

Georg Felix

List of Publications by Year in descending order

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38
papers

14,273
citations

109321

35
h-index

315739

38
g-index

40
all docs

40
docs citations

40
times ranked

9122
citing authors

#	ARTICLE	IF	CITATIONS
1	Perception of <i>Agrobacterium tumefaciens</i> flagellin by FLS2XL confers resistance to crown gall disease. <i>Nature Plants</i> , 2020, 6, 22-27.	9.3	46
2	Anion channel SLAH3 is a regulatory target of chitin receptor-associated kinase PBL27 in microbial stomatal closure. <i>ELife</i> , 2019, 8, .	6.0	48
3	Peptide Feeding and Mechanical Wounding for Tomato Seedlings. <i>Bio-protocol</i> , 2019, 9, e3194.	0.4	2
4	The systemin receptor SYR1 enhances resistance of tomato against herbivorous insects. <i>Nature Plants</i> , 2018, 4, 152-156.	9.3	122
5	The dynamics of root cap sloughing in <i>Arabidopsis</i> is regulated by peptide signalling. <i>Nature Plants</i> , 2018, 4, 596-604.	9.3	62
6	A fungal pathogen secretes plant alkalizing peptides to increase infection. <i>Nature Microbiology</i> , 2016, 1, 16043.	13.3	249
7	Detection of the plant parasite <i>Cuscuta reflexa</i> by a tomato cell surface receptor. <i>Science</i> , 2016, 353, 478-481.	12.6	108
8	The pattern-recognition receptor CORE of Solanaceae detects bacterial cold-shock protein. <i>Nature Plants</i> , 2016, 2, 16185.	9.3	101
9	Immunity: Flagellin seen from all sides. <i>Nature Plants</i> , 2016, 2, 16136.	9.3	31
10	An Overdose of the <i>Arabidopsis</i> Coreceptor BRASSINOSTEROID INSENSITIVE1-ASSOCIATED RECEPTOR KINASE1 or Its Ectodomain Causes Autoimmunity in a SUPPRESSOR OF BIR1-1-Dependent Manner. <i>Plant Physiology</i> , 2015, 168, 1106-1121.	4.8	57
11	The rice immune receptor XA21 recognizes a tyrosine-sulfated protein from a Gram-negative bacterium. <i>Science Advances</i> , 2015, 1, e1500245.	10.3	209
12	Receptor like proteins associate with SOBIR1-type of adaptors to form bimolecular receptor kinases. <i>Current Opinion in Plant Biology</i> , 2014, 21, 104-111.	7.1	128
13	Tools and Strategies to Match Peptide-Ligand Receptor Pairs. <i>Plant Cell</i> , 2014, 26, 1838-1847.	6.6	98
14	Host-induced bacterial cell wall decomposition mediates pattern-triggered immunity in <i>Arabidopsis</i> . <i>ELife</i> , 2014, 3, .	6.0	61
15	A Two-Hybrid-Receptor Assay Demonstrates Heteromer Formation as Switch-On for Plant Immune Receptors. <i>Plant Physiology</i> , 2013, 163, 1504-1509.	4.8	27
16	Allelic variation in two distinct <i>Pseudomonas syringae</i> flagellin epitopes modulates the strength of plant immune responses but not bacterial motility. <i>New Phytologist</i> , 2013, 200, 847-860.	7.3	121
17	The Receptor-Like Protein ReMAX of <i>Arabidopsis</i> Detects the Microbe-Associated Molecular Pattern eMax from <i>Xanthomonas</i> . <i>Plant Cell</i> , 2013, 25, 2330-2340.	6.6	114
18	Perception of the novel MAMP eMax from different <i>Xanthomonas</i> species requires the <i>Arabidopsis</i> receptor-like protein ReMAX and the receptor kinase SOBIR. <i>Plant Signaling and Behavior</i> , 2013, 8, e27408.	2.4	45

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19	Chimeric FLS2 Receptors Reveal the Basis for Differential Flagellin Perception in <i>Arabidopsis</i> and Tomato. <i>Plant Cell</i> , 2012, 24, 2213-2224.	6.6	69
20	Regulation of cell behaviour by plant receptor kinases: Pattern recognition receptors as prototypical models. <i>European Journal of Cell Biology</i> , 2010, 89, 200-207.	3.6	49
21	Rapid Heteromerization and Phosphorylation of Ligand-activated Plant Transmembrane Receptors and Their Associated Kinase BAK1. <i>Journal of Biological Chemistry</i> , 2010, 285, 9444-9451.	3.4	387
22	<i>Arabidopsis thaliana</i> Pattern Recognition Receptors for Bacterial Elongation Factor Tu and Flagellin Can Be Combined to Form Functional Chimeric Receptors. <i>Journal of Biological Chemistry</i> , 2010, 285, 19035-19042.	3.4	85
23	A Renaissance of Elicitors: Perception of Microbe-Associated Molecular Patterns and Danger Signals by Pattern-Recognition Receptors. <i>Annual Review of Plant Biology</i> , 2009, 60, 379-406.	18.7	2,714
24	A flagellin-induced complex of the receptor FLS2 and BAK1 initiates plant defence. <i>Nature</i> , 2007, 448, 497-500.	27.8	1,619
25	Molecular identification and characterization of the tomato flagellin receptor LeFLS2, an orthologue of <i>Arabidopsis</i> FLS2 exhibiting characteristically different perception specificities. <i>Plant Molecular Biology</i> , 2007, 64, 539-547.	3.9	174
26	The <i>Arabidopsis</i> Receptor Kinase FLS2 Binds flg22 and Determines the Specificity of Flagellin Perception. <i>Plant Cell</i> , 2006, 18, 465-476.	6.6	698
27	Perception of the Bacterial PAMP EF-Tu by the Receptor EFR Restricts <i>Agrobacterium</i> -Mediated Transformation. <i>Cell</i> , 2006, 125, 749-760.	28.9	1,658
28	An extract of <i>Penicillium chrysogenum</i> elicits early defense-related responses and induces resistance in <i>Arabidopsis thaliana</i> independently of known signalling pathways. <i>Physiological and Molecular Plant Pathology</i> , 2005, 67, 180-193.	2.5	44
29	The N Terminus of Bacterial Elongation Factor Tu Elicits Innate Immunity in <i>Arabidopsis</i> Plants. <i>Plant Cell</i> , 2004, 16, 3496-3507.	6.6	780
30	Bacterial disease resistance in <i>Arabidopsis</i> through flagellin perception. <i>Nature</i> , 2004, 428, 764-767.	27.8	1,487
31	Molecular Sensing of Bacteria in Plants. <i>Journal of Biological Chemistry</i> , 2003, 278, 6201-6208.	3.4	200
32	Sensitivity of Different Ecotypes and Mutants of <i>Arabidopsis thaliana</i> toward the Bacterial Elicitor Flagellin Correlates with the Presence of Receptor-binding Sites. <i>Journal of Biological Chemistry</i> , 2001, 276, 45669-45676.	3.4	164
33	The Bacterial Elicitor Flagellin Activates Its Receptor in Tomato Cells According to the Addressâ€“Message Concept. <i>Plant Cell</i> , 2000, 12, 1783-1794.	6.6	105
34	A single locus determines sensitivity to bacterial flagellin in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 1999, 18, 277-284.	5.7	603
35	Plants have a sensitive perception system for the most conserved domain of bacterial flagellin. <i>Plant Journal</i> , 1999, 18, 265-276.	5.7	1,376
36	The Plant Wound Hormone Systemin Binds with the N-Terminal Part to Its Receptor but Needs the C-Terminal Part to Activate It. <i>Plant Cell</i> , 1998, 10, 1561-1570.	6.6	124

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37	Systemin induces rapid ion fluxes and ethylene biosynthesis in <i>Lycopersicon peruvianum</i> cells. <i>Plant Journal</i> , 1995, 7, 381-389.	5.7	147
38	Elicitor-Induced Ethylene Biosynthesis in Tomato Cells. <i>Plant Physiology</i> , 1991, 97, 19-25.	4.8	138