Choong-Min Ryu

List of Publications by Year
in descending order

182 papers	16,719 citations	25034 57 h-index	16650 123 g-index
186 all docs	186 docs citations	186 times ranked	13262 citing authors

#	Article	IF	Citations
1	Rhizosphere bacteria help plants tolerate abiotic stress. Trends in Plant Science, 2009, 14, 1-4.	8.8	1,467
2	Bacterial volatiles promote growth in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 4927-4932.	7.1	1,415
3	Induced Systemic Resistance and Promotion of Plant Growth by Bacillus spp.. Phytopathology, 2004, 94, 1259-1266.	2.2	1,341
4	Bacterial Volatiles Induce Systemic Resistance in Arabidopsis. Plant Physiology, 2004, 134, 1017-1026.	4.8	1,165
5	Rhizobacterial volatile emissions regulate auxin homeostasis and cell expansion in Arabidopsis. Planta, 2007, 226, 839-851.	3.2	421
6	Nonhost resistance: how much do we know?. Trends in Plant Science, 2004, 9, 97-104.	8.8	372
7	2R,3R-Butanediol, a Bacterial Volatile Produced by <i>Pseudomonas chlororaphis</i> O6, Is Involved in Induction of Systemic Tolerance to Drought in <i>Arabidopsis thaliana</i>. Molecular Plant-Microbe Interactions, 2008, 21, 1067-1075.	2.6	367
8	GCâ€"MS SPME profiling of rhizobacterial volatiles reveals prospective inducers of growth promotion and induced systemic resistance in plants. Phytochemistry, 2006, 67, 2262-2268.	2.9	349
9	Role of bacterial volatile compounds in bacterial biology. FEMS Microbiology Reviews, 2015, 39, 222-233.	8.6	329
10	Induced Systemic Protection Against Tomato Late Blight Elicited by Plant Growth-Promoting Rhizobacteria. Phytopathology, 2002, 92, 1329-1333.	2.2	262
11	Dynamic Chemical Communication between Plants and Bacteria through Airborne Signals: Induced Resistance by Bacterial Volatiles. Journal of Chemical Ecology, 2013, 39, 1007-1018.	1.8	248
12	Induced Resistance by a Long-Chain Bacterial Volatile: Elicitation of Plant Systemic Defense by a C13 Volatile Produced by Paenibacillus polymyxa. PLoS ONE, 2012, 7, e48744.	2.5	246
13	Plant growth-promoting rhizobacteria systemically protectArabidopsis thalianaagainstCucumber mosaic virusby a salicylic acid and NPR1-independent and jasmonic acid-dependent signaling pathway. Plant Journal, 2004, 39, 381-392.	5.7	242
14	A therapeutic neutralizing antibody targeting receptor binding domain of SARS-CoV-2 spike protein. Nature Communications, 2021, 12, 288.	12.8	224
15	Glycolate Oxidase Modulates Reactive Oxygen Speciesâ€"Mediated Signal Transduction during Nonhost Resistance in <i>Nicotiana benthamiana</i> and <i>Arabidopsis</i> Â. Plant Cell, 2012, 24, 336-352.	6.6	215
16	Agrodrench: a novel and effective agroinoculation method for virus-induced gene silencing in roots and diverse Solanaceous species. Plant Journal, 2004, 40, 322-331.	5.7	214
17	The Multifactorial Basis for Plant Health Promotion by Plant-Associated Bacteria. Applied and Environmental Microbiology, 2011, 77, 1548-1555.	3.1	212
18	Disruption of Firmicutes and Actinobacteria abundance in tomato rhizosphere causes the incidence of bacterial wilt disease. ISME Journal, 2021, 15, 330-347.	9.8	203

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19	Cytokinins and plant immunity: old foes or new friends?. Trends in Plant Science, 2011, 16, 388-394.	8.8	197
20	Endophytic <i>Trichoderma</i> Isolates from Tropical Environments Delay Disease Onset and Induce Resistance Against <i>Phytophthora capsici</i> in Hot Pepper Using Multiple Mechanisms. Molecular Plant-Microbe Interactions, 2011, 24, 336-351.	2.6	188
21	Airborne Induction and Priming of Plant Defenses against a Bacterial Pathogen. Plant Physiology, 2009, 151, 2152-2161.	4.8	186
22	Study of mechanisms for plant growth promotion elicited by rhizobacteria in Arabidopsis thaliana. Plant and Soil, 2005, 268, 285-292.	3.7	185
23	GDSL lipaseâ€like 1 regulates systemic resistance associated with ethylene signaling in Arabidopsis. Plant Journal, 2009, 58, 235-245.	5.7	175
24	Two Volatile Organic Compounds Trigger Plant Self-Defense against a Bacterial Pathogen and a Sucking Insect in Cucumber under Open Field Conditions. International Journal of Molecular Sciences, 2013, 14, 9803-9819.	4.1	173
25	Salicylic Acid and Systemic Acquired Resistance Play a Role in Attenuating Crown Gall Disease Caused by<i>Agrobacterium tumefaciens</i>Â. Plant Physiology, 2008, 146, 323-324.	4.8	163
26	Rhizobacteria-Mediated Growth Promotion of Tomato Leads to Protection Against Cucumber mosaic virus. Phytopathology, 2003, 93, 1301-1307.	2.2	156
27	Different signaling pathways of induced resistance by rhizobacteria in Arabidopsis thaliana against two pathovars of Pseudomonas syringae. New Phytologist, 2003, 160, 413-420.	7.3	148
28	Revisiting bacterial volatile-mediated plant growth promotion: lessons from the past and objectives for the future. Annals of Botany, 2018, 122, 349-358.	2.9	148
29	Phytosterols Play a Key Role in Plant Innate Immunity against Bacterial Pathogens by Regulating Nutrient Efflux into the Apoplast Â Â Â. Plant Physiology, 2012, 158, 1789-1802.	4.8	146
30	Proteome analysis of Arabidopsis seedlings exposed to bacterial volatiles. Planta, 2010, 232, 1355-1370.	3.2	138
31	Whitefly infestation of pepper plants elicits defence responses against bacterial pathogens in leaves and roots and changes the belowâ€ground microflora. Journal of Ecology, 2011, 99, 46-56.	4.0	134
32	Sweet scents from good bacteria: Case studies on bacterial volatile compounds for plant growth and immunity. Plant Molecular Biology, 2016, 90, 677-687.	3.9	133
33	Improvement of biological control capacity of Paenibacillus polymyxa E681 by seed pelleting on sesame. Biological Control, 2006, 39, 282-289.	3.0	129
34	Galactinol Is a Signaling Component of the Induced Systemic Resistance Caused by <i>Pseudomonas chlororaphis</i> O6 Root Colonization. Molecular Plant-Microbe Interactions, 2008, 21, 1643-1653.	2.6	121
35	Elicitors and priming agents initiate plant defense responses. Photosynthesis Research, 2005, 85, 149-159.	2.9	120
36	Foliar aphid feeding recruits rhizosphere bacteria and primes plant immunity against pathogenic and non-pathogenic bacteria in pepper. Annals of Botany, 2012, 110, 281-290.	2.9	116

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37	ISR meets SAR outside: additive action of the endophyte Bacillus pumilus INR7 and the chemical inducer, benzothiadiazole, on induced resistance against bacterial spot in field-grown pepper. Frontiers in Plant Science, 2013, 4, 122.	3.6	115
38	Are Bacterial Volatile Compounds Poisonous Odors to a Fungal Pathogen Botrytis cinerea, Alarm Signals to Arabidopsis Seedlings for Eliciting Induced Resistance, or Both?. Frontiers in Microbiology, 2016, 7, 196.	3.5	109
39	Microbeâ€induced plant volatiles. New Phytologist, 2018, 220, 684-691.	7.3	103
40	Interspecific bacterial sensing through airborne signals modulates locomotion and drug resistance. Nature Communications, 2013, 4, 1809.	12.8	102
41	The Arabidopsis Cysteine-Rich Receptor-Like Kinase CRK36 Regulates Immunity through Interaction with the Cytoplasmic Kinase BIK1. Frontiers in Plant Science, 2017, 8, 1856.	3.6	95
42	Impact of a Bacterial Volatile 2,3-Butanediol on Bacillus subtilis Rhizosphere Robustness. Frontiers in Microbiology, 2016, 7, 993.	3.5	94
43	Genome Sequence of the Polymyxin-Producing Plant-Probiotic Rhizobacterium <i>Paenibacillus polymyxa</i> E681. Journal of Bacteriology, 2010, 192, 6103-6104.	2.2	92
44	Field Evaluation of the Bacterial Volatile Derivative 3-Pentanol in Priming for Induced Resistance in Pepper. Journal of Chemical Ecology, 2014, 40, 882-892.	1.8	89
45	Enhanced performance of the microalga Chlorella sorokiniana remotely induced by the plant growth-promoting bacteria Azospirillum brasilense and Bacillus pumilus. Scientific Reports, 2017, 7, 41310.	3.3	85
46	Stereoisomers of the Bacterial Volatile Compound 2,3-Butanediol Differently Elicit Systemic Defense Responses of Pepper against Multiple Viruses in the Field. Frontiers in Plant Science, 2018, 9, 90.	3.6	83
47	Achieving similar root microbiota composition in neighbouring plants through airborne signalling. ISME Journal, 2021, 15, 397-408.	9.8	83
48	Induced defence in tobacco by Pseudomonas chlororaphis strain O6 involves at least the ethylene pathway. Physiological and Molecular Plant Pathology, 2003, 63, 27-34.	2.5	82
49	Sniffing bacterial volatile compounds for healthier plants. Current Opinion in Plant Biology, 2018, 44, 88-97.	7.1	82
50	Diverse plant extracts and<i>trans</i>-resveratrol inhibit biofilm formation and swarming of<i>Escherichia coli</i>O157:H7. Biofouling, 2013, 29, 1189-1203.	2.2	78
51	Identification and Characterization of Plant Genes Involved in Agrobacterium-Mediated Plant Transformation by Virus-Induced Gene Silencing. Molecular Plant-Microbe Interactions, 2007, 20, 41-52.	2.6	77
52	Enhancement of Plant Drought Tolerance by Microbes. , 2012, , 383-413.		77
53	Aboveground Whitefly Infestation-Mediated Reshaping of the Root Microbiota. Frontiers in Microbiology, 2016, 7, 1314.	3.5	74
54	Chronicle of a Soil Bacterium: Paenibacillus polymyxa E681 as a Tiny Guardian of Plant and Human Health. Frontiers in Microbiology, 2019, 10, 467.	3.5	71

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55	Two bacterial entophytes eliciting both plant growth promotion and plant defense on pepper (Capsicum annuum L.). Journal of Microbiology and Biotechnology, 2007, 17, 96-103.	2.1	70
56	Interference of quorum sensing and virulence of the rice pathogen Burkholderia glumae by an engineered endophytic bacterium. FEMS Microbiology Ecology, 2007, 60, 14-23.	2.7	67
57	Spraying of Leaf-Colonizing <i>Bacillus amyloliquefaciens</i> Protects Pepper from <i>Cucumber mosaic virus</i>. Plant Disease, 2016, 100, 2099-2105.	1.4	63
58	Biological control and plant growth promoting capacity of rhizobacteria on pepper under greenhouse and field conditions. Journal of Microbiology, 2012, 50, 380-385.	2.8	61
59	Against friend and foe: Type 6 effectors in plant-associated bacteria. Journal of Microbiology, 2015, 53, 201-208.	2.8	61
60	Beyond Chemical Triggers: Evidence for Sound-Evoked Physiological Reactions in Plants. Frontiers in Plant Science, 2018, 9, 25.	3.6	61
61	The folate precursor para-aminobenzoic acid elicits induced resistance against Cucumber mosaic virus and Xanthomonas axonopodis. Annals of Botany, 2013, 111, 925-934.	2.9	58
62	Algae as New Kids in the Beneficial Plant Microbiome. Frontiers in Plant Science, 2021, 12, 599742.	3.6	57
63	One shot-two pathogens blocked. Plant Signaling and Behavior, 2013, 8, e24619.	2.4	55
64	Priming of Defense-Related Genes Confers Root-Colonizing Bacilli-Elicited Induced Systemic Resistance in Pepper. Plant Pathology Journal, 2009, 25, 389-399.	1.7	55
65	Deciphering the conserved genetic loci implicated in plant disease control through comparative genomics of Bacillus amyloliquefaciens subsp. plantarum. Frontiers in Plant Science, 2015, 6, 631.	3.6	52
66	Seed defense biopriming with bacterial cyclodipeptides triggers immunity in cucumber and pepper. Scientific Reports, 2017, 7, 14209.	3.3	52
67	Plant growthâ€promoting archaea trigger induced systemic resistance in <scp><i>Arabidopsis thaliana</i></scp> against <i>Pectobacterium carotovorum</i> and <i>Pseudomonas syringae</i>. Environmental Microbiology, 2019, 21, 940-948.	3.8	52
68	Involvement of the OsMKK4-OsMPK1 Cascade and its Downstream Transcription Factor OsWRKY53 in the Wounding Response in Rice. Plant Pathology Journal, 2014, 30, 168-177.	1.7	50
69	Bacterial persistence: Fundamentals and clinical importance. Journal of Microbiology, 2019, 57, 829-835.	2.8	50
70	Inheritance of seed and rhizosphere microbial communities through plantâ€“soil feedback and soil memory. Environmental Microbiology Reports, 2019, 11, 479-486.	2.4	50
71	Genome Sequence of Bacillus amyloliquefaciens GB03, an Active Ingredient of the First Commercial Biological Control Product. Genome Announcements, 2014, 2, .	0.8	49
72	<i>In Vivo</i> Application of Bacteriophage as a Potential Therapeutic Agent To Control OXA-66-Like Carbapenemase-Producing Acinetobacter baumannii Strains Belonging to Sequence Type 357. Applied and Environmental Microbiology, 2016, 82, 4200-4208.	3.1	49

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73	Invisible Signals from the Underground: Bacterial Volatiles Elicit Plant Growth Promotion and Induce Systemic Resistance. Plant Pathology Journal, 2005, 21, 7-12.	1.7	49
74	Foliar application of the leaf-colonizing yeast Pseudozyma churashimaensis elicits systemic defense of pepper against bacterial and viral pathogens. Scientific Reports, 2017, 7, 39432.	3.3	47
75	Root Exudation by Aphid Leaf Infestation Recruits Root-Associated Paenibacillus spp. to Lead Plant Insect Susceptibility. Journal of Microbiology and Biotechnology, 2016, 26, 549-557.	2.1	47
76	Inhibition of Primary Roots and Stimulation of Lateral Root Development in Arabidopsis thaliana by the Rhizobacterium Serratia marcescens 90-166 Is through Both Auxin-Dependent and -Independent Signaling Pathways. Molecules and Cells, 2010, 29, 251-258.	2.6	45
77	A two-strain mixture of rhizobacteria elicits induction of systemic resistance against Pseudomonas syringae and Cucumber mosaic virus coupled to promotion of plant growth on Arabidopsis thaliana. Journal of Microbiology and Biotechnology, 2007, 17, 280-6.	2.1	44
78	Chryseobacterium kwangjuense sp. nov., isolated from pepper (Capsicum annuum L.) root. International Journal of Systematic and Evolutionary Microbiology, 2013, 63, 2835-2840.	1.7	43
79	Social networking in crop plants: Wired and wireless crossâ€plant communications. Plant, Cell and Environment, 2021, 44, 1095-1110.	5.7	42
80	Draft Genome Sequence of the Plant Growth-Promoting Bacterium Bacillus siamensis KCTC 13613 ^T. Journal of Bacteriology, 2012, 194, 4148-4149.	2.2	41
81	Biological and chemical strategies for exploring inter- and intra-kingdom communication mediated via bacterial volatile signals. Nature Protocols, 2017, 12, 1359-1377.	12.0	40
82	Bacterial volatile compound-based tools for crop management and quality. Trends in Plant Science, 2021, 26, 968-983.	8.8	38
83	Bacterial RNAs activate innate immunity in <i>Arabidopsis</i>. New Phytologist, 2016, 209, 785-797.	7.3	37
84	Root-mediated signal transmission of systemic acquired resistance against above-ground and below-ground pathogens. Annals of Botany, 2016, 118, 821-831.	2.9	37
85	Plant Perceptions of Extracellular DNA and RNA. Molecular Plant, 2016, 9, 956-958.	8.3	36
86	Modulation of Quorum Sensing in Acyl-homoserine Lactone-Producing or -Degrading Tobacco Plants Leads to Alteration of Induced Systemic Resistance Elicited by the Rhizobacterium Serratia marcescens 90-166. Plant Pathology Journal, 2013, 29, 182-192.	1.7	36
87	Molecular characterization of a pepper C2 domain-containing SRC2 protein implicated in resistance against host and non-host pathogens and abiotic stresses. Planta, 2008, 227, 1169-1179.	3.2	35
88	Archaea, tiny helpers of land plants. Computational and Structural Biotechnology Journal, 2020, 18, 2494-2500.	4.1	35
89	Functional identification and expression of indole-3-pyruvate decarboxylase from Paenibacillus polymyxa E681. Journal of Microbiology and Biotechnology, 2008, 18, 1235-44.	2.1	35
90	A Virus-Induced Gene Silencing Screen Identifies a Role for Thylakoid Formation1 in Pseudomonas syringae pv tomato Symptom Development in Tomato and Arabidopsis. Plant Physiology, 2009, 152, 281-292.	4.8	34

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91	Crossing the kingdom border: Human diseases caused by plant pathogens. Environmental Microbiology, 2020, 22, 2485-2495.	3.8	34
92	Insight into Types I and II nonhost resistance using expression patterns of defense-related genes in tobacco. Planta, 2006, 223, 1101-1107.	3.2	33
93	Tobacco cultivars vary in induction of systemic resistance against Cucumber mosaic virus and growth promotion by Pseudomonas chlororaphis O6 and its gacS mutant. European Journal of Plant Pathology, 2007, 119, 383-390.	1.7	33
94	Rhizobium soli sp. nov., isolated from soil. International Journal of Systematic and Evolutionary Microbiology, 2010, 60, 1387-1393.	1.7	33
95	Gaseous 3-pentanol primes plant immunity against a bacterial speck pathogen, Pseudomonas syringae pv. tomato via salicylic acid and jasmonic acid-dependent signaling pathways in Arabidopsis. Frontiers in Plant Science, 2015, 6, 821.	3.6	33
96	<i>SGT1</i> contributes to coronatine signaling and <i>Pseudomonas syringae</i> pv. <i>tomato</i> disease symptom development in tomato and Arabidopsis. New Phytologist, 2011, 189, 83-93.	7.3	32
97	Are Circular RNAs New Kids on the Block?. Trends in Plant Science, 2017, 22, 357-360.	8.8	31
98	Elicitation of Induced Resistance against Pectobacterium carotovorum and Pseudomonas syringae by Specific Individual Compounds Derived from Native Korean Plant Species. Molecules, 2013, 18, 12877-12895.	3.8	28
99	Transient Lymphopenia and Interstitial Pneumonia With Endotheliitis in SARS-CoV-2â€"Infected Macaques. Journal of Infectious Diseases, 2020, 222, 1596-1600.	4.0	28
100	Citrinin, a mycotoxin from Penicillium citrinum, plays a role in inducing motility of Paenibacillus polymyxa. FEMS Microbiology Ecology, 2008, 65, 229-237.	2.7	27
101	Polyamine is a critical determinant of <i>Pseudomonas chlororaphis</i> O6 for GacSâ€dependent bacterial cell growth and biocontrol capacity. Molecular Plant Pathology, 2018, 19, 1257-1266.	4.2	27
102	Biogenic Volatile Compounds for Plant Disease Diagnosis and Health Improvement. Plant Pathology Journal, 2018, 34, 459-469.	1.7	27
103	2-Aminobenzoic acid of Bacillus sp. BS107 as an ISR determinant against Pectobacterium carotovorum subsp. carotovotrum SCC1 in tobacco. European Journal of Plant Pathology, 2011, 129, 371-378.	1.7	26
104	A cry for help from leaf to root. Plant Signaling and Behavior, 2011, 6, 1192-1194.	2.4	26
105	Genome Sequence of the Plant Endophyte Bacillus pumilus INR7, Triggering Induced Systemic Resistance in Field Crops. Genome Announcements, 2014, 2, .	0.8	24
106	Aboveground insect infestation attenuates belowground <i>Agrobacteriumâ€«/i>mediated genetic transformation. New Phytologist, 2015, 207, 148-158.	7.3	24
107	Combination therapy with polymyxin B and netropsin against clinical isolates of multidrug-resistant Acinetobacter baumannii. Scientific Reports, 2016, 6, 28168.	3.3	24
108	Molecular Insights into Toluene Sensing in the TodS/TodT Signal Transduction System. Journal of Biological Chemistry, 2016, 291, 8575-8590.	3.4	24

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109	Belowground plantâ€“microbe communications via volatile compounds. Journal of Experimental Botany, 2022, 73, 463-486.	4.8	24
110	Editorial: Smelly Fumes: Volatile-Mediated Communication between Bacteria and Other Organisms. Frontiers in Microbiology, 2016, 7, 2031.	3.5	23
111	C4 Bacterial Volatiles Improve Plant Health. Pathogens, 2021, 10, 682.	2.8	22
112	Novel Metagenome-Derived, Cold-Adapted Alkaline Phospholipase with Superior Lipase Activity as an Intermediate between Phospholipase and Lipase. Applied and Environmental Microbiology, 2012, 78, 4959-4966.	3.1	21
113	Benzothiadiazole-elicited defense priming and systemic acquired resistance against bacterial and viral pathogens of pepper under field conditions. Plant Biotechnology Reports, 2012, 6, 373-380.	1.5	21
114	Beyond the two compartments Petri-dish: optimising growth promotion and induced resistance in cucumber exposed to gaseous bacterial volatiles in a miniature greenhouse system. Plant Methods, 2019, 15, 9.	4.3	20
115	Genome Sequence of the Leaf-Colonizing Bacterium Bacillus sp. Strain 5B6, Isolated from a Cherry Tree. Journal of Bacteriology, 2012, 194, 3758-3759.	2.2	19
116	Anti-Contamination Strategies for Yeast Fermentations. Microorganisms, 2020, 8, 274.	3.6	19
117	A human pathogenic bacterium <i>Shigella</i> proliferates in plants through adoption of type III effectors for shigellosis. Plant, Cell and Environment, 2019, 42, 2962-2978.	5.7	18
118	<scp>d</scp>â€Lactic acid secreted by <i>Chlorella fusca</i> primes patternâ€triggered immunity against <i>Pseudomonas syringae</i> in Arabidopsis. Plant Journal, 2020, 102, 761-778.	5.7	18
119	Comparative microarray analysis of programmed cell death induced by proteasome malfunction and hypersensitive response in plants. Biochemical and Biophysical Research Communications, 2006, 342, 514-521.	2.1	17
120	Understanding cross-communication between aboveground and belowground tissues via transcriptome analysis of a sucking insect whitefly-infested pepper plants. Biochemical and Biophysical Research Communications, 2014, 443, 272-277.	2.1	17
121	Understanding Plant Social Networking System: Avoiding Deleterious Microbiota but Calling Beneficials. International Journal of Molecular Sciences, 2021, 22, 3319.	4.1	16
122	Isolation and Characterization of Transposon-Insertional Mutants from Paenibacillus polymyxa E681 Altering the Biosynthesis of Indole-3-Acetic Acid. Current Microbiology, 2008, 56, 524-530.	2.2	15
123	Virusâ€induced gene silencing database for phenomics and functional genomics in <i>Nicotiana benthamiana</i>. Plant Direct, 2018, 2, e00055.	1.9	15
124	Structural and Physiological Exploration of Salmonella Typhi YfdX Uncovers Its Dual Function in Bacterial Antibiotic Stress and Virulence. Frontiers in Microbiology, 2019, 9, 3329.	3.5	15
125	Genome-wide exploration of Escherichia coli genes to promote Chlorella vulgaris growth. Algal Research, 2019, 38, 101390.	4.6	15
126	Modulation of Quorum Sensing in Acylhomoserine Lactone-Producing or -Degrading Tobacco Plants Leads to Alteration of Induced Systemic Resistance Elicited by the Rhizobacterium Serratia marcescens 90-166. Plant Pathology Journal, 2013, 29, 182-92.	1.7	15

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127	Colonization and Population Changes of a Biocontrol Agent, Paenibacillus polymyxa E681, in Seeds and Roots. Plant Pathology Journal, 2004, 20, 97-102.	1.7	14
128	Sweet smells prepare plants for future stress: Airborne induction of plant disease immunity. Plant Signaling and Behavior, 2010, 5, 528-531.	2.4	13
129	Complete Genome Sequence of Bacillus altitudinis P-10, a Potential Bioprotectant against Xanthomonas oryzae pv. oryzae, Isolated from Rice Rhizosphere in Java, Indonesia. Genome Announcements, 2017, 5, .	0.8	13
130	Transient Expression of Whitefly Effectors in Nicotiana benthamiana Leaves Activates Systemic Immunity Against the Leaf Pathogen Pseudomonas syringae and Soil-Borne Pathogen Ralstonia solanacearum. Frontiers in Ecology and Evolution, 2018, 6, .	2.2	13
131	Using comparative genomics to understand molecular features of carbapenem-resistant Acinetobacter baumannii from South Korea causing invasive infections and their clinical implications. PLoS ONE, 2020, 15, e0229416.	2.5	13
132	Evidence for Volatile Memory in Plants: Boosting Defence Priming through the Recurrent Application of Plant Volatiles. Molecules and Cells, 2018, 41, 724-732.	2.6	13
133	Aboveground Whitefly Infestation Modulates Transcriptional Levels of Anthocyanin Biosynthesis and Jasmonic Acid Signaling-Related Genes and Augments the Cope with Drought Stress of Maize. PLoS ONE, 2015, 10, e0143879.	2.5	12
134	Exploring the sound-modulated delay in tomato ripening through expression analysis of coding and non-coding RNAs. Annals of Botany, 2018, 122, 1231-1244.	2.9	10
135	Sound Vibration-Triggered Epigenetic Modulation Induces Plant Root Immunity Against Ralstonia solanacearum. Frontiers in Microbiology, 2020, 11, 1978.	3.5	10
136	Formulation and Agricultural Application of Bacterial Volatile Compounds. , 2020, , 317-336.		10
137	Augmenting Plant Immune Responses and Biological Control by Microbial Determinants. Research in Plant Disease, 2015, 21, 161-179.	0.8	10
138	Dual functionality of natural mixtures of bacterial volatile compounds on plant growth. Journal of Experimental Botany, 2022, 73, 571-583.	4.8	10
139	Bacterial Volatiles as Airborne Signals for Plants and Bacteria. , 2015, , 53-61.		9
140	Making healthier or killing enemies? Bacterial volatile-elicited plant immunity plays major role upon protection of<i>Arabidopsis</i>than the direct pathogen inhibition. Communicative and Integrative Biology, 2016, 9, e1197445.	1.4	9
141	MARTX Toxin-Stimulated Interplay between Human Cells and Vibrio vulnificus. MSphere, 2020, 5, .	2.9	9
142	Functional Metagenome Mining of Soil for a Novel Gentamicin Resistance Gene. Journal of Microbiology and Biotechnology, 2016, 26, 521-529.	2.1	9
143	Plant Growth-Promoting Rhizobacteria Stimulate Vegetative Growth and Asexual Reproduction of Kalanchoe daigremontiana. Plant Pathology Journal, 2015, 31, 310-315.	1.7	9
144	Host tp53 mutation induces gut dysbiosis eliciting inflammation through disturbed sialic acid metabolism. Microbiome, 2022, 10, 3.	11.1	9

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145	A role for chloroplast-localized<i>Thylakoid formation 1</i>(<i>THF1</i>) in bacterial speck disease development. Plant Signaling and Behavior, 2010, 5, 425-427.	2.4	8
146	Genome Sequence of Rhizobacterium Serratia marcescens Strain 90-166, Which Triggers Induced Systemic Resistance and Plant Growth Promotion. Genome Announcements, 2015, 3, .	0.8	8
147	<i>Pseudomonas syringae</i> evades phagocytosis by animal cells via type III effectorâ€•mediated regulation of actin filament plasticity. Environmental Microbiology, 2018, 20, 3980-3991.	3.8	8
148	Detection of Ampicillin-Resistant E. coli Using Novel Nanoprobe-Combined Fluorescence In Situ Hybridization. Nanomaterials, 2019, 9, 750.	4.1	8
149	Molecular changes associated with spontaneous phenotypic variation of Paenibacillus polymyxa, a commonly used biocontrol agent, and temperature-dependent control of variation. Scientific Reports, 2020, 10, 16586.	3.3	8
150	Potential for Augmentation of Fruit Quality by Foliar Application of Bacilli Spores on Apple Tree. Plant Pathology Journal, 2011, 27, 164-169.	1.7	8
151	Plant anti-aging: Delayed flower and leaf senescence in <i>Erinus alpinus</i> treated with cell-free <i>Chlorella</i> cultivation medium. Plant Signaling and Behavior, 2020, 15, 1763005.	2.4	7
152	Toward Complete Bacterial Genome Sequencing Through the Combined Use of Multiple Next-Generation Sequencing Platforms. Journal of Microbiology and Biotechnology, 2016, 26, 207-212.	2.1	7
153	Bacterial type <scp>III</scp> effectorâ€"induced plant <scp>C8</scp> volatiles elicit antibacterial immunity in heterospecific neighbouring plants via airborne signalling. Plant, Cell and Environment, 2022, 45, 236-247.	5.7	7
154	A novel fluorescent reporter system for monitoring and identifying RNase III activity and its target RNAs. RNA Biology, 2012, 9, 1167-1176.	3.1	6
155	Complete genome sequence of the siphoviral bacteriophage Î’Ï•-R3177, which lyses an OXA-66-producing carbapenem-resistant Acinetobacter baumannii isolate. Archives of Virology, 2015, 160, 3157-3160.	2.1	6
156	Systemic Induction of the Small Antibacterial Compound in the Leaf Exudate During Benzothiadiazole-elicited Systemic Acquired Resistance in Pepper. Plant Pathology Journal, 2013, 29, 350-355.	1.7	6
157	Germinal Center-Induced Immunity Is Correlated With Protection Against SARS-CoV-2 Reinfection But Not Lung Damage. Journal of Infectious Diseases, 2021, 224, 1861-1872.	4.0	6
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159	Insect stings to change gear for healthy plant: Improving maize drought tolerance by whitefly infestation. Plant Signaling and Behavior, 2016, 11, e1179420.	2.4	5
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