

Jinwoo Kim

List of Publications by Year in descending order

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75
papers

1,972
citations

331670

21
h-index

265206

42
g-index

76
all docs

76
docs citations

76
times ranked

1857
citing authors

#	ARTICLE	IF	CITATIONS
1	Quorum sensing and the LysR-type transcriptional activator ToxR regulate toxoflavin biosynthesis and transport in <i>Burkholderia glumae</i> . <i>Molecular Microbiology</i> , 2004, 54, 921-934.	2.5	201
2	Polar growth in the Alphaproteobacterial order Rhizobiales. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 1697-1701.	7.1	195
3	Toxoflavin Produced by <i>Burkholderia glumae</i> Causing Rice Grain Rot Is Responsible for Inducing Bacterial Wilt in Many Field Crops. <i>Plant Disease</i> , 2003, 87, 890-895.	1.4	173
4	Improvement of biological control capacity of <i>Paenibacillus polymyxa</i> E681 by seed pelleting on sesame. <i>Biological Control</i> , 2006, 39, 282-289.	3.0	129
5	Regulation of polar flagellum genes is mediated by quorum sensing and FlhDC in <i>Burkholderia glumae</i> . <i>Molecular Microbiology</i> , 2007, 64, 165-179.	2.5	108
6	Small-molecule inhibitor binding to an <i>N</i> -acyl-homoserine lactone synthase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 12089-12094.	7.1	102
7	Genetic analysis of <i>Agrobacterium tumefaciens</i> unipolar polysaccharide production reveals complex integrated control of the motile-to sessile switch. <i>Molecular Microbiology</i> , 2013, 89, 929-948.	2.5	97
8	Involvement of a Quorum-Sensing-Regulated Lipase Secreted by a Clinical Isolate of <i>Burkholderia glumae</i> in Severe Disease Symptoms in Rice. <i>Applied and Environmental Microbiology</i> , 2007, 73, 4950-4958.	3.1	82
9	Genetic Diversity and Distribution of Korean Isolates of <i>Ralstonia solanacearum</i> . <i>Plant Disease</i> , 2007, 91, 1277-1287.	1.4	73
10	Phosphorus limitation increases attachment in <i>Agrobacterium tumefaciens</i> and reveals a conditional functional redundancy in adhesin biosynthesis. <i>Research in Microbiology</i> , 2012, 163, 674-684.	2.1	65
11	Coordination of Division and Development Influences Complex Multicellular Behavior in <i>Agrobacterium tumefaciens</i> . <i>PLoS ONE</i> , 2013, 8, e56682.	2.5	51
12	Acaricidal and oviposition deterring effects of santalol identified in sandalwood oil against two-spotted spider mite, <i>Tetranychus urticae</i> Koch (Acari: Tetranychidae). <i>Journal of Pest Science</i> , 2011, 84, 495-501.	3.7	47
13	Complete Genome Sequence of <i>Burkholderia gladioli</i> BSR3. <i>Journal of Bacteriology</i> , 2011, 193, 3149-3149.	2.2	47
14	The Quorum Sensing-Dependent Gene <i>katG</i> of <i>Burkholderia glumae</i> Is Important for Protection from Visible Light. <i>Journal of Bacteriology</i> , 2009, 191, 4152-4157.	2.2	46
15	Proteomic analysis of the proteins regulated by HrpB from the plant pathogenic bacterium <i>Burkholderia glumae</i> . <i>Proteomics</i> , 2008, 8, 106-121.	2.2	43
16	Regulation of Universal Stress Protein Genes by Quorum Sensing and RpoS in <i>Burkholderia glumae</i> . <i>Journal of Bacteriology</i> , 2012, 194, 982-992.	2.2	41
17	Quorum Sensing Controls Flagellar Morphogenesis in <i>Burkholderia glumae</i> . <i>PLoS ONE</i> , 2014, 9, e84831.	2.5	30
18	Complete Genome Sequence of the Rice Pathogen <i>Pantoea ananatis</i> Strain PA13. <i>Journal of Bacteriology</i> , 2012, 194, 531-531.	2.2	26

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19	<i>Pectobacterium carotovorum</i> subsp. <i>brasiliense</i> Causing Soft Rot on Paprika in Korea. <i>Journal of Phytopathology</i> , 2013, 161, 125-127.	1.0	24
20	Identification, characterization and regulation of two secreted polygalacturonases of the emerging rice pathogen <i>Burkholderia glumae</i> . <i>FEMS Microbiology Ecology</i> , 2008, 65, 251-262.	2.7	22
21	A novel light-dependent selection marker system in plants. <i>Plant Biotechnology Journal</i> , 2011, 9, 348-358.	8.3	22
22	A simple and sensitive biosensor strain for detecting toxoflavin using β -galactosidase activity. <i>Biosensors and Bioelectronics</i> , 2013, 50, 256-261.	10.1	21
23	Critical role of quorum sensing-dependent glutamate metabolism in homeostatic osmolality and outer membrane vesiculation in <i>Burkholderia glumae</i> . <i>Scientific Reports</i> , 2017, 7, 44195.	3.3	21
24	Inhibition of <i>Salmonella enterica</i> growth by competitive exclusion during early alfalfa sprout development using a seed-dwelling <i>Erwinia persicina</i> strain EUS78. <i>International Journal of Food Microbiology</i> , 2020, 312, 108374.	4.7	21
25	Biochemical Evidence for ToxR and ToxJ Binding to the <i>tox</i> Operons of <i>Burkholderia glumae</i> and Mutational Analysis of ToxR. <i>Journal of Bacteriology</i> , 2009, 191, 4870-4878.	2.2	19
26	Dual-Purpose Inoculants and Their Effects on Corn Silage. <i>Microorganisms</i> , 2020, 8, 765.	3.6	19
27	An HrpB-dependent but type III-independent extracellular aspartic protease is a virulence factor of <i>Ralstonia solanacearum</i> . <i>Molecular Plant Pathology</i> , 2011, 12, 373-380.	4.2	17
28	Anthracnose Caused by <i>Colletotrichum horii</i> on Sweet Persimmon in Korea: Dissemination of Conidia and Disease Development. <i>Journal of Phytopathology</i> , 2013, 161, 497-502.	1.0	17
29	<i>Pantoea ananatis</i> carotenoid production confers toxoflavin tolerance and is regulated by Hfq-controlled quorum sensing. <i>MicrobiologyOpen</i> , 2021, 10, e1143.	3.0	15
30	Colonization and Population Changes of a Biocontrol Agent, <i>Paenibacillus polymyxa</i> E681, in Seeds and Roots. <i>Plant Pathology Journal</i> , 2004, 20, 97-102.	1.7	14
31	Quorum Sensing-Independent Cellulase-Sensitive Pellicle Formation Is Critical for Colonization of <i>Burkholderia glumae</i> in Rice Plants. <i>Frontiers in Microbiology</i> , 2019, 10, 3090.	3.5	13
32	Identification of <i>Lasiodiplodia pseudotheobromae</i> causing mango dieback in Korea. <i>Canadian Journal of Plant Pathology</i> , 2017, 39, 241-245.	1.4	12
33	<i>Pantoea stewartii</i> Causing Stewart's Wilt on <i>Dracaena sanderiana</i> in Korea. <i>Journal of Phytopathology</i> , 2013, 161, 578-581.	1.0	10
34	Identification of <i>Pseudomonas syringae</i> pv. <i>syringae</i> causing bacterial leaf blight of <i>Miscanthus sinensis</i> . <i>Journal of Plant Diseases and Protection</i> , 2017, 124, 97-100.	2.9	10
35	<i>Tetranychus urticae</i> (Acari: Tetranychidae) transmits <i>Acidovorax citrulli</i> , causal agent of bacterial fruit blotch of watermelon. <i>Experimental and Applied Acarology</i> , 2016, 69, 445-451.	1.6	9
36	Dual adhesive unipolar polysaccharides synthesized by overlapping biosynthetic pathways in <i>Agrobacterium tumefaciens</i> . <i>Molecular Microbiology</i> , 2022, 117, 1023-1047.	2.5	9

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37	Aversion center blackening of muskmelon fruit caused by <i>Pseudomonas oryzihabitans</i> , an opportunistic pathogen of humans and warm-blooded animals. <i>International Journal of Food Microbiology</i> , 2019, 291, 1-4.	4.7	8
38	<i>Guignardia bidwellii</i> causes leaf spot on Boston ivy in South Korea. <i>Australasian Plant Disease Notes</i> , 2015, 10, 1.	0.7	7
39	Isolation and Characterization of Avirulent and Virulent Strains of <i>Agrobacterium tumefaciens</i> from Rose Crown Gall in Selected Regions of South Korea. <i>Plants</i> , 2019, 8, 452.	3.5	6
40	Anthraco-nose on postharvest avocado caused by <i>Colletotrichum kahawae</i> subsp. <i>ciggaro</i> in South Korea. <i>Canadian Journal of Plant Pathology</i> , 2020, 42, 508-513.	1.4	6
41	Two Genetically Distinct Groups of <i>Acidovorax citrulli</i> are Present in Watermelon-growing Fields in Korea. <i>Journal of Agriculture & Life Science</i> , 2016, 50, 53-59.	0.2	6
42	Postharvest soft rot on <i>Citrullus vulgaris</i> caused by <i>Rhizopus oryzae</i> in South Korea. <i>Australasian Plant Disease Notes</i> , 2014, 9, 1.	0.7	5
43	Population changes and growth modeling of <i>Salmonella enterica</i> during alfalfa seed germination and early sprout development. <i>Food Science and Biotechnology</i> , 2018, 27, 1865-1869.	2.6	5
44	Simple and economical biosensors for distinguishing <i>Agrobacterium</i> -mediated plant galls from nematode-mediated root knots. <i>Scientific Reports</i> , 2019, 9, 17961.	3.3	5
45	Bacterial shoot blight caused by <i>Pseudomonas cerasi</i> , a new pathogen of pear tree. <i>Australasian Plant Disease Notes</i> , 2020, 15, 1.	0.7	5
46	Effects of Inoculants Producing Antifungal and Carboxylesterase Activities on Corn Silage and Its Shelf Life against Mold Contamination at Feed-Out Phase. <i>Microorganisms</i> , 2021, 9, 558.	3.6	5
47	Anti-quorum sensing and anti-biofilm formation activities of plant extracts from South Korea. <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2018, 8, 411.	1.2	5
48	Soft Rot on <i>Cucumis melo</i> var. <i>makuwa</i> Caused by <i>Rhizopus oryzae</i> . <i>Mycobiology</i> , 2010, 38, 336.	1.7	4
49	Antibacterial properties and major bioactive components of <i>Mentha piperita</i> essential oils against bacterial fruit blotch of watermelon. <i>Archives of Phytopathology and Plant Protection</i> , 2016, 49, 325-334.	1.3	4
50	Identification of <i>Neocosmospora ipomoeae</i> causing tomato stem rot in Korea. <i>Australasian Plant Disease Notes</i> , 2017, 12, 1.	0.7	4
51	Genetic Diversity and Distribution of Korean Isolates of <i>Burkholderia glumae</i> . <i>Plant Disease</i> , 2021, 105, 1398-1407.	1.4	4
52	Bacterial Disease Complex Including Bleached Spot, Soft Rot, and Blight on Onion Seedlings caused by Complex Infections. <i>Plant Disease</i> , 2021, , PDIS03210484RE.	1.4	4
53	Bacterial shoot blight of sweet crab apple caused by <i>Pseudomonas viridiflava</i> . <i>Forest Pathology</i> , 2020, 50, e12603.	1.1	4
54	<i>Rhizopus</i> fruit Rot Caused by <i>Rhizopus oryzae</i> on Strawberry. <i>Journal of Agriculture & Life Science</i> , 2014, 48, 27-34.	0.2	4

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55	First report of <i>Pseudomonas syringae</i> pv. <i>syringae</i> causing bacterial leaf blight on <i>Miscanthus</i> — <i>Agiganteus</i> . <i>Journal of Plant Diseases and Protection</i> , 2016, 123, 137-140.	2.9	3
56	A novel toxoflavin—quenching regulation in bacteria and its application to resistance cultivars. <i>Microbial Biotechnology</i> , 2021, 14, 1657-1670.	4.2	3
57	First report of rust on onion caused by <i>Puccinia allii</i> in Korea. <i>Canadian Journal of Plant Pathology</i> , 2021, 43, S347-S351.	1.4	3
58	Influence of genomic structural variations and nutritional conditions on the emergence of quorum sensing-dependent gene regulation defects in <i>Burkholderia glumae</i> . <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	3
59	Antioxidant activity of water extracts of persimmon flower buds. <i>Food Science and Biotechnology</i> , 2015, 24, 281-286.	2.6	2
60	Grey mould control by oxalate degradation using non-antifungal <i>Pseudomonas abietaniphila</i> strain ODB36. <i>Scientific Reports</i> , 2020, 10, 1605.	3.3	2
61	Asiatic Dayflower Rust Caused by <i>Uromyces commelinae</i> and its Phylogenetic Analysis Using rDNA Internal Transcribed Spacer Region. <i>Journal of Agriculture & Life Science</i> , 2014, 48, 21-29.	0.2	2
62	The occurrence of Sclerotium rot on white clover (<i>Trifolium repens</i> L.) caused by <i>Sclerotium rolfsii</i> in Korea. <i>Australasian Plant Disease Notes</i> , 2013, 8, 89-91.	0.7	1
63	The occurrence of sclerotium rot on <i>Catharanthus roseus</i> caused by <i>Sclerotium rolfsii</i> in South Korea. <i>Australasian Plant Disease Notes</i> , 2014, 9, 1.	0.7	1
64	Outbreak of Rhizopus Rot Caused by <i>Rhizopus oryzae</i> on Seedlings of Grafted Cucumber on Pumpkin Rootstock in South Korea. <i>Journal of Phytopathology</i> , 2015, 163, 670-674.	1.0	1
65	The occurrence of southern blight on <i>Allium hookeri</i> caused by <i>Sclerotium rolfsii</i> in Korea. <i>Canadian Journal of Plant Pathology</i> , 2015, 37, 519-522.	1.4	1
66	The occurrence of leaf blight on <i>Ophiopogon japonicus</i> caused by <i>Phyllosticta ophiopogonis</i> in Korea. <i>Australasian Plant Disease Notes</i> , 2015, 10, 1.	0.7	1
67	Black root rot caused by <i>Thielaviopsis basicola</i> on Korean ginseng seedlings grown for the fresh salad market. <i>Canadian Journal of Plant Pathology</i> , 2016, 38, 258-261.	1.4	1
68	Bacterial blight on <i>Dracaena sanderiana</i> caused by <i>Burkholderia cepacia</i> . <i>Australasian Plant Disease Notes</i> , 2020, 15, 1.	0.7	1
69	First Report of Root Mat Disease in a Hydroponic Tomato Production System Caused by Rhizogenic <i>Agrobacterium Biovar 1</i> in South Korea. <i>Plant Disease</i> , 2021, 105, 1191.	1.4	1
70	Oak Tree Canker Disease Supports Arthropod Diversity in a Natural Ecosystem. <i>Plant Pathology Journal</i> , 2014, 30, 43-50.	1.7	1
71	Orchardgrass ACTIVATOR OF HSP90 ATPASE possesses autonomous chaperone properties and activates Hsp90 transcription to enhance thermotolerance. <i>Biochemical and Biophysical Research Communications</i> , 2022, 586, 171-176.	2.1	1
72	Negatively Regulated Aerobactin and Desferrioxamine E by Fur in <i>Pantoea ananatis</i> Are Required for Full Siderophore Production and Antibacterial Activity, but Not for Virulence. <i>Applied and Environmental Microbiology</i> , 2022, 88, aem0240521.	3.1	1

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73	The occurrence of sclerotium rot on <i>Momordica charantia</i> caused by <i>Sclerotium rolfsii</i> in Korea. Archives of Phytopathology and Plant Protection, 2016, 49, 43-47.	1.3	0
74	<i>Oxalis purpurea</i> sclerotium rot caused by <i>Athelia rolfsii</i> . Australasian Plant Disease Notes, 2018, 13, 1.	0.7	0
75	Bacterial blight on <i>Sansevieria cylindrica</i> caused by <i>Pseudomonas</i> sp.. Australasian Plant Disease Notes, 2021, 16, 1.	0.7	0