Gitta Coaker

List of Publications by Year
in descending order

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	Novel Fusarium wilt resistance genes uncovered in natural and cultivated strawberry populations are found on three non-homoeologous chromosomes. Theoretical and Applied Genetics, 2022, 135, 2121-2145.	1.8	8
2	Bacterial effector targeting of a plant iron sensor facilitates iron acquisition and pathogen colonization. Plant Cell, 2021, 33, 2015-2031.	3.1	40
3	Stress-induced reactive oxygen species compartmentalization, perception and signalling. Nature Plants, 2021, 7, 403-412.	4.7	191
4	Genome analysis of Spiroplasma citri strains from different host plants and its leafhopper vectors. BMC Genomics, 2021, 22, 373.	1.2	8
5	Tandem Protein Kinases Emerge as New Regulators of Plant Immunity. Molecular Plant-Microbe Interactions, 2021, 34, 1094-1102.	1.4	17
6	ER Bodies Are Induced by <i>Pseudomonas syringae</i> and Negatively Regulate Immunity. Molecular Plant-Microbe Interactions, 2021, 34, 1001-1009.	1.4	6
7	XAP5 CIRCADIAN TIMEKEEPER Affects Both DNA Damage Responses and Immune Signaling in Arabidopsis. Frontiers in Plant Science, 2021, 12, 707923.	1.7	4
8	A Genetic Toolkit for Investigating <i>Clavibacter</i> Species: Markerless Deletion, Permissive Site Identification, and an Integrative Plasmid. Molecular Plant-Microbe Interactions, 2021, 34, 1336-1345.	1.4	6
9	Dissection of Cell Death Induction by Wheat Stem Rust Resistance Protein Sr35 and Its Matching Effector AvrSr35. Molecular Plant-Microbe Interactions, 2020, 33, 308-319.	1.4	25
10	Comparative Genomics to Develop a Specific Multiplex PCR Assay for Detection of <i>Clavibacter michiganensis</i>. Phytopathology, 2020, 110, 556-566.	1.1	11
11	Bacterial Vector-Borne Plant Diseases: Unanswered Questions and Future Directions. Molecular Plant, 2020, 13, 1379-1393.	3.9	45
12	Phosphorylation of the Pseudomonas Effector AvrPtoB by Arabidopsis SnRK2.8 Is Required for Bacterial Virulence. Molecular Plant, 2020, 13, 1513-1522.	3.9	22
13	Plant Immune Mechanisms: From Reductionistic to Holistic Points of View. Molecular Plant, 2020, 13, 1358-1378.	3.9	82
14	Citrus CsACD2 Is a Target of <i>Candidatus</i> Liberibacter Asiaticus in Huanglongbing Disease. Plant Physiology, 2020, 184, 792-805.	2.3	60
15	Citrus Vascular Proteomics Highlights the Role of Peroxidases and Serine Proteases during Huanglongbing Disease Progression. Molecular and Cellular Proteomics, 2020, 19, 1936-1952.	2.5	19
16	Genomeâ€wide analyses of <i>Liberibacter</i> species provides insights into evolution, phylogenetic relationships, and virulence factors. Molecular Plant Pathology, 2020, 21, 716-731.	2.0	62
17	Three previously characterized resistances to yellow rust are encoded by a single locus Wtk1. Journal of Experimental Botany, 2020, 71, 2561-2572.	2.4	23
18	Plant NLR-triggered immunity: from receptor activation to downstream signaling. Current Opinion in Immunology, 2020, 62, 99-105.	2.4	124

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19	Regulation of reactive oxygen species during plant immunity through phosphorylation and ubiquitination of RBOHD. Nature Communications, 2020, 11, 1838.	5.8	140
20	The Evolution, Ecology, and Mechanisms of Infection by Gram-Positive, Plant-Associated Bacteria. Annual Review of Phytopathology, 2019, 57, 341-365.	3.5	38
21	Variation in Streptomycin Resistance Mechanisms in <i>Clavibacter michiganensis</i>. Phytopathology, 2019, 109, 1849-1858.	1.1	16
22	Regulated Disorder: Posttranslational Modifications Control the RIN4 Plant Immune Signaling Hub. Molecular Plant-Microbe Interactions, 2019, 32, 56-64.	1.4	68
23	Quantitative phosphoproteomic analysis reveals common regulatory mechanisms between effectorâ€• and PAMPâ€triggered immunity in plants. New Phytologist, 2019, 221, 2160-2175.	3.5	102
24	An effector from the Huanglongbing-associated pathogen targets citrus proteases. Nature Communications, 2018, 9, 1718.	5.8	142
25	The MAP4 Kinase SIK1 Ensures Robust Extracellular ROS Burst and Antibacterial Immunity in Plants. Cell Host and Microbe, 2018, 24, 379-391.e5.	5.1	95
26	The intracellular nucleotideâ€binding leucineâ€rich repeat receptor (SlNRC4a) enhances immune signalling elicited by extracellular perception. Plant, Cell and Environment, 2018, 41, 2313-2327.	2.8	38
27	NRC proteins - a critical node for pattern and effector mediated signaling. Plant Signaling and Behavior, 2018, 13, 1-4.	1.2	9
28	Harnessing Effector-Triggered Immunity for Durable Disease Resistance. Phytopathology, 2017, 107, 912-919.	1.1	26
29	Direct and Indirect Visualization of Bacterial Effector Delivery into Diverse Plant Cell Types during Infection. Plant Cell, 2017, 29, 1555-1570.	3.1	50
30	A Lectin Receptor-Like Kinase Mediates Pattern-Triggered Salicylic Acid Signaling. Plant Physiology, 2017, 174, 2501-2514.	2.3	70
31	Genomic Analysis of <i>Clavibacter michiganensis</i> Reveals Insight Into Virulence Strategies and Genetic Diversity of a Gram-Positive Bacterial Pathogen. Molecular Plant-Microbe Interactions, 2017, 30, 786-802.	1.4	56
32	A Cysteine-Rich Protein Kinase Associates with a Membrane Immune Complex and the Cysteine Residues Are Required for Cell Death. Plant Physiology, 2017, 173, 771-787.	2.3	134
33	A Pathogen Secreted Protein as a Detection Marker for Citrus Huanglongbing. Frontiers in Microbiology, 2017, 8, 2041.	1.5	40
34	miRNA863-3p sequentially targets negative immune regulator ARLPKs and positive regulator SERRATE upon bacterial infection. Nature Communications, 2016, 7, 11324.	5.8	66
35	Bacterial AvrRpt2-Like Cysteine Proteases Block Activation of the Arabidopsis Mitogen-Activated Protein Kinases, MPK4 and MPK11. Plant Physiology, 2016, 171, 2223-2238.	2.3	67
36	Plant-Pathogen Effectors: Cellular Probes Interfering with Plant Defenses in Spatial and Temporal Manners. Annual Review of Phytopathology, 2016, 54, 419-441.	3.5	515

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37	Genome Sequences of Two Pseudomonas syringae pv. tomato Race 1 Strains, Isolated from Tomato Fields in California. Genome Announcements, 2016, 4, .	0.8	9
38	Two serine residues in <i><scp>P</scp>seudomonas syringae</i> effector HopZ1a are required for acetyltransferase activity and association with the host coâ€factor. New Phytologist, 2015, 208, 1157-1168.	3.5	45
39	Focus issue on plant immunity: from model systems to crop species. Frontiers in Plant Science, 2015, 6, 195.	1.7	14
40	Beyond Glycolysis: GAPDHs Are Multi-functional Enzymes Involved in Regulation of ROS, Autophagy, and Plant Immune Responses. PLoS Genetics, 2015, 11, e1005199.	1.5	336
41	Identification of QTLs controlling resistance to Pseudomonas syringae pv. tomato race 1 strains from the wild tomato, Solanum habrochaites LA1777. Theoretical and Applied Genetics, 2015, 128, 681-692.	1.8	47
42	Phosphorylation of the Plant Immune Regulator RPM1-INTERACTING PROTEIN4 Enhances Plant Plasma Membrane H⁺-ATPase Activity and Inhibits Flagellin-Triggered Immune Responses in Arabidopsis. Plant Cell, 2015, 27, 2042-2056.	3.1	91
43	PBL13 is a serine/threonine protein kinase that negatively regulates Arabidopsis immune responses.. Plant Physiology, 2015, 169, pp.01391.2015.	2.3	57
44	Pathogen Specialization. Science, 2014, 343, 496-497.	6.0	2
45	Proline Isomerization of the Immune Receptor-Interacting Protein RIN4 by a Cyclophilin Inhibits Effector-Triggered Immunity in Arabidopsis. Cell Host and Microbe, 2014, 16, 473-483.	5.1	48
46	The Pseudomonas syringae Type III Effector HopF2 Suppresses Arabidopsis Stomatal Immunity. PLoS ONE, 2014, 9, e114921.	1.1	57
47	Recognition of bacterial plant pathogens: local, systemic and transgenerational immunity. New Phytologist, 2013, 199, 908-915.	3.5	107
48	The <i>Pseudomonas syringae</i> Type III Effector AvrRpt2 Promotes Pathogen Virulence via Stimulating Arabidopsis Auxin/Indole Acetic Acid Protein Turnover Â Â Â. Plant Physiology, 2013, 162, 1018-1029.	2.3	113
49	The <i>Pseudomonas syringae</i> Effector HopQ1 Promotes Bacterial Virulence and Interacts with Tomato 14-3-3 Proteins in a Phosphorylation-Dependent Manner Â Â Â. Plant Physiology, 2013, 161, 2062-2074.	2.3	86
50	The HopQ1 Effectorâ€™s Nucleoside Hydrolase-Like Domain Is Required for Bacterial Virulence in Arabidopsis and Tomato, but Not Host Recognition in Tobacco. PLoS ONE, 2013, 8, e59684.	1.1	38
51	Quantitative Proteomics Reveals Dynamic Changes in the Plasma Membrane During Arabidopsis Immune Signaling. Molecular and Cellular Proteomics, 2012, 11, M111.014555.	2.5	100
52	A Receptor-like Cytoplasmic Kinase Phosphorylates the Host Target RIN4, Leading to the Activation of a Plant Innate Immune Receptor. Cell Host and Microbe, 2011, 9, 137-146.	5.1	282
53	Plant NB-LRR signaling: upstreams and downstreams. Current Opinion in Plant Biology, 2011, 14, 365-371.	3.5	137
54	The Role of the Plasma Membrane H+-ATPase in Plantâ€“Microbe Interactions. Molecular Plant, 2011, 4, 416-427.	3.9	145

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55	The Plant Pathogen Pseudomonas syringae pv. tomato Is Genetically Monomorphic and under Strong Selection to Evade Tomato Immunity. PLoS Pathogens, 2011, 7, e1002130.	2.1	186
56	Molecular and Evolutionary Analyses of <i>Pseudomonas syringae</i> pv. <i>tomato</i> Race 1. Molecular Plant-Microbe Interactions, 2010, 23, 415-424.	1.4	51
57	The type III effector HopF2 <i> _{Pto} </i> targets <i>Arabidopsis</i> RIN4 protein to promote <i>Pseudomonas syringae</i> virulence. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 2349-2354.	3.3	146
58	RIN4 Functions with Plasma Membrane H+-ATPases to Regulate Stomatal Apertures during Pathogen Attack. PLoS Biology, 2009, 7, e1000139.	2.6	240
59	Investigating the functions of the RIN4 protein complex during plant innate immune responses. Plant Signaling and Behavior, 2009, 4, 1107-1110.	1.2	36
60	Host-Microbe Interactions: Shaping the Evolution of the Plant Immune Response. Cell, 2006, 124, 803-814.	13.5	2,467
61	Eukaryotic cyclophilin as a molecular switch for effector activation. Molecular Microbiology, 2006, 61, 1485-1496.	1.2	64
62	Activation of a Phytopathogenic Bacterial Effector Protein by a Eukaryotic Cyclophilin. Science, 2005, 308, 548-550.	6.0	220