

# Gitta Coaker

## List of Publications by Year in descending order

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Version: 2024-02-01

62  
papers

7,599  
citations

81743

39  
h-index

114278

63  
g-index

73  
all docs

73  
docs citations

73  
times ranked

8383  
citing authors

#	ARTICLE	IF	CITATIONS
1	Host-Microbe Interactions: Shaping the Evolution of the Plant Immune Response. <i>Cell</i> , 2006, 124, 803-814.	13.5	2,467
2	Plant-Pathogen Effectors: Cellular Probes Interfering with Plant Defenses in Spatial and Temporal Manners. <i>Annual Review of Phytopathology</i> , 2016, 54, 419-441.	3.5	515
3	Beyond Glycolysis: GAPDHs Are Multi-functional Enzymes Involved in Regulation of ROS, Autophagy, and Plant Immune Responses. <i>PLoS Genetics</i> , 2015, 11, e1005199.	1.5	336
4	A Receptor-like Cytoplasmic Kinase Phosphorylates the Host Target RIN4, Leading to the Activation of a Plant Innate Immune Receptor. <i>Cell Host and Microbe</i> , 2011, 9, 137-146.	5.1	282
5	RIN4 Functions with Plasma Membrane H <sup>+</sup> -ATPases to Regulate Stomatal Apertures during Pathogen Attack. <i>PLoS Biology</i> , 2009, 7, e1000139.	2.6	240
6	Activation of a Phytopathogenic Bacterial Effector Protein by a Eukaryotic Cyclophilin. <i>Science</i> , 2005, 308, 548-550.	6.0	220
7	Stress-induced reactive oxygen species compartmentalization, perception and signalling. <i>Nature Plants</i> , 2021, 7, 403-412.	4.7	191
8	The Plant Pathogen <i>Pseudomonas syringae</i> pv. <i>tomato</i> Is Genetically Monomorphic and under Strong Selection to Evade Tomato Immunity. <i>PLoS Pathogens</i> , 2011, 7, e1002130.	2.1	186
9	The type III effector HopF2 <i>in Pto</i> targets <i>Arabidopsis</i> RIN4 protein to promote <i>Pseudomonas syringae</i> virulence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 2349-2354.	3.3	146
10	The Role of the Plasma Membrane H <sup>+</sup> -ATPase in Plant-Microbe Interactions. <i>Molecular Plant</i> , 2011, 4, 416-427.	3.9	145
11	An effector from the Huanglongbing-associated pathogen targets citrus proteases. <i>Nature Communications</i> , 2018, 9, 1718.	5.8	142
12	Regulation of reactive oxygen species during plant immunity through phosphorylation and ubiquitination of RBOHD. <i>Nature Communications</i> , 2020, 11, 1838.	5.8	140
13	Plant NB-LRR signaling: upstreams and downstreams. <i>Current Opinion in Plant Biology</i> , 2011, 14, 365-371.	3.5	137
14	A Cysteine-Rich Protein Kinase Associates with a Membrane Immune Complex and the Cysteine Residues Are Required for Cell Death. <i>Plant Physiology</i> , 2017, 173, 771-787.	2.3	134
15	Plant NLR-triggered immunity: from receptor activation to downstream signaling. <i>Current Opinion in Immunology</i> , 2020, 62, 99-105.	2.4	124
16	The <i>Pseudomonas syringae</i> Type III Effector AvrRpt2 Promotes Pathogen Virulence via Stimulating <i>Arabidopsis</i> Auxin/Indole Acetic Acid Protein Turnover. <i>Plant Physiology</i> , 2013, 162, 1018-1029.	2.3	113
17	Recognition of bacterial plant pathogens: local, systemic and transgenerational immunity. <i>New Phytologist</i> , 2013, 199, 908-915.	3.5	107
18	Quantitative phosphoproteomic analysis reveals common regulatory mechanisms between effector- and PAMP-triggered immunity in plants. <i>New Phytologist</i> , 2019, 221, 2160-2175.	3.5	102

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19	Quantitative Proteomics Reveals Dynamic Changes in the Plasma Membrane During Arabidopsis Immune Signaling. <i>Molecular and Cellular Proteomics</i> , 2012, 11, M111.014555.	2.5	100
20	The MAP4 Kinase SIK1 Ensures Robust Extracellular ROS Burst and Antibacterial Immunity in Plants. <i>Cell Host and Microbe</i> , 2018, 24, 379-391.e5.	5.1	95
21	Phosphorylation of the Plant Immune Regulator RPM1-INTERACTING PROTEIN4 Enhances Plant Plasma Membrane H <sup>+</sup> -ATPase Activity and Inhibits Flagellin-Triggered Immune Responses in Arabidopsis. <i>Plant Cell</i> , 2015, 27, 2042-2056.	3.1	91
22	The <i>Pseudomonas syringae</i> Effector HopQ1 Promotes Bacterial Virulence and Interacts with Tomato 14-3-3 Proteins in a Phosphorylation-Dependent Manner. <i>Plant Physiology</i> , 2013, 161, 2062-2074.	2.3	86
23	Plant Immune Mechanisms: From Reductionistic to Holistic Points of View. <i>Molecular Plant</i> , 2020, 13, 1358-1378.	3.9	82
24	A Lectin Receptor-Like Kinase Mediates Pattern-Triggered Salicylic Acid Signaling. <i>Plant Physiology</i> , 2017, 174, 2501-2514.	2.3	70
25	Regulated Disorder: Posttranslational Modifications Control the RIN4 Plant Immune Signaling Hub. <i>Molecular Plant-Microbe Interactions</i> , 2019, 32, 56-64.	1.4	68
26	Bacterial AvrRpt2-Like Cysteine Proteases Block Activation of the Arabidopsis Mitogen-Activated Protein Kinases, MPK4 and MPK11. <i>Plant Physiology</i> , 2016, 171, 2223-2238.	2.3	67
27	miRNA863-3p sequentially targets negative immune regulator ARLPKs and positive regulator SERRATE upon bacterial infection. <i>Nature Communications</i> , 2016, 7, 11324.	5.8	66
28	Eukaryotic cyclophilin as a molecular switch for effector activation. <i>Molecular Microbiology</i> , 2006, 61, 1485-1496.	1.2	64
29	Genome-wide analyses of <i>Liberibacter</i> species provides insights into evolution, phylogenetic relationships, and virulence factors. <i>Molecular Plant Pathology</i> , 2020, 21, 716-731.	2.0	62
30	Citrus CsACD2 Is a Target of <i>Candidatus</i> <i>Liberibacter Asiaticus</i> in Huanglongbing Disease. <i>Plant Physiology</i> , 2020, 184, 792-805.	2.3	60
31	PBL13 is a serine/threonine protein kinase that negatively regulates Arabidopsis immune responses.. <i>Plant Physiology</i> , 2015, 169, pp.01391.2015.	2.3	57
32	The <i>Pseudomonas syringae</i> Type III Effector HopF2 Suppresses Arabidopsis Stomatal Immunity. <i>PLoS ONE</i> , 2014, 9, e114921.	1.1	57
33	Genomic Analysis of <i>Clavibacter michiganensis</i> Reveals Insight Into Virulence Strategies and Genetic Diversity of a Gram-Positive Bacterial Pathogen. <i>Molecular Plant-Microbe Interactions</i> , 2017, 30, 786-802.	1.4	56
34	Molecular and Evolutionary Analyses of <i>Pseudomonas syringae</i> pv. <i>tomato</i> Race 1. <i>Molecular Plant-Microbe Interactions</i> , 2010, 23, 415-424.	1.4	51
35	Direct and Indirect Visualization of Bacterial Effector Delivery into Diverse Plant Cell Types during Infection. <i>Plant Cell</i> , 2017, 29, 1555-1570.	3.1	50
36	Proline Isomerization of the Immune Receptor-Interacting Protein RIN4 by a Cyclophilin Inhibits Effector-Triggered Immunity in Arabidopsis. <i>Cell Host and Microbe</i> , 2014, 16, 473-483.	5.1	48

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37	Identification of QTLs controlling resistance to <i>Pseudomonas syringae</i> pv. tomato race 1 strains from the wild tomato, <i>Solanum habrochaites</i> LA1777. <i>Theoretical and Applied Genetics</i> , 2015, 128, 681-692.	1.8	47
38	Two serine residues in <i>Pseudomonas syringae</i> effector HopZ1a are required for acetyltransferase activity and association with the host co-receptor. <i>New Phytologist</i> , 2015, 208, 1157-1168.	3.5	45
39	Bacterial Vector-Borne Plant Diseases: Unanswered Questions and Future Directions. <i>Molecular Plant</i> , 2020, 13, 1379-1393.	3.9	45
40	A Pathogen Secreted Protein as a Detection Marker for Citrus Huanglongbing. <i>Frontiers in Microbiology</i> , 2017, 8, 2041.	1.5	40
41	Bacterial effector targeting of a plant iron sensor facilitates iron acquisition and pathogen colonization. <i>Plant Cell</i> , 2021, 33, 2015-2031.	3.1	40
42	The HopQ1 Effector's Nucleoside Hydrolase-Like Domain Is Required for Bacterial Virulence in Arabidopsis and Tomato, but Not Host Recognition in Tobacco. <i>PLoS ONE</i> , 2013, 8, e59684.	1.1	38
43	The intracellular nucleotide-binding leucine-rich repeat receptor (SINRC4a) enhances immune signalling elicited by extracellular perception. <i>Plant, Cell and Environment</i> , 2018, 41, 2313-2327.	2.8	38
44	The Evolution, Ecology, and Mechanisms of Infection by Gram-Positive, Plant-Associated Bacteria. <i>Annual Review of Phytopathology</i> , 2019, 57, 341-365.	3.5	38
45	Investigating the functions of the RIN4 protein complex during plant innate immune responses. <i>Plant Signaling and Behavior</i> , 2009, 4, 1107-1110.	1.2	36
46	Harnessing Effector-Triggered Immunity for Durable Disease Resistance. <i>Phytopathology</i> , 2017, 107, 912-919.	1.1	26
47	Dissection of Cell Death Induction by Wheat Stem Rust Resistance Protein Sr35 and Its Matching Effector AvrSr35. <i>Molecular Plant-Microbe Interactions</i> , 2020, 33, 308-319.	1.4	25
48	Three previously characterized resistances to yellow rust are encoded by a single locus Wtk1. <i>Journal of Experimental Botany</i> , 2020, 71, 2561-2572.	2.4	23
49	Phosphorylation of the <i>Pseudomonas</i> Effector AvrPtoB by Arabidopsis SnRK2.8 Is Required for Bacterial Virulence. <i>Molecular Plant</i> , 2020, 13, 1513-1522.	3.9	22
50	Citrus Vascular Proteomics Highlights the Role of Peroxidases and Serine Proteases during Huanglongbing Disease Progression. <i>Molecular and Cellular Proteomics</i> , 2020, 19, 1936-1952.	2.5	19
51	Tandem Protein Kinases Emerge as New Regulators of Plant Immunity. <i>Molecular Plant-Microbe Interactions</i> , 2021, 34, 1094-1102.	1.4	17
52	Variation in Streptomycin Resistance Mechanisms in <i>Clavibacter michiganensis</i> . <i>Phytopathology</i> , 2019, 109, 1849-1858.	1.1	16
53	Focus issue on plant immunity: from model systems to crop species. <i>Frontiers in Plant Science</i> , 2015, 6, 195.	1.7	14
54	Comparative Genomics to Develop a Specific Multiplex PCR Assay for Detection of <i>Clavibacter michiganensis</i> . <i>Phytopathology</i> , 2020, 110, 556-566.	1.1	11

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55	Genome Sequences of Two <i>Pseudomonas syringae</i> pv. tomato Race 1 Strains, Isolated from Tomato Fields in California. <i>Genome Announcements</i> , 2016, 4, .	0.8	9
56	NRC proteins - a critical node for pattern and effector mediated signaling. <i>Plant Signaling and Behavior</i> , 2018, 13, 1-4.	1.2	9
57	Genome analysis of <i>Spiroplasma citri</i> strains from different host plants and its leafhopper vectors. <i>BMC Genomics</i> , 2021, 22, 373.	1.2	8
58	Novel Fusarium wilt resistance genes uncovered in natural and cultivated strawberry populations are found on three non-homoeologous chromosomes. <i>Theoretical and Applied Genetics</i> , 2022, 135, 2121-2145.	1.8	8
59	ER Bodies Are Induced by <i>Pseudomonas syringae</i> and Negatively Regulate Immunity. <i>Molecular Plant-Microbe Interactions</i> , 2021, 34, 1001-1009.	1.4	6
60	A Genetic Toolkit for Investigating <i>Clavibacter</i> Species: Markerless Deletion, Permissive Site Identification, and an Integrative Plasmid. <i>Molecular Plant-Microbe Interactions</i> , 2021, 34, 1336-1345.	1.4	6
61	XAP5 CIRCADIAN TIMEKEEPER Affects Both DNA Damage Responses and Immune Signaling in Arabidopsis. <i>Frontiers in Plant Science</i> , 2021, 12, 707923.	1.7	4
62	Pathogen Specialization. <i>Science</i> , 2014, 343, 496-497.	6.0	2