system in rice. Molecular Genetics and Genomics, 2004, 270, 514-523.	1.0	29
63	Cloning of the chrysanthemum UEP1 promoter and comparative expression in florets and leaves of Dendranthema grandiflora. Transgenic Research, 2002, 11, 437-445.	1.3	28
64	Tagged Transcriptome Display (TTD) in indica rice using Ac transposition. Molecular Genetics and Genomics, 2001, 266, 1-11.	1.0	25
65	Screening Arabidopsis Genotypes for Drought Stress Resistance. Methods in Molecular Biology, 2011, 678, 191-198.	0.4	25
66	Genetic localisation of transformation competence in diploid potato. Theoretical and Applied Genetics, 1995, 91, 557-562.	1.8	22
67	An ActiveAc/DsTransposon System for Activation Tagging in Tomato Cultivar M82 Using Clonal Propagation Â Â. Plant Physiology, 2013, 162, 145-156.	2.3	21
68	Phenotypic and Physiological Evaluation for Drought and Salinity Stress Responses in Rice. Methods in Molecular Biology, 2013, 956, 209-225.	0.4	19
69	33. Transposon Tagging with the En-I System. , 1998, 82, 329-338.		18
70	Race specific resistance against Phytophthora infestans in potato is controlled by more genetic factors than only R-genes. Euphytica, 1996, 90, 331-336.	0.6	16
71	Integrative approaches for mining transcriptional regulatory programs in Arabidopsis. Briefings in Functional Genomics & Proteomics, 2008, 7, 264-274.	3.8	16
72	Comparative analysis of gene expression in response to cold stress in diverse rice genotypes. Biochemical and Biophysical Research Communications, 2016, 471, 253-259.	1.0	16

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73	QTL Mapping of Charcoal Rot Resistance in PI 567562A Soybean Accession. Crop Science, 2019, 59, 474-479.	0.8	16
74	Bulked segregant analysis using next-generation sequencing for identification of genetic loci for charcoal rot resistance in soybean. Physiological and Molecular Plant Pathology, 2020, 109, 101440.	1.3	16
75	Recent advances in gene function prediction using context-specific coexpression networks in plants. F1000Research, 2019, 8, 153.	0.8	16
76	Genetic Mapping Identifies Consistent Quantitative Trait Loci for Yield Traits of Rice under Greenhouse Drought Conditions. Genes, 2020, 11, 62.	1.0	15
77	Using Network-Based Machine Learning to Predict Transcription Factors Involved in Drought Resistance. Frontiers in Genetics, 2021, 12, 652189.	1.1	15
78	ANTHOCYANINLESS2, a Homeobox Gene Affecting Anthocyanin Distribution and Root Development in Arabidopsis. Plant Cell, 1999, 11, 1217.	3.1	14
79	Reproductive Long Intergenic Noncoding RNAs Exhibit Male Gamete Specificity and Polycomb Repressive Complex 2-Mediated Repression. Plant Physiology, 2018, 177, 1198-1217.	2.3	14
80	Physiological and transcriptional responses to low-temperature stress in rice genotypes at the reproductive stage. Plant Signaling and Behavior, 2019, 14, e1581557.	1.2	14
81	Localization ofDs-transposon containing T-DNA inserts in the diploid transgenic potato: linkage to theR1resistance gene againstPhytophthora infestans(Mont.) de Bary. Genome, 1996, 39, 249-257.	0.9	13
82	Function Search in a Large Transcription Factor Gene Family in Arabidopsis: Assessing the Potential of Reverse Genetics to Identify Insertional Mutations in R2R3 MYB Genes. Plant Cell, 1999, 11, 1827.	3.1	13
83	Transposon Insertional Mutants: A Resource for Rice Functional Genomics. , 2007, , 223-271.		12
84	Origin and diversity of mutants controlled by the Uq transposable element system in maize. Genetical Research, 1985, 46, 219-236.	0.3	11
85	Towards the isolation of resistance genes by transposon targeting in potato. European Journal of Plant Pathology, 1992, 98, 215-221.	0.5	10
86	Target selected insertional mutagenesis on chromosome IV of Arabidopsis using the Enâ€“I transposon system. Journal of Biotechnology, 2000, 78, 301-312.	1.9	10
87	Dedifferentiation-mediated changes in transposition behavior make the Activator transposon an ideal tool for functional genomics in rice. Molecular Breeding, 2004, 13, 177-191.	1.0	10
88	Quantitative Trait Loci for Chloride Tolerance in â€˜Osageâ€™ Soybean. Crop Science, 2017, 57, 2345-2353.	0.8	10
89	The Arabidopsis Proteins AtNHR2A and AtNHR2B Are Multi-Functional Proteins Integrating Plant Immunity With Other Biological Processes. Frontiers in Plant Science, 2020, 11, 232.	1.7	9
90	Transposon based activation tagging in diploid strawberry and monoploid derivatives of potato. Plant Cell Reports, 2014, 33, 1203-1216.	2.8	8

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91	Identification of Genomic Regions Controlling Chalkiness and Grain Characteristics in a Recombinant Inbred Line Rice Population Based on High-Throughput SNP Markers. Genes, 2021, 12, 1690.	1.0	8
92	A Strategy for Genome-Wide Identification of Gene Based Polymorphisms in Rice Reveals Non-Synonymous Variation and Functional Genotypic Markers. PLoS ONE, 2014, 9, e105335.	1.1	7
93	Suppression of an Atypically Spliced Rice CACTA Transposon Transcript in Transgenic Plants. Genetics, 2005, 169, 2383-2387.	1.2	6
94	Regulation of grain yield in rice under well-watered and drought stress conditions by GUDK. Plant Signaling and Behavior, 2015, 10, e1034421.	1.2	6
95	Mutant Resources for Functional Analysis of the Rice Genome. , 2013, , 81-115.		6
96	Development of Ac and Ds transposon tagging lines for gene isolation in diploid potato. Molecular Breeding, 2001, 7, 117-129.	1.0	5
97	Effectiveness of a Seed Plate Assay for Evaluating Charcoal Rot Resistance in Soybean and the Relationship to Field Performance. Plant Disease, 2019, 103, 1947-1953.	0.7	5
98	Structure and Function of the En/Spm Transposable Element System of Zea Mays: Identification of the Suppressor Component of En. , 1988, , 115-119.		5
99	Activation Tagging with En/Spm-I /dSpm Transposons in Arabidopsis. Methods in Molecular Biology, 2011, 678, 91-105.	0.4	5
100	Activation Tagging Using the Maize En-I Transposon System for the Identification of Abiotic Stress Resistance Genes in Arabidopsis. Methods in Molecular Biology, 2013, 1057, 193-204.	0.4	5
101	Selection of independent Ds transposon insertions in somatic tissue of potato by protoplast regeneration. Theoretical and Applied Genetics, 2000, 101, 503-510.	1.8	4
102	Quantitative Trait Loci and Candidate Gene Identification for Chlorophyll Content in RIL Rice Population under Drought Conditions. Indonesian Journal of Natural Pigments, 2021, 3, 54.	0.4	4
103	Genetic Dissection of Grain Yield Component Traits Under High Nighttime Temperature Stress in a Rice Diversity Panel. Frontiers in Plant Science, 2021, 12, 712167.	1.7	4
104	Differential Antioxidant Composition and Potential of some commonly used Indian Spices. Journal of AgriSearch, 2017, 4, .	0.1	4
105	Setting Up Reverse Transcription Quantitative-PCR Experiments. Methods in Molecular Biology, 2011, 678, 45-54.	0.4	3
106	Genetic Dissection of Plant Stress Responses. , 2001, , 17-42.		3
107	Effect of different stress treatments on mature green tomatoes (Solanum lycopersicum) to enhance fruit quality. African Journal of Food, Agriculture, Nutrition and Development, 2017, 17, 12546-12556.	0.1	3
108	Mechanisms of drought tolerance in rice. Burleigh Dodds Series in Agricultural Science, 2017, , 131-163.	0.1	3

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109	Activation Tagging for Gain-of-Function Mutants. , 2010, , 345-370.		2
110	Anther culture induces transposable element movement in potato. Plant Cell, Tissue and Organ Culture, 2015, 120, 361-366.	1.2	2
111	Identification of genes directly regulated by a transcription factor in rice. Protocol Exchange, 0, , .	0.3	1
112	A Two-Component Enhancer-Inhibitor Transposon Mutagenesis System for Functional Analysis of the Arabidopsis Genome. Plant Cell, 1999, 11, 1853.	3.1	0
113	Insertional Mutagenesis Of The Arabidopsis Genome. Developments in Plant Genetics and Breeding, 2000, , 101-103.	0.6	0
114	Biotech Crops and Functional Genomics. , 2010, , 359-390.		0
115	Crop Traits crop/cropping trait : Gene Isolation crop/cropping trait gene isolation. , 2012, , 2689-2720.		0
116	Crop Traits crop/cropping trait : Gene Isolation crop/cropping trait gene isolation. , 2013, , 667-698.		0
117	QTL mapping of panicle architecture and yield-related traits between two US rice cultivars 'LaGrue' and 'Lemont'. Euphytica, 2022, 218, 1.	0.6	0