Yangdou Wei

List of Publications by Year
in descending order

58 papers	4,905 citations	172457 29 h-index	133252 59 g-index
59 all docs	59 docs citations	59 times ranked	6231 citing authors

#	Article	IF	Citations
1	Evolutionary divergence in embryo and seed coat development of Uâ€™s Triangle <i>Brassica</i> species illustrated by a spatiotemporal transcriptome atlas. New Phytologist, 2022, 233, 30-51.	7.3	16
2	With a Little Help from My Cell Wall: Structural Modifications in Pectin May Play a Role to Overcome Both Dehydration Stress and Fungal Pathogens. Plants, 2022, 11, 385.	3.5	5
3	Cold and exogenous calcium alter <i>Allium fistulosum</i> cell wall pectin to depress intracellular freezing temperatures. Journal of Experimental Botany, 2022, 73, 3807-3822.	4.8	9
4	A clubroot pathogen effector targets cruciferous cysteine proteases to suppress plant immunity. Virulence, 2021, 12, 2327-2340.	4.4	23
5	Alternative splicing dynamics and evolutionary divergence during embryogenesis in wheat species. Plant Biotechnology Journal, 2021, 19, 1624-1643.	8.3	23
6	The ARP2/3 complex, acting cooperatively with Class I formins, modulates penetration resistance in Arabidopsis against powdery mildew invasion. Plant Cell, 2021, 33, 3151-3175.	6.6	23
7	Endomembrane-Targeting Plasmodiophora brassicae Effectors Modulate PAMP Triggered Immune Responses in Plants. Frontiers in Microbiology, 2021, 12, 651279.	3.5	19
8	Distinct phosphoinositides define the biotrophic interface of plantâ€“microbe interactions. Molecular Plant, 2021, 14, 1223-1225.	8.3	5
9	ClubrootTracker: A Resource to Plan a Clubroot-Free Farm. Plant Health Progress, 2020, 21, 185-187.	1.4	4
10	Comparing the Infection Biology of Plasmodiophora brassicae in Clubroot Susceptible and Resistant Hosts and Non-hosts. Frontiers in Microbiology, 2020, 11, 507036.	3.5	14
11	Refining the Life Cycle of <i>Plasmodiophora brassicae</i>. Phytopathology, 2020, 110, 1704-1712.	2.2	50
12	Arabidopsis UBC22, an E2 able to catalyze lysine-11 specific ubiquitin linkage formation, has multiple functions in plant growth and immunity. Plant Science, 2020, 297, 110520.	3.6	10
13	Specific Recruitment of Phosphoinositide Species to the Plant-Pathogen Interfacial Membrane Underlies Arabidopsis Susceptibility to Fungal Infection. Plant Cell, 2020, 32, 1665-1688.	6.6	47
14	Receptor-Like Kinases BAK1 and SOBIR1 Are Required for Necrotizing Activity of a Novel Group of Sclerotinia sclerotiorum Necrosis-Inducing Effectors. Frontiers in Plant Science, 2020, 11, 1021.	3.6	25
15	Transcriptome Analysis Identifies <i>Plasmodiophora brassicae</i> Secondary Infection Effector Candidates. Journal of Eukaryotic Microbiology, 2020, 67, 337-351.	1.7	38
16	Acetyl-coenzyme A synthetase geneChAcs1is essential for lipid metabolism, carbon utilization and virulence of the hemibiotrophic fungusColletotrichum higginsianum. Molecular Plant Pathology, 2019, 20, 107-123.	4.2	15
17	The Transcriptional Landscape of Polyploid Wheats and Their Diploid Ancestors during Embryogenesis and Grain Development. Plant Cell, 2019, 31, 2888-2911.	6.6	57
18	Clubroot resistance gene Rcr6 in Brassica nigra resides in a genomic region homologous to chromosome A08 in B. rapa. BMC Plant Biology, 2019, 19, 224.	3.6	32

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19	Synchrotron-based spectroscopy and imaging reveal changes in the cell-wall composition of barley leaves in defence responses to <i>Blumeria graminis</i> f. sp. <i>tritici</i>. Canadian Journal of Plant Pathology, 2019, 41, 457-467.	1.4	7
20	Arabidopsis <i><scp>UBC</scp>13</i> differentially regulates two programmed cell death pathways in responses to pathogen and lowâ€temperature stress. New Phytologist, 2019, 221, 919-934.	7.3	56
21	Live cell imaging of Plasmodiophora brassicae â€"host plant interactions based on a twoâ€step axenic culture system. MicrobiologyOpen, 2019, 8, e00765.	3.0	8
22	Roles of Cytosolic Glutamine Synthetases in Arabidopsis Development and Stress Responses. Plant and Cell Physiology, 2019, 60, 657-671.	3.1	36
23	Colletotrichum higginsianum as a Model for Understanding Hostâ€"Pathogen Interactions: A Review. International Journal of Molecular Sciences, 2018, 19, 2142.	4.1	53
24	Genome Wide Identification and Expression Profiling of SWEET Genes Family Reveals Its Role During Plasmodiophora brassicae-Induced Formation of Clubroot in Brassica rapa. Frontiers in Plant Science, 2018, 9, 207.	3.6	64
25	Transcriptome analysis of response to Plasmodiophora brassicae infection in the Arabidopsis shoot and root. BMC Genomics, 2018, 19, 23.	2.8	96
26	Identification of Plasmodiophora brassicae effectors â€" A challenging goal. Virulence, 2018, 9, 1344-1353.	4.4	35
27	Multifaceted Roles of the Ras Guanine-Nucleotide Exchange Factor <i>ChRgf</i> in Development, Pathogenesis, and Stress Responses of <i>Colletotrichum higginsianum</i>. Phytopathology, 2017, 107, 433-443.	2.2	21
28	Effects of <scp>eIF</scp>iso4G1 mutation on seed oil biosynthesis. Plant Journal, 2017, 90, 966-978.	5.7	9
29	Transcriptome analysis reveals a complex interplay between resistance and effector genes during the compatible lentil-Colletotrichum lentis interaction. Scientific Reports, 2017, 7, 42338.	3.3	21
30	Changes in the Sclerotinia sclerotiorum transcriptome during infection of Brassica napus. BMC Genomics, 2017, 18, 266.	2.8	115
31	The Dâ€lactate dehydrogenase MoDLD1 is essential for growth and infectionâ€related development in <i>Magnaporthe oryzae</i>. Environmental Microbiology, 2017, 19, 3938-3958.	3.8	5
32	QTL mapping and molecular characterization of the classical D locus controlling seed and flower color in Linum usitatissimum (flax). Scientific Reports, 2017, 7, 15751.	3.3	17
33	A Novel MFS Transporter Gene ChMfs1 Is Important for Hyphal Morphology, Conidiation, and Pathogenicity in Colletotrichum higginsianum. Frontiers in Microbiology, 2017, 8, 1953.	3.5	31
34	Understanding the Biochemical Basis of Temperature-Induced Lipid Pathway Adjustments in Plants. Plant Cell, 2015, 27, 86-103.	6.6	161
35	Myosins XI modulate host cellular responses and penetration resistance to fungal pathogens. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 13996-14001.	7.1	65
36	Identification of virulence genes in the crucifer anthracnose fungus Colletotrichum higginsianum by insertional mutagenesis. Microbial Pathogenesis, 2013, 64, 6-17.	2.9	50

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37	Peroxisomal Alanine: Glyoxylate Aminotransferase AGT1 Is Indispensable for Appressorium Function of the Rice Blast Pathogen, Magnaporthe oryzae. PLoS ONE, 2012, 7, e36266.	2.5	35
38	Analysis of the promoter region of the gene LIP1 encoding triglyceride lipase from Fusarium graminearum. Microbiological Research, 2011, 166, 618-628.	5.3	7
39	Molecular and morphological differentiation of<i>Colletotrichum truncatum</i>from scentless chamomile and selected crop species. Canadian Journal of Plant Pathology, 2011, 33, 512-524.	1.4	2
40	Metabolic and Transcriptional Responses of Glycerolipid Pathways to a Perturbation of Glycerol 3-Phosphate Metabolism in Arabidopsis. Journal of Biological Chemistry, 2010, 285, 22957-22965.	3.4	33
41	Amino Acid Homeostasis Modulates Salicylic Acidâ€“Associated Redox Status and Defense Responses in<i>Arabidopsis</i>Â Â Â. Plant Cell, 2010, 22, 3845-3863.	6.6	200
42	Reverse Genetics for Functional Genomics of Phytopathogenic Fungi and Oomycetes. Comparative and Functional Genomics, 2009, 2009, 1-11.	2.0	26
43	Transducin Beta-Like Gene <i>FTL1</i> Is Essential for Pathogenesis in <i>Fusarium graminearum</i>. Eukaryotic Cell, 2009, 8, 867-876.	3.4	92
44	Targeted alterations in iron homeostasis underlie plant defense responses. Journal of Cell Science, 2007, 120, 596-605.	2.0	150
45	Detached and Attached Arabidopsis Leaf Assays Reveal Distinctive Defense Responses Against Hemibiotrophic Colletotrichum spp.. Molecular Plant-Microbe Interactions, 2007, 20, 1308-1319.	2.6	94
46	The siderophore biosynthetic gene SID1, but not the ferroxidase gene FET3, is required for full Fusarium graminearum virulence. Molecular Plant Pathology, 2007, 8, 411-421.	4.2	79
47	Transcriptional regulation of genes involved in the pathways of biosynthesis and supply of methyl units in response to powdery mildew attack and abiotic stresses in wheat. Plant Molecular Biology, 2007, 64, 305-318.	3.9	67
48	Involvement of a Glycerol-3-Phosphate Dehydrogenase in Modulating the NADH/NAD+ Ratio Provides Evidence of a Mitochondrial Glycerol-3-Phosphate Shuttle in Arabidopsis. Plant Cell, 2006, 18, 422-441.	6.6	140
49	Differential regulation of wheat quinone reductases in response to powdery mildew infection. Planta, 2005, 222, 867-875.	3.2	16
50	A secreted lipase encoded by LIP1 is necessary for efficient use of saturated triglyceride lipids in Fusarium graminearum. Microbiology (United Kingdom), 2005, 151, 3911-3921.	1.8	45
51	Profiling of Wheat Class III Peroxidase Genes Derived from Powdery Mildew-Attacked Epidermis Reveals Distinct Sequence-Associated Expression Patterns. Molecular Plant-Microbe Interactions, 2005, 18, 730-741.	2.6	65
52	Targeted Gene Disruption of Glycerol-3-phosphate Dehydrogenase in Colletotrichum gloeosporioides Reveals Evidence That Glycerol Is a Significant Transferred Nutrient from Host Plant to Fungal Pathogen. Journal of Biological Chemistry, 2004, 279, 429-435.	3.4	51
53	Activity and gene expression of acid invertases in einkorn wheat (<i>Triticum monococcum</i>) infected with powdery mildew. Canadian Journal of Plant Pathology, 2004, 26, 506-513.	1.4	5
54	New insights in to ancient resistance: the molecular side of cell wall appositions. Phytoprotection, 2004, 85, 49-52.	0.3	9

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55	Two pectin lyase genes, pnl-1 and pnl-2, from Colletotrichum gloeosporioides f. sp. malvae differ in a cellulose-binding domain and in their expression during infection of Malva pusilla b bThe GenBank accession numbers for the sequences reported in this paper are AF158256 and AF156984.. Microbiology (United Kingdom), 2002, 148, 2149-2157.	1.8	30
56	Molecular and biochemical characterizations of a plastidic glycerol-3-phosphate dehydrogenase from Arabidopsis. Plant Physiology and Biochemistry, 2001, 39, 841-848.	5.8	46
57	Increased expression of a plant actin gene during a biotrophic interaction between round-leaved mallow, Malva pusilla , and Colletotrichum gloeosporioides f. sp. malvae. Planta, 1999, 209, 487-494.	3.2	39
58	Subcellular localization of H2O2 in plants. H2O2 accumulation in papillae and hypersensitive response during the barley-powdery mildew interaction. Plant Journal, 1997, 11, 1187-1194.	5.7	2,406