Pamela C Ronald

List of Publications by Year
in descending order

225 papers	23,026 citations	8755 75 h-index	9589 142 g-index
243 all docs	243 docs citations	243 times ranked	19147 citing authors

#	Article	IF	Citations
1	Darwinian genomics and diversity in the tree of life. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	19
2	Rice domestication. Current Biology, 2022, 32, R20-R24.	3.9	14
3	Silencing of Dicerâ€like protein 2a restores the resistance phenotype in the rice mutant, sxi4 () Tj ETQq1 1 0.784314 rgBT /Overlock 10	5.7	0
4	Plant immunity: Rice XA21-mediated resistance to bacterial infection. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	13
5	Special report: AI Institute for next generation food systems (AIFS). Computers and Electronics in Agriculture, 2022, 196, 106819.	7.7	1
6	Sulfotyrosine residues: Interaction specificity determinants for extracellular proteinâ€“protein interactions. Journal of Biological Chemistry, 2022, 298, 102232.	3.4	7
7	Genomic mechanisms of climate adaptation in polyploid bioenergy switchgrass. Nature, 2021, 590, 438-444.	27.8	144
8	Expression of a bacterial 3-dehydroshikimate dehydratase (QsuB) reduces lignin and improves biomass saccharification efficiency in switchgrass (Panicum virgatum L.). BMC Plant Biology, 2021, 21, 56.	3.6	14
9	Mechanism and function of root circumnutation. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	45
10	Suppression of rice miR168 improves yield, flowering time and immunity. Nature Plants, 2021, 7, 129-136.	9.3	74
11	Targeted DNA insertion in plants. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	56
12	Paladin, a tyrosine phosphatase-like protein, is required for XA21-mediated immunity in rice. Plant Communications, 2021, 2, 100215.	7.7	1
13	Divergence among rice cultivars reveals roles for transposition and epimutation in ongoing evolution of genomic imprinting. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	11
14	The Xanthomonas RaxH-RaxR Two-Component Regulatory System Is Orthologous to the Zinc-Responsive Pseudomonas ColS-ColR System. Microorganisms, 2021, 9, 1458.	3.6	3
15	Plant genome engineering from lab to fieldâ€"a Keystone Symposia report. Annals of the New York Academy of Sciences, 2021, 1506, 35-54.	3.8	4
16	Managing Fall Armyworm in Africa: Can Bt Maize Sustainably Improve Control?. Journal of Economic Entomology, 2021, 114, 1934-1949.	1.8	19
17	The HrpX Protein Activates Synthesis of the RaxX Sulfopeptide, Required for Activation of XA21-Mediated Immunity to <i>Xanthomonas oryzae</i> pv. <i>oryzae</i>. Molecular Plant-Microbe Interactions, 2021, 34, 1307-1315.	2.6	4
18	Fast-track for engineered plants. Nature Biotechnology, 2020, 38, 32-34.	17.5	1

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19	A GRFâ€“GIF chimeric protein improves the regeneration efficiency of transgenic plants. Nature Biotechnology, 2020, 38, 1274-1279.	17.5	272
20	Rice Protein Tagging Project: A Call for International Collaborations on Genome-wide In-Locus Tagging of Rice Proteins. Molecular Plant, 2020, 13, 1663-1665.	8.3	11
21	A massively parallel barcoded sequencing pipeline enables generation of the first ORFeome and interactome map for rice. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 11836-11842.	7.1	16
22	A Pan-plant Protein Complex Map Reveals Deep Conservation and Novel Assemblies. Cell, 2020, 181, 460-474.e14.	28.9	133
23	The Rice Xa3 Gene Confers Resistance to Xanthomonas oryzae pv. oryzae in the Model Rice Kitaake Genetic Background. Frontiers in Plant Science, 2020, 11, 49.	3.6	5
24	Marker-free carotenoid-enriched rice generated through targeted gene insertion using CRISPR-Cas9. Nature Communications, 2020, 11, 1178.	12.8	204
25	Crop biotechnology and the future of food. Nature Food, 2020, 1, 273-283.	14.0	71
26	<i>Sub1</i> Rice: Engineering Rice for Climate Change. Cold Spring Harbor Perspectives in Biology, 2019, 11, a034637.	5.5	32
27	Whole-Genome Sequencing Identifies a Rice Grain Shape Mutant, gs9â€“1. Rice, 2019, 12, 52.	4.0	5
28	A web-based tool for the prediction of rice transcription factor function. Database: the Journal of Biological Databases and Curation, 2019, 2019, .	3.0	7
29	Genetic Engineering for Disease Resistance in Plants: Recent Progress and Future Perspectives. Plant Physiology, 2019, 180, 26-38.	4.8	177
30	Biosynthesis and secretion of the microbial sulfated peptide RaxX and binding to the rice XA21 immune receptor. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8525-8534.	7.1	64
31	Variation and inheritance of the <i>Xanthomonas</i><i>raxXâ€raxSTAB</i> gene cluster required for activation of XA21â€mediated immunity. Molecular Plant Pathology, 2019, 20, 656-672.	4.2	17
32	Genome sequence of the model rice variety KitaakeX. BMC Genomics, 2019, 20, 905.	2.8	59
33	A Genome-Scale Co-Functional Network of Genes Can Accurately Reconstruct Regulatory Circuits Controlled by Two-Component Signaling Systems. Molecules and Cells, 2019, 42, 166-174.	2.6	7
34	Loss of function of a rice TPR-domain RNA-binding protein confers broad-spectrum disease resistance. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3174-3179.	7.1	157
35	Molecular mimicry modulates plant host responses to pathogens. Annals of Botany, 2018, 121, 17-23.	2.9	31
36	Semantic Network Analysis Reveals Opposing Online Representations of the Search Term â€œGMOâ€. Global Challenges, 2018, 2, 1700082.	3.6	21

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37	Hybrid thematic analysis reveals themes for assessing student understanding of biotechnology. Journal of Biological Education, 2018, 52, 271-282.	1.5	6
38	Target of rapamycin signaling orchestrates growthâ€“defense tradeâ€offs in plants. New Phytologist, 2018, 217, 305-319.	7.3	97
39	A call for science-based review of the European court's decision on gene-edited crops. Nature Biotechnology, 2018, 36, 800-802.	17.5	43
40	A single transcription factor promotes both yield and immunity in rice. Science, 2018, 361, 1026-1028.	12.6	296
41	Overexpression of a rice BAHD acyltransferase gene in switchgrass (Panicum virgatum L.) enhances saccharification. BMC Biotechnology, 2018, 18, 54.	3.3	38
42	KBase: The United States Department of Energy Systems Biology Knowledgebase. Nature Biotechnology, 2018, 36, 566-569.	17.5	955
43	The rice XA21 ectodomain fused to the Arabidopsis EFR cytoplasmic domain confers resistance to <i>Xanthomonas oryzae</i> pv. <i>oryzae</i>. PeerJ, 2018, 6, e4456.	2.0	23
44	Four tyrosine residues of the rice immune receptor XA21 are not required for interaction with the co-receptor OsSERK2 or resistance to <i>Xanthomonas oryzae</i> pv. <i>oryzae</i>. PeerJ, 2018, 6, e6074.	2.0	4
45	WheatNet: a Genome-Scale Functional Network for Hexaploid Bread Wheat, Triticum aestivum. Molecular Plant, 2017, 10, 1133-1136.	8.3	29
46	Plant Genetics, Ecologically Based Farming and the Future of Food. Geographical Review, 2017, 107, 559-566.	1.8	1
47	Overexpression of Rice Auxilin-Like Protein, XB21, Induces Necrotic Lesions, up-Regulates Endocytosis-Related Genes, and Confers Enhanced Resistance to Xanthomonas oryzae pv. oryzae. Rice, 2017, 10, 27.	4.0	17
48	The Sequences of 1504 Mutants in the Model Rice Variety Kitaake Facilitate Rapid Functional Genomic Studies. Plant Cell, 2017, 29, 1218-1231.	6.6	138
49	A microbially derived tyrosineâ€sulfated peptide mimics a plant peptide hormone. New Phytologist, 2017, 215, 725-736.	7.3	70
50	Silencing of the Rice Gene LRR1 Compromises Rice Xa21 Transcript Accumulation and XA21-Mediated Immunity. Rice, 2017, 10, 23.	4.0	11
51	Evolutionary Analysis of Snf1-Related Protein Kinase2 (SnRK2) and Calcium Sensor (SCS) Gene Lineages, and Dimerization of Rice Homologs, Suggest Deep Biochemical Conservation across Angiosperms. Frontiers in Plant Science, 2017, 8, 395.	3.6	7
52	A Genetic Screen Identifies a Requirement for Cysteine-Richâ€“Receptor-Like Kinases in Rice NH1 (OsNPR1)-Mediated Immunity. PLoS Genetics, 2016, 12, e1006049.	3.5	42
53	Overexpression of Thiamin Biosynthesis Genes in Rice Increases Leaf and Unpolished Grain Thiamin Content But Not Resistance to Xanthomonas oryzae pv. oryzae. Frontiers in Plant Science, 2016, 7, 616.	3.6	47
54	Suppression of bacterial infection in rice by treatment with a sulfated peptide. Molecular Plant Pathology, 2016, 17, 1493-1498.	4.2	12

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55	Four receptorâ€like cytoplasmic kinases regulate development and immunity in rice. Plant, Cell and Environment, 2016, 39, 1381-1392.	5.7	42
56	Nonâ€invasive imaging of cellulose microfibril orientation within plant cell walls by polarized Raman microspectroscopy. Biotechnology and Bioengineering, 2016, 113, 82-90.	3.3	21
57	Cell Wall Composition and Candidate Biosynthesis Gene Expression During Rice Development. Plant and Cell Physiology, 2016, 57, 2058-2075.	3.1	20
58	Bacterial Outer Membrane Vesicles Induce Plant Immune Responses. Molecular Plant-Microbe Interactions, 2016, 29, 374-384.	2.6	70
59	Updated Rice Kinase Database RKD 2.0: enabling transcriptome and functional analysis of rice kinase genes. Rice, 2016, 9, 40.	4.0	20
60	A second-generation expression system for tyrosine-sulfated proteins and its application in crop protection. Integrative Biology (United Kingdom), 2016, 8, 542-545.	1.3	23
61	The durably resistant rice cultivar <scp>D</scp>igu activates defence gene expression before the full maturation of <scp><i>M</i></scp><i>agnaporthe oryzae</i> appressorium. Molecular Plant Pathology, 2016, 17, 354-368.	4.2	32
62	Genome-Wide Sequencing of 41 Rice (Oryza sativa L.) Mutated Lines Reveals Diverse Mutations Induced by Fast-Neutron Irradiation. Molecular Plant, 2016, 9, 1078-1081.	8.3	78
63	Targeted Switchgrass BAC Library Screening and Sequence Analysis Identifies Predicted Biomass and Stress Response-Related Genes. Bioenergy Research, 2016, 9, 109-122.	3.9	10
64	Overexpression of Rice Wall-Associated Kinase 25 (OsWAK25) Alters Resistance to Bacterial and Fungal Pathogens. PLoS ONE, 2016, 11, e0147310.	2.5	77
65	XA21-specific induction of stress-related genes following<i>Xanthomonas</i>infection of detached rice leaves. PeerJ, 2016, 4, e2446.	2.0	9
66	Mutation of the rice XA21 predicted nuclear localization sequence does not affect resistance toXanthomonas oryzaepv.oryzae. PeerJ, 2016, 4, e2507.	2.0	4
67	Structural characterization of a mixed-linkage glucan deficient mutant reveals alteration in cellulose microfibril orientation in rice coleoptile mesophyll cell walls. Frontiers in Plant Science, 2015, 6, 628.	3.6	24
68	Proteome profile of the endomembrane of developing coleoptiles from switchgrass (<i>Panicum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2	2.2	6
69	Cell Wall Composition and Bioenergy Potential of Rice Straw Tissues Are Influenced by Environment, Tissue Type, and Genotype. Bioenergy Research, 2015, 8, 1165-1182.	3.9	13
70	Engineering temporal accumulation of a low recalcitrance polysaccharide leads to increased C6 sugar content in plant cell walls. Plant Biotechnology Journal, 2015, 13, 903-914.	8.3	37
71	Phylogenomics databases for facilitating functional genomics in rice. Rice, 2015, 8, 60.	4.0	12
72	The rice immune receptor XA21 recognizes a tyrosine-sulfated protein from a Gram-negative bacterium. Science Advances, 2015, 1, e1500245.	10.3	209

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73	Transgenic Expression of the Dicotyledonous Pattern Recognition Receptor EFR in Rice Leads to Ligand-Dependent Activation of Defense Responses. PLoS Pathogens, 2015, 11, e1004809.	4.7	103
74	The Phylogenetically-Related Pattern Recognition Receptors EFR and XA21 Recruit Similar Immune Signaling Components in Monocots and Dicots. PLoS Pathogens, 2015, 11, e1004602.	4.7	87
75	RiceNet v2: an improved network prioritization server for rice genes. Nucleic Acids Research, 2015, 43, W122-W127.	14.5	95
76	OsSERK1 regulates rice development but not immunity to <i>Xanthomonas oryzae</i> pv<i>. oryzae</i> or <i>Magnaporthe oryzae</i>. Journal of Integrative Plant Biology, 2014, 56, 1179-1192.	8.5	40
77	The Role of RaxST, a Prokaryotic Sulfotransferase, and RaxABC, a Putative Type I Secretion System, in Activation of the Rice XA21-Mediated Immune Response. Scientifica, 2014, 2014, 1-3.	1.7	4
78	Lab to Farm: Applying Research on Plant Genetics and Genomics to Crop Improvement. PLoS Biology, 2014, 12, e1001878.	5.6	60
79	Structure of the OsSERK2 leucine-rich repeat extracellular domain. Acta Crystallographica Section D: Biological Crystallography, 2014, 70, 3080-3086.	2.5	16
80	An XA21-Associated Kinase (OsSERK2) Regulates Immunity Mediated by the XA21 and XA3 Immune Receptors. Molecular Plant, 2014, 7, 874-892.	8.3	129
81	Rice BiP3 regulates immunity mediated by the PRRs XA3 and XA21 but not immunity mediated by the NB-LRR protein, Pi5. Biochemical and Biophysical Research Communications, 2014, 448, 70-75.	2.1	10
82	Interaction specificity and coexpression of rice NPR1 homologs 1 and 3 (NH1 and NH3), TGA transcription factors and Negative Regulator of Resistance (NRR) proteins. BMC Genomics, 2014, 15, 461.	2.8	47
83	Transgenic expression of the rice <i>Xa21</i> patternâ€recognition receptor in banana (<i><scp>M</scp>usa</i> sp.) confers resistance to <i><scp>X</scp>anthomonas campestris</i> pv. <i>musacearum</i>. Plant Biotechnology Journal, 2014, 12, 663-673.	8.3	112
84	The plant glycosyltransferase clone collection for functional genomics. Plant Journal, 2014, 79, 517-529.	5.7	67
85	The<i>Xanthomonas</i>Ax21 protein is processed by the general secretory system and is secreted in association with outer membrane vesicles. PeerJ, 2014, 2, e242.	2.0	48
86	The endoplasmic reticulum-quality control component SDF2 is essential for XA21-mediated immunity in rice. Plant Science, 2013, 210, 53-60.	3.6	26
87	Comparative analysis of protein-protein interactions in the defense response of rice and wheat. BMC Genomics, 2013, 14, 166.	2.8	60
88	A comparative approach expands the proteinâ€“protein interaction node of the immune receptor XA21 in wheat and rice. Genome, 2013, 56, 315-326.	2.0	18
89	Transcriptome Profiling Analysis Using Rice Oligonucleotide Microarrays. Methods in Molecular Biology, 2013, 956, 95-107.	0.9	1
90	Recent Advances in Dissecting Stress-Regulatory Crosstalk in Rice. Molecular Plant, 2013, 6, 250-260.	8.3	149

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91	<i><scp>SUB</scp>1<scp>A</scp></i>â€mediated submergence tolerance response in rice involves differential regulation of the brassinosteroid pathway. New Phytologist, 2013, 198, 1060-1070.	7.3	84
92	Differential Requirement of Oryza sativa RAR1 in Immune Receptor-Mediated Resistance of Rice to Magnaporthe oryzae. Molecules and Cells, 2013, 35, 327-334.	2.6	11
93	Overexpression of a BAHD Acyltransferase, <i>OsAt10</i>, Alters Rice Cell Wall Hydroxycinnamic Acid Content and Saccharification Â Â Â. Plant Physiology, 2013, 161, 1615-1633.	4.8	164
94	Three Novel Rice Genes Closely Related to the ArabidopsisIRX9, IRX9L, and IRX14 Genes and Their Roles in Xylan Biosynthesis. Frontiers in Plant Science, 2013, 4, 83.	3.6	83
95	Construction of a rice glycoside hydrolase phylogenomic database and identification of targets for biofuel research. Frontiers in Plant Science, 2013, 4, 330.	3.6	35
96	Imprinted expression of genes and small RNA is associated with localized hypomethylation of the maternal genome in rice endosperm. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 7934-7939.	7.1	125
97	Abundance of mixed linkage glucan in mature tissues and secondary cell walls of grasses. Plant Signaling and Behavior, 2013, 8, e23143.	2.4	47
98	Development of an integrated transcript sequence database and a gene expression atlas for gene discovery and analysis in switchgrass (<i>Panicum virgatum</i> L.). Plant Journal, 2013, 74, 160-173.	5.7	70
99	Inactivation of OsIRX10 Leads to Decreased Xylan Content in Rice Culm Cell Walls and Improved Biomass Saccharification. Molecular Plant, 2013, 6, 570-573.	8.3	50
100	Reduced expression of glycolate oxidase leads to enhanced disease resistance inÂrice. PeerJ, 2013, 1, e28.	2.0	26
101	Protein phosphorylation in plant immunity: insights into the regulation of pattern recognition receptor-mediated signaling. Frontiers in Plant Science, 2012, 3, 177.	3.6	68
102	Loss of <i>Cellulose Synthase</i>-<i>Like F6</i> Function Affects Mixed-Linkage Glucan Deposition, Cell Wall Mechanical Properties, and Defense Responses in Vegetative Tissues of Rice Â Â Â. Plant Physiology, 2012, 159, 56-69.	4.8	179
103	Mechanical Stress Analysis as a Method to Understand the Impact of Genetically Engineered Rice and Arabidopsis Plants. Industrial Biotechnology, 2012, 8, 238-244.	0.8	6
104	FLS2-Mediated Responses to Ax21-Derived Peptides: Response to the Mueller et al. Commentary. Plant Cell, 2012, 24, 3174-3176.	6.6	5
105	Non-arginine-aspartate (non-RD) kinases are associated with innate immune receptors that recognize conserved microbial signatures. Current Opinion in Plant Biology, 2012, 15, 358-366.	7.1	111
106	XAX1 from glycosyltransferase family 61 mediates xylosyltransfer to rice xylan. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 17117-17122.	7.1	198
107	Tyrosine sulfation in a Gram-negative bacterium. Nature Communications, 2012, 3, 1153.	12.8	63
108	Cleavage and nuclear localization of the rice XA21 immune receptor. Nature Communications, 2012, 3, 920.	12.8	104

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109	The Rice Oligonucleotide Array Database: an atlas of rice gene expression. Rice, 2012, 5, 17.	4.0	192
110	Plant Innate Immunity: Perception of Conserved Microbial Signatures. Annual Review of Plant Biology, 2012, 63, 451-482.	18.7	304
111	Front-runners in plantâ€“microbe interactions. Current Opinion in Plant Biology, 2012, 15, 345-348.	7.1	9
112	Genome-wide identification and analysis of early heat stress responsive genes in rice. Journal of Plant Biology, 2012, 55, 458-468.	2.1	44
113	A Genome-Wide Survey of Switchgrass Genome Structure and Organization. PLoS ONE, 2012, 7, e33892.	2.5	50
114	Ligand induced cleavage and nuclear localization of the rice XA21 immune receptor. Nature Precedings, 2012, , .	0.1	1
115	Reference genome sequence of the model plant Setaria. Nature Biotechnology, 2012, 30, 555-561.	17.5	864
116	Top 10 plant pathogenic bacteria in molecular plant pathology. Molecular Plant Pathology, 2012, 13, 614-629.	4.2	1,678
117	A rice transient assay system identifies a novel domain in NRR required for interaction with NH1/OsNPR1 and inhibition of NH1-mediated transcriptional activation. Plant Methods, 2012, 8, 6.	4.3	35
118	Establishment of Glucocorticoid-Mediated Transcriptional Induction of the Rice XA21 Pattern Recognition Receptor. Journal of Plant Biology, 2012, 55, 43-49.	2.1	8
119	Two New Complete Genome Sequences Offer Insight into Host and Tissue Specificity of Plant Pathogenic Xanthomonas spp. Journal of Bacteriology, 2011, 193, 5450-5464.	2.2	189
120	Secretion, modification, and regulation of Ax21. Current Opinion in Microbiology, 2011, 14, 62-67.	5.1	28
121	Innate immunity in rice. Trends in Plant Science, 2011, 16, 451-459.	8.8	165
122	The Switchgrass Genome: Tools and Strategies. Plant Genome, 2011, 4, 273-282.	2.8	91
123	Small Protein-Mediated Quorum Sensing in a Gram-Negative Bacterium. PLoS ONE, 2011, 6, e29192.	2.5	33
124	Enhanced disease resistance and hypersensitivity to BTH by introduction of an NH1/OsNPR1 paralog. Plant Biotechnology Journal, 2011, 9, 205-215.	8.3	46
125	Transcriptional dynamics during cell wall removal and regeneration reveals key genes involved in cell wall development in rice. Plant Molecular Biology, 2011, 77, 391-406.	3.9	17
126	Quantitative Measurements of Xanthomonas Oryzae pv. Oryzae Distribution in Rice Using Fluorescent-Labeling. Journal of Plant Biology, 2011, 54, 269-274.	2.1	12

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127	Combining multivariate analysis and monosaccharide composition modeling to identify plant cell wall variations by Fourier Transform Near Infrared spectroscopy. Plant Methods, 2011, 7, 26.	4.3	23
128	Genetic dissection of the biotic stress response using a genome-scale gene network for rice. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 18548-18553.	7.1	170
129	Plant Genetics, Sustainable Agriculture and Global Food Security. Genetics, 2011, 188, 11-20.	2.9	157
130	The Arabidopsis flagellin receptor FLS2 mediates the perception of Xanthomonas Ax21 secreted peptides. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 9286-9291.	7.1	62
131	Towards Establishment of a Rice Stress Response Interactome. PLoS Genetics, 2011, 7, e1002020.	3.5	199
132	Small protein-mediated quorum sensing in a gram-negative bacterium: novel targets for control of infectious disease. Discovery Medicine, 2011, 12, 461-70.	0.5	12
133	OsWRKY IIa Transcription Factors Modulate Rice Innate Immunity. Rice, 2010, 3, 36-42.	4.0	76
134	Submergence Tolerant Rice: SUB1â€™s Journey from Landrace to Modern Cultivar. Rice, 2010, 3, 138-147.	4.0	283
135	A Survey of Databases for Analysis of Plant Cell Wall-Related Enzymes. Bioenergy Research, 2010, 3, 108-114.	3.9	6
136	Biosynthesis and emission of insect-induced methyl salicylate and methyl benzoate from rice. Plant Physiology and Biochemistry, 2010, 48, 279-287.	5.8	65
137	Genetic and biotechnological approaches for biofuel crop improvement. Current Opinion in Biotechnology, 2010, 21, 218-224.	6.6	74
138	Protein abundances are more conserved than mRNA abundances across diverse taxa. Proteomics, 2010, 10, 4209-4212.	2.2	131
139	The future of sustainable food production. Annals of the New York Academy of Sciences, 2010, 1190, 184-185.	3.8	7
140	Elucidation of XA21-mediated innate immunity. Cellular Microbiology, 2010, 12, 1017-1025.	2.1	61
141	An ATPase promotes autophosphorylation of the pattern recognition receptor XA21 and inhibits XA21-mediated immunity. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 8029-8034.	7.1	104
142	A Conserved Threonine Residue in the Juxtamembrane Domain of the XA21 Pattern Recognition Receptor Is Critical for Kinase Autophosphorylation and XA21-mediated Immunity. Journal of Biological Chemistry, 2010, 285, 10454-10463.	3.4	66
143	The Submergence Tolerance Regulator <i>Sub1A</i> Mediates Stress-Responsive Expression of <i>AP2</i>/<i>ERF</i> Transcription Factors. Plant Physiology, 2010, 152, 1674-1692.	4.8	166
144	Ectopic expression of rice Xa21 overcomes developmentally controlled resistance to Xanthomonas oryzae pv. oryzae. Plant Science, 2010, 179, 466-471.	3.6	34

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145	The Rice Kinase Phylogenomics Database: a guide for systematic analysis of the rice kinase super-family. Trends in Plant Science, 2010, 15, 595-599.	8.8	60
146	Plant and Animal Sensors of Conserved Microbial Signatures. Science, 2010, 330, 1061-1064.	12.6	224
147	Rice Snl6, a Cinnamoyl-CoA Reductase-Like Gene Family Member, Is Required for NH1-Mediated Immunity to Xanthomonas oryzae pv. oryzae. PLoS Genetics, 2010, 6, e1001123.	3.5	44
148	Overexpression of the Endoplasmic Reticulum Chaperone BiP3 Regulates XA21-Mediated Innate Immunity in Rice. PLoS ONE, 2010, 5, e9262.	2.5	117
149	Protein-Protein Interactions of Tandem Affinity Purified Protein Kinases from Rice. PLoS ONE, 2009, 4, e6685.	2.5	37
150	A Rice Kinase-Protein Interaction Map Â Â. Plant Physiology, 2009, 149, 1478-1492.	4.8	116
151	Focus: Plant Interactions with Bacterial Pathogens. Plant Physiology, 2009, 150, 1621-1622.	4.8	2
152	Direct calibration of PICKY-designed microarrays. BMC Bioinformatics, 2009, 10, 347.	2.6	9
153	Construction and Application of Efficient <i>Acâ€Ds</i> Transposon Tagging Vectors in Rice. Journal of Integrative Plant Biology, 2009, 51, 982-992.	8.5	18
154	A Type Iâ€“Secreted, Sulfated Peptide Triggers XA21-Mediated Innate Immunity. Science, 2009, 326, 850-853.	12.6	240
155	Rice <i>Pi5</i>-Mediated Resistance to <i>Magnaporthe oryzae</i> Requires the Presence of Two Coiled-Coilâ€“Nucleotide-Bindingâ€“Leucine-Rich Repeat Genes. Genetics, 2009, 181, 1627-1638.	2.9	239
156	Plant and microbial research seeks biofuel production from lignocellulose. California Agriculture, 2009, 63, 178-184.	0.8	6
157	The HSP90-SGT1-RAR1 molecular chaperone complex: A core modulator in plant immunity. Journal of Plant Biology, 2008, 51, 1-10.	2.1	43
158	Towards a better bowl of rice: assigning function to tens of thousands of rice genes. Nature Reviews Genetics, 2008, 9, 91-101.	16.3	143
159	Genome sequence and rapid evolution of the rice pathogen Xanthomonas oryzae pv. oryzae PXO99A. BMC Genomics, 2008, 9, 204.	2.8	327
160	A two-genome microarray for the rice pathogens Xanthomonas oryzae pv. oryzae and X. oryzae pv. oryzicola and its use in the discovery of a difference in their regulation of hrp genes. BMC Microbiology, 2008, 8, 99.	3.3	40
161	Assessing probe-specific dye and slide biases in two-color microarray data. BMC Bioinformatics, 2008, 9, 314.	2.6	10
162	Identification of a host 14-3-3 protein that interacts with Xanthomonas effector AvrRxv. Physiological and Molecular Plant Pathology, 2008, 72, 46-55.	2.5	25

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163	Construction of a Rice Glycosyltransferase Phylogenomic Database and Identification of Rice-Diverged Glycosyltransferases. Molecular Plant, 2008, 1, 858-877.	8.3	110
164	Strong Suppression of Systemic Acquired Resistance in Arabidopsis by NRR is Dependent on its Ability to Interact with NPR1and its Putative Repression Domain. Molecular Plant, 2008, 1, 552-559.	8.3	24
165	Identification and Functional Analysis of Light-Responsive Unique Genes and Gene Family Members in Rice. PLoS Genetics, 2008, 4, e1000164.	3.5	69
166	The<i>Xanthomonas oryzae</i>pv. oryzae PhoPQ Two-Component System Is Required for AvrXA21 Activity,<i>hrpG</i>Expression, and Virulence. Journal of Bacteriology, 2008, 190, 2183-2197.	2.2	96
167	OsWRKY62 is a Negative Regulator of Basal and Xa21-Mediated Defense against Xanthomonas oryzae pv. oryzae in Rice. Molecular Plant, 2008, 1, 446-458.	8.3	267
168	Rice XB15, a Protein Phosphatase 2C, Negatively Regulates Cell Death and XA21-Mediated Innate Immunity. PLoS Biology, 2008, 6, e231.	5.6	164
169	Refinement of Light-Responsive Transcript Lists Using Rice Oligonucleotide Arrays: Evaluation of Gene-Redundancy. PLoS ONE, 2008, 3, e3337.	2.5	104
170	Xanthomonas oryzae pv. oryzae AvrXA21 Activity Is Dependent on a Type One Secretion System, Is Regulated by a Two-Component Regulatory System that Responds to Cell Population Density, and Is Conserved in Other Xanthomonas spp.. , 2008, , 25-40.		0
171	Marker-Exchange Mutagenesis and Complementation Strategies for the Gram-Negative Bacteria <i>Xanthomonas oryzae</i> pv. <i>oryzae</i>. , 2007, 354, 11-18.		6
172	The Rice Kinase Database. A Phylogenomic Database for the Rice Kinome. Plant Physiology, 2007, 143, 579-586.	4.8	127
173	Rice XA21 Binding Protein 3 Is a Ubiquitin Ligase Required for Full Xa21-Mediated Disease Resistance. Plant Cell, 2007, 18, 3635-3646.	6.6	274
174	Global Identification and Characterization of Transcriptionally Active Regions in the Rice Genome. PLoS ONE, 2007, 2, e294.	2.5	82
175	Purification of soluble and active RaxH, a transmembrane histidine protein kinase from Xanthomonas oryzae pv. oryzae required for AvrXa21 activity. Molecular Plant Pathology, 2007, 8, 93-101.	4.2	3
176	A novel system for gene silencing using siRNAs in rice leaf and stem-derived protoplasts. Plant Methods, 2006, 2, 13.	4.3	320
177	Pathogenesis-related gene expression in rice is correlated with developmentally controlled Xa21-mediated resistance against Xanthomonas oryzae pv. oryzae. Physiological and Molecular Plant Pathology, 2006, 69, 131-139.	2.5	36
178	Xanthomonas oryzae pathovars: model pathogens of a model crop. Molecular Plant Pathology, 2006, 7, 303-324.	4.2	741
179	Proteinâ€“protein interactions of tandem affinity purificationâ€tagged protein kinases in rice. Plant Journal, 2006, 46, 1-13.	5.7	164
180	Sub1A is an ethylene-response-factor-like gene that confers submergence tolerance to rice. Nature, 2006, 442, 705-708.	27.8	1,332

#	Article	IF	Citations
181	Plant and Animal Pathogen Recognition Receptors Signal through Non-RD Kinases. PLoS Pathogens, 2006, 2, e2.	4.7	230
182	A viral resistance gene from common bean functions across plant families and is up-regulated in a non-virus-specific manner. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 11856-11861.	7.1	107
183	Fertility versus disease resistance, a hard choice. Genes and Development, 2006, 20, 1215-1217.	5.9	1
184	A Variable Cluster of Ethylene Response Factorâ€"Like Genes Regulates Metabolic and Developmental Acclimation Responses to Submergence in Rice. Plant Cell, 2006, 18, 2021-2034.	6.6	601
185	Unique characteristics of Xanthomonas oryzae pv. oryzae AvrXa21 and implications for plant innate immunity. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 18395-18400.	7.1	110
186	Overexpression of a Rice NPR1 Homolog Leads to Constitutive Activation of Defense Response and Hypersensitivity to Light. Molecular Plant-Microbe Interactions, 2005, 18, 511-520.	2.6	346
187	Alteration of TGA factor activity in rice results in enhanced tolerance to Xanthomonas oryzae pv. oryzae. Plant Journal, 2005, 43, 335-347.	5.7	76
188	Rice NRR, a negative regulator of disease resistance, interacts with Arabidopsis NPR1 and rice NH1. Plant Journal, 2005, 43, 623-635.	5.7	131
189	Characterization of four rice mutants with alterations in the defence response pathway. Molecular Plant Pathology, 2005, 6, 11-21.	4.2	27
190	RaxH/RaxR: A Two-Component Regulatory System in Xanthomonas oryzae pv. oryzae Required for AvrXa21 Activity. Molecular Plant-Microbe Interactions, 2004, 17, 602-612.	2.6	71
191	Overexpression of (At)NPR1 in Rice Leads to a BTH- and Environment-Induced Lesion-Mimic/Cell Death Phenotype. Molecular Plant-Microbe Interactions, 2004, 17, 140-151.	2.6	199
192	Bacterial Genes Involved in Type I Secretion and Sulfation Are Required to Elicit the Rice Xa21-Mediated Innate Immune Response. Molecular Plant-Microbe Interactions, 2004, 17, 593-601.	2.6	124
193	Induction of H2O2 in transgenic rice leads to cell death and enhanced resistance to both bacterial and fungal pathogens. Transgenic Research, 2003, 12, 577-586.	2.4	63
194	Transgenically enhanced sorbitol synthesis facilitates phloem-boron mobility in rice. Physiologia Plantarum, 2003, 117, 79-84.	5.2	35
195	A catalytically impaired mutant of the rice Xa21 receptor kinase confers partial resistance to Xanthomonas oryzae pv oryzae. Physiological and Molecular Plant Pathology, 2003, 62, 203-208.	2.5	31
196	Antagonistic Interactions Between Strains of Xanthomonas oryzae pv. oryzae. Phytopathology, 2003, 93, 705-711.	2.2	6
197	THE RICE GENOME: The Most Precious Things Are Not Jade and Pearls.... Science, 2002, 296, 58-59.	12.6	24
198	Biochemical Characterization of the Kinase Domain of the Rice Disease Resistance Receptor-like Kinase XA21. Journal of Biological Chemistry, 2002, 277, 20264-20269.	3.4	65

#	Article	IF	Citations
199	Molecular determinants of disease and resistance in interactions of Xanthomonas oryzae pv. oryzae and rice. Microbes and Infection, 2002, 4, 1361-1367.	1.9	76
200	The Xanthomonas oryzae pv.â—Šoryzae raxP and raxQ genes encode an ATP sulphurylase and adenosine-5â€²-phosphosulphate kinase that are required for AvrXa21 avirulence activity. Molecular Microbiology, 2002, 44, 37-48.	2.5	79
201	Engineering pathogen resistance in crop plants. Transgenic Research, 2002, 11, 599-613.	2.4	67
202	Isolation of a Xanthomonas oryzae pv. oryzae Flagellar Operon Region and Molecular Characterization of flhF. Molecular Plant-Microbe Interactions, 2001, 14, 204-213.	2.6	54
203	Evidence for a disease-resistance pathway in rice similar to the NPR1-mediated signaling pathway in Arabidopsis. Plant Journal, 2001, 27, 101-113.	5.7	311
204	A fast neutron deletion mutagenesis-based reverse genetics system for plants. Plant Journal, 2001, 27, 235-242.	5.7	200
205	The rice Rim2 transcript accumulates in response to Magnaporthe grisea and its predicted protein product shares similarity with TNP2-like proteins encoded by CACTA transposons. Molecular Genetics and Genomics, 2000, 264, 2-10.	2.4	39
206	Isolation and characterization of disease resistance gene homologues from rice cultivar IR64. Gene, 2000, 255, 245-255.	2.2	22
207	Perception of Brassinosteroids by the Extracellular Domain of the Receptor Kinase BRI1. Science, 2000, 288, 2360-2363.	12.6	439
208	Expression of a Gibberellin-Induced Leucine-Rich Repeat Receptor-Like Protein Kinase in Deepwater Rice and Its Interaction with Kinase-Associated Protein Phosphatase1. Plant Physiology, 1999, 120, 559-570.	4.8	86
209	Developmental control of Xa21-mediated disease resistance in rice. Plant Journal, 1999, 20, 231-236.	5.7	120
210	Particle-bombardment-mediated co-transformation of elite Chinese rice cultivars with genes conferring resistance to bacterial blight and sap-sucking insect pests. Planta, 1999, 208, 552-563.	3.2	80
211	Transgenic elite Indica rice varieties, resistant to Xanthomonas oryzae pv. oryzae. Molecular Breeding, 1998, 4, 551-558.	2.1	58
212	Resistance gene evolution. Current Opinion in Plant Biology, 1998, 1, 294-298.	7.1	73
213	Xa21D Encodes a Receptor-like Molecule with a Leucine-Rich Repeat Domain That Determines Race-Specific Recognition and Is Subject to Adaptive Evolution. Plant Cell, 1998, 10, 765-779.	6.6	304
214	Evolution of the Rice Xa21 Disease Resistance Gene Family. Plant Cell, 1997, 9, 1279.	6.6	56
215	The molecular basis of disease resistance in rice. Plant Molecular Biology, 1997, 35, 179-186.	3.9	59
216	Predicting Success of Indica/Japonica Crosses in Rice, Based on a PCR Marker for the Sâ€5n Allele at a Hybridâ€Sterility Locus. Crop Science, 1997, 37, 1910-1912.	1.8	5

#	Article	IF	Citations
217	Making Rice Disease-Resistant. Scientific American, 1997, 277, 100-105.	1.0	21
218	Construction of an arabidopsis BAC library and isolation of clones hybridizing with disease-resistance, gene-like sequences. Plant Molecular Biology Reporter, 1996, 14, 107-114.	1.8	18
219	Construction of a rice bacterial artificial chromosome library and identification of clones linked to the Xa-21 disease resistance locus. Plant Journal, 1995, 7, 525-533.	5.7	209
220	PCR template-DNA isolated quickly from monocot and dicot leaves without tissue homogenization. Nucleic Acids Research, 1994, 22, 1917-1918.	14.5	68
221	Genetic and physical analysis of the rice bacterial blight disease resistance locus, Xa21. Molecular Genetics and Genomics, 1992, 236, 113-120.	2.4	275
222	Molecular basis for evasion of plant host defence in bacterial spot disease of pepper. Nature, 1988, 332, 541-543.	27.8	103
223	MAIZE MITOCHONDRIAL PLASMID S-1 SEQUENCES SHARE HOMOLOGY WITH CHLOROPLAST GENE <i>psbA</i>. Genetics, 1986, 113, 469-482.	2.9	40
224	PHENYLALANINE AMMONIA LYASE AND PEROXIDASE ACTIVITY IN MYCORRHIZAL AND NONMYCORRHIZAL SHORT ROOTS OF SCOTS PINE, PINUS SYLVESTRIS L.. New Phytologist, 1985, 101, 487-494.	7.3	17
225	Engineering Pathogen Resistance in Crop Plants. , 0, , .		1