Thomas Kroj

List of Publications by Year
in descending order

38 papers	6,050 citations	186265 28 h-index	302126 39 g-index
43 all docs	43 docs citations	43 times ranked	7143 citing authors

#	ARTICLE	IF	CITATIONS
1	bZIP transcription factors in Arabidopsis. Trends in Plant Science, 2002, 7, 106-111.	8.8	1,585
2	The Rice Resistance Protein Pair RGA4/RGA5 Recognizes the <i>Magnaporthe oryzae</i> Effectors AVR-Pia and AVR1-CO39 by Direct Binding Â. Plant Cell, 2013, 25, 1463-1481.	6.6	466
3	The Transcription Factors WRKY11 and WRKY17 Act as Negative Regulators of Basal Resistance in Arabidopsis thaliana. Plant Cell, 2006, 18, 3289-3302.	6.6	391
4	Receptor-Mediated Activation of a MAP Kinase in Pathogen Defense of Plants. Science, 1997, 276, 2054-2057.	12.6	369
5	A novel conserved mechanism for plant NLR protein pairs: the Ã¢â,¬Å“integrated decoyÃ¢â,¬Â•hypothesis. Frontiers in Plant Science, 2014, 5, 606.	3.6	324
6	The <scp>NB</scp>â€‹<scp>LRR</scp> proteins <scp>RGA</scp>4 and <scp>RGA</scp>5 interact functionally and physically to confer disease resistance. EMBO Journal, 2014, 33, 1941-1959.	7.8	310
7	Regulation of storage protein gene expression in Arabidopsis. Development (Cambridge), 2003, 130, 6065-6073.	2.5	244
8	Integration of decoy domains derived from protein targets of pathogen effectors into plant immune receptors is widespread. New Phytologist, 2016, 210, 618-626.	7.3	232
9	Cinnamyl alcohol dehydrogenasesâ€Œ and D, key enzymes in lignin biosynthesis, play an essential role in disease resistance in Arabidopsis. Molecular Plant Pathology, 2010, 11, 83-92.	4.2	229
10	Structure Analysis Uncovers a Highly Diverse but Structurally Conserved Effector Family in Phytopathogenic Fungi. PLoS Pathogens, 2015, 11, e1005228.	4.7	188
11	Several wall-associated kinases participate positively and negatively in basal defense against rice blast fungus. BMC Plant Biology, 2016, 16, 17.	3.6	180
12	Analysis of an activated ABI5 allele using a new selection method for transgenic Arabidopsis seeds. FEBS Letters, 2004, 561, 127-131.	2.8	144
13	VASCULAR ASSOCIATED DEATH1, a Novel GRAM Domainâ€“Containing Protein, Is a Regulator of Cell Death and Defense Responses in Vascular Tissues. Plant Cell, 2004, 16, 2217-2232.	6.6	129
14	Cytokinin Production by the Rice Blast Fungus Is a Pivotal Requirement for Full Virulence. PLoS Pathogens, 2016, 12, e1005457.	4.7	119
15	An Atypical Kinase under Balancing Selection Confers Broad-Spectrum Disease Resistance in Arabidopsis. PLoS Genetics, 2013, 9, e1003766.	3.5	117
16	Recognition of the <i>Magnaporthe oryzae</i> Effector AVR-Pia by the Decoy Domain of the Rice NLR Immune Receptor RGA5. Plant Cell, 2017, 29, 156-168.	6.6	114
17	Mitogen-activated Protein Kinases Play an Essential Role in Oxidative Burst-independent Expression of Pathogenesis-related Genes in Parsley. Journal of Biological Chemistry, 2003, 278, 2256-2264.	3.4	106
18	Deciphering Genome Content and Evolutionary Relationships of Isolates from the Fungus<i>Magnaporthe oryzae</i>Attacking Different Host Plants. Genome Biology and Evolution, 2015, 7, 2896-2912.	2.5	96

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19	Specific recognition of two MAX effectors by integrated HMA domains in plant immune receptors involves distinct binding surfaces. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 11637-11642.	7.1	94
20	The <i><scp>M</scp>agnaporthe oryzae</i> effector <scp>AVR</scp>1â€“<scp>CO</scp>39 is translocated into rice cells independently of a fungalâ€derived machinery. Plant Journal, 2013, 74, 1-12.	5.7	91
21	AvrAC _{Xcc8004} , a Type III Effector with a Leucine-Rich Repeat Domain from <i>Xanthomonas campestris</i> Pathovar campestris Confers Avirulence in Vascular Tissues of <i>Arabidopsis thaliana</i> Ecotype Col-0. Journal of Bacteriology, 2008, 190, 343-355.	2.2	84
22	Pathogen effectors and plant immunity determine specialization of the blast fungus to rice subspecies. ELife, 2016, 5, .	6.0	67
23	Optimization of pathogenicity assays to study the <i>Arabidopsis thaliana</i>â€“<i>Xanthomonas campestris</i> pv. <i>campestris</i> pathosystem. Molecular Plant Pathology, 2005, 6, 327-333.	4.2	66
24	New recognition specificity in a plant immune receptor by molecular engineering of its integrated domain. Nature Communications, 2022, 13, 1524.	12.8	47
25	Natural Variation in Partial Resistance to Pseudomonas syringae Is Controlled by Two Major QTLs in Arabidopsis thaliana. PLoS ONE, 2006, 1, e123.	2.5	33
26	Magnaporthe oryzae effectors MoHEG13 and MoHEG16 interfere with host infection and MoHEG13 counteracts cell death caused by Magnaporthe-NLPs in tobacco. Plant Cell Reports, 2016, 35, 1169-1185.	5.6	32
27	Precision Breeding Made Real with CRISPR: Illustration through Genetic Resistance to Pathogens. Plant Communications, 2020, 1, 100102.	7.7	32
28	Effector Mimics and Integrated Decoys, the Never-Ending Arms Race between Rice and Xanthomonas oryzae. Frontiers in Plant Science, 2017, 8, 431.	3.6	31
29	Ectopic activation of the rice <scp>NLR</scp> heteropair <scp>RGA</scp>4/<scp>RGA</scp>5 confers resistance to bacterial blight and bacterial leaf streak diseases. Plant Journal, 2016, 88, 43-55.	5.7	27
30	Three wall-associated kinases required for rice basal immunity form protein complexes in the plasma membrane. Plant Signaling and Behavior, 2016, 11, e1149676.	2.4	20
31	A novel robust and highâ€throughput method to measure cell death in <i>Nicotiana benthamiana</i> leaves by fluorescence imaging. Molecular Plant Pathology, 2021, 22, 1688-1696.	4.2	11
32	Insight into the structure and molecular mode of action of plant paired NLR immune receptors. Essays in Biochemistry, 2022, 66, 513-526.	4.7	11
33	An Arabidopsis mutant with altered hypersensitive response to Xanthomonas campestris pv. campestris, hxc1, displays a complex pathophenotype. Molecular Plant Pathology, 2004, 5, 453-464.	4.2	7
34	The Rice DNA-Binding Protein ZBED Controls Stress Regulators and Maintains Disease Resistance After a Mild Drought. Frontiers in Plant Science, 2020, 11, 1265.	3.6	6
35	The activity of the <scp>RGA5</scp> sensor <scp>NLR</scp> from rice requires binding of its integrated <scp>HMA</scp> domain to effectors but not <scp>HMA</scp> domain selfâ€interaction. Molecular Plant Pathology, 2022, 23, 1320-1330.	4.2	4
36	Transposon-Mediated NLR Exile to the Pollen Allows Rice Blast Resistance without Yield Penalty. Molecular Plant, 2017, 10, 665-667.	8.3	3

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37	Combining High-Pressure NMR and Geometrical Sampling to Obtain a Full Topological Description of Protein Folding Landscapes: Application to the Folding of Two MAX Effectors from Magnaporthe oryzae. International Journal of Molecular Sciences, 2022, 23, 5461.	4.1	3
38	1H, 13C, 15ÂN backbone and side-chain NMR assignments for three MAX effectors from Magnaporthe oryzae. Biomolecular NMR Assignments, 0, , .	0.8	2