Birgit Kemmerling

List of Publications by Year
in descending order

42	7,471	159585 30	315739 38
papers	citations	h-index	g-index

45	45	45	7351
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A flagellin-induced complex of the receptor FLS2 and BAK1 initiates plant defence. Nature, 2007, 448, 497-500.	27.8	1,619
2	Innate immunity in plants and animals: striking similarities and obvious differences. Immunological Reviews, 2004, 198, 249-266.	6.0	1,071
3	Conserved requirement for a plant host cell protein in powdery mildew pathogenesis. Nature Genetics, 2006, 38, 716-720.	21.4	430
4	Specific Bacterial Suppressors of MAMP Signaling Upstream of MAPKKK in Arabidopsis Innate Immunity. Cell, 2006, 125, 563-575.	28.9	386
5	The BRI1-Associated Kinase 1, BAK1, Has a Brassinolide-Independent Role in Plant Cell-Death Control. Current Biology, 2007, 17, 1116-1122.	3.9	356
6	Perception of the Arabidopsis Danger Signal Peptide 1 Involves the Pattern Recognition Receptor AtPEPR1 and Its Close Homologue AtPEPR2. Journal of Biological Chemistry, 2010, 285, 13471-13479.	3.4	317
7	Phytotoxicity and Innate Immune Responses Induced by Nep1-Like Proteins. Plant Cell, 2007, 18, 3721-3744.	6.6	314
8	NPP1, aPhytophthora-associated trigger of plant defense in parsley andArabidopsis. Plant Journal, 2002, 32, 375-390.	5.7	289
9	One for all: the receptor-associated kinase BAK1. Trends in Plant Science, 2009, 14, 535-541.	8.8	281
10	Bacteria-derived Peptidoglycans Constitute Pathogen-associated Molecular Patterns Triggering Innate Immunity in Arabidopsis. Journal of Biological Chemistry, 2007, 282, 32338-32348.	3.4	270
11	The Leucine-Rich Repeat Receptor Kinase BIR2 Is a Negative Regulator of BAK1 in Plant Immunity. Current Biology, 2014, 24, 134-143.	3.9	219
12	The multifunctional leucine-rich repeat receptor kinase BAK1 is implicated in Arabidopsis development and immunity. European Journal of Cell Biology, 2010, 89, 169-174.	3.6	193
13	Arabidopsis SOMATIC EMBRYOGENESIS RECEPTOR KINASE Proteins Serve Brassinosteroid-Dependent and -Independent Signaling Pathways Â. Plant Physiology, 2008, 148, 611-619.	4.8	175
14	Layered pattern receptor signaling via ethylene and endogenous elicitor peptides during Arabidopsis immunity to bacterial infection. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 6211-6216.	7.1	165
15	The tyrosineâ€sulfated peptide receptors PSKR1 and PSY1R modify the immunity of Arabidopsis to biotrophic and necrotrophic pathogens in an antagonistic manner. Plant Journal, 2013, 73, 469-482.	5.7	163
16	Heat Shock Factors HsfB1 and HsfB2b Are Involved in the Regulation of Pdf1.2 Expression and Pathogen Resistance in Arabidopsis. Molecular Plant, 2009, 2, 152-165.	8.3	138
17	A regulon conserved in monocot and dicot plants defines a functional module in antifungal plant immunity. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 21896-21901.	7.1	110
18	The Arabidopsis Leucine-Rich Repeat Receptor Kinase BIR3 Negatively Regulates BAK1 Receptor Complex Formation and Stabilizes BAK1. Plant Cell, 2017, 29, 2285-2303.	6.6	94

#	Article	IF	Citations
19	Receptor protein kinases â€“ pattern recognition receptors in plant immunity. Trends in Plant Science, 2006, 11, 519-522.	8.8	93
20	Plant systems for recognition of pathogen-associated molecular patterns. Seminars in Cell and Developmental Biology, 2009, 20, 1025-1031.	5.0	93
21	Loss of the common immune coreceptor BAK1 leads to NLR-dependent cell death. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 27044-27053.	7.1	63
22	Expression of ?-1,3-glucanase and chitinase in healthy, stem-rust-affected and elicitor-treated near-isogenic wheat lines showingSr5-orSr24-specified race-specific rust resistance. Planta, 1997, 201, 235-244.	3.2	61
23	A novel <scp>A</scp>rabidopsis <scp>CHITIN ELICITOR RECEPTOR KINASE 1 (CERK1)</scp> mutant with enhanced pathogenâ€induced cell death and altered receptor processing. New Phytologist, 2014, 204, 955-967.	7.3	55
24	A genome-wide survey for Arabidopsis leucine-rich repeat receptor kinases implicated in plant immunity. Frontiers in Plant Science, 2011, 2, 88.	3.6	53
25	Structure of the pseudokinase domain of BIR2, a regulator of BAK1-mediated immune signaling in Arabidopsis. Journal of Structural Biology, 2014, 186, 112-121.	2.8	53
26	Separable roles of the Pseudomonas syringae pv. phaseolicola accessory protein HrpZ1 in ionâ€conducting pore formation and activation of plant immunity. Plant Journal, 2009, 57, 706-717.	5.7	52
27	Altered growth and improved resistance of <scp>A</scp>rabidopsis against <scp>P</scp>seudomonas syringae by overexpression of the basic amino acid transporter <scp>AtCAT1</scp>. Plant, Cell and Environment, 2014, 37, 1404-1414.	5.7	49
28	PSKR1 and PSY1R-mediated regulation of plant defense responses. Plant Signaling and Behavior, 2013, 8, e24119.	2.4	47
29	Microtubule-Associated Kinase-like Protein RUNKEL Needed for Cell Plate Expansion in Arabidopsis Cytokinesis. Current Biology, 2009, 19, 518-523.	3.9	44
30	Addressing Nanomaterial Immunosafety by Evaluating Innate Immunity across Living Species. Small, 2020, 16, e2000598.	10.0	35
31	Evolutionarily distant pathogens require the Arabidopsis phytosulfokine signalling pathway to establish disease. Plant, Cell and Environment, 2016, 39, 1396-1407.	5.7	34
32	Chapter 1 PAMP-Triggered Basal Immunity in Plants. Advances in Botanical Research, 2009, , 1-38.	1.1	25
33	BIR2 affects complex formation of BAK1 with ligand binding receptors in plant defense. Plant Signaling and Behavior, 2014, 9, e28944.	2.4	21
34	Probing the immune responses to nanoparticles across environmental species. A perspective of the EU Horizon 2020 project PANDORA. Environmental Science: Nano, 2020, 7, 3216-3232.	4.3	17
35	Nano zinc elicited biochemical characterization, nutritional assessment, antioxidant enzymes and fatty acid profiling of rapeseed. PLoS ONE, 2020, 15, e0241568.	2.5	15
36	Specifying the role of BAK1â€interacting receptorâ€like kinase 3 in brassinosteroid signaling. Journal of Integrative Plant Biology, 2020, 62, 456-469.	8.5	12

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37	Brassinosteroid-independent functions of the BRI1-associated kinase BAK1/SERK3. Plant Signaling and Behavior, 2008, 3, 116-118.	2.4	11
38	Molecular Effects of Biogenic Zinc Nanoparticles on the Growth and Development of Brassica napus L. Revealed by Proteomics and Transcriptomics. Frontiers in Plant Science, 2022, 13, 798751.	3.6	8
39	Pathogen-Associated Molecular Patterns (PAMP) and PAMP-Triggered Immunity. , 0, , 16-47.		7
40	Signal Perception and Transduction in Plant Innate Immunity. , 2006, , 95-109.		1
41	Microtubule-Associated Kinase-like Protein RUNKEL Needed for Cell Plate Expansion in Arabidopsis Cytokinesis. Current Biology, 2009, 19, 536.	3.9	0
42	Signal Perception and Transduction in Plant Innate Immunity. , 0, , 95-109.		0