

Jin-Cheol Kim

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7541366/publications.pdf>

Version: 2024-02-01

91
papers

2,472
citations

172457

29
h-index

243625

44
g-index

95
all docs

95
docs citations

95
times ranked

2688
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Trends in Studies on Botanical Fungicides in Agriculture. <i>Plant Pathology Journal</i> , 2013, 29, 1-9.	1.7	186
2	Activity against plant pathogenic fungi of phomalactone isolated from <i>Nigrospora sphaerica</i> . <i>Pest Management Science</i> , 2001, 57, 554-559.	3.4	111
3	Diffusible and Volatile Antifungal Compounds Produced by an Antagonistic <i>Bacillus velezensis</i> G341 against Various Phytopathogenic Fungi. <i>Plant Pathology Journal</i> , 2017, 33, 488-498.	1.7	111
4	Some fungal endophytes from vegetable crops and their anti-oomycete activities against tomato late blight. <i>Letters in Applied Microbiology</i> , 2007, 44, 332-337.	2.2	80
5	Effects of chrysophanol, parietin, and nepodin of <i>Rumex crispus</i> on barley and cucumber powdery mildews. <i>Crop Protection</i> , 2004, 23, 1215-1221.	2.1	73
6	Heat shock protein 90 is required for sexual and asexual development, virulence, and heat shock response in <i>Fusarium graminearum</i> . <i>Scientific Reports</i> , 2016, 6, 28154.	3.3	70
7	Production of l- and d-lactic acid from waste <i>Curcuma longa</i> biomass through simultaneous saccharification and cofermentation. <i>Bioresource Technology</i> , 2013, 146, 35-43.	9.6	67
8	Antimicrobial Activities of Novel Mannosyl Lipids Isolated from the Biocontrol Fungus <i>Simplicillium lamellicola</i> BCP against Phytopathogenic Bacteria. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 3363-3370.	5.2	66
9	Nematicidal and Antifungal Activities of Annonaceous Acetogenins from <i>Annona squamosa</i> against Various Plant Pathogens. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 11160-11167.	5.2	65
10	Biological Control of <i>Meloidogyne incognita</i> by <i>Aspergillus niger</i> F22 Producing Oxalic Acid. <i>PLoS ONE</i> , 2016, 11, e0156230.	2.5	62
11	Functional characterization of cytochrome P450 monooxygenases in the cereal head blight fungus <i>Fusarium graminearum</i> . <i>Environmental Microbiology</i> , 2017, 19, 2053-2067.	3.8	59
12	Antibacterial activity of tannins isolated from <i>Sapium baccatum</i> extract and use for control of tomato bacterial wilt. <i>PLoS ONE</i> , 2017, 12, e0181499.	2.5	55
13	Screening extracts of <i>Achyranthes japonica</i> and <i>Rumex crispus</i> for activity against various plant pathogenic fungi and control of powdery mildew. <i>Pest Management Science</i> , 2004, 60, 803-808.	3.4	54
14	Chemosensitization of <i>Fusarium graminearum</i> to Chemical Fungicides Using Cyclic Lipopeptides Produced by <i>Bacillus amyloliquefaciens</i> Strain JCK-12. <i>Frontiers in Plant Science</i> , 2017, 8, 2010.	3.6	49
15	Biological control of tomato bacterial wilt by oxydifficidin and difficidin-producing <i>Bacillus methylotrophicus</i> DR-08. <i>Pesticide Biochemistry and Physiology</i> , 2020, 163, 130-137.	3.6	46
16	Characterization of <i>Bacillus amyloliquefaciens</i> DA12 Showing Potent Antifungal Activity against Mycotoxigenic <i>Fusarium</i> Species. <i>Plant Pathology Journal</i> , 2017, 33, 499-507.	1.7	45
17	Suppression of pine wilt disease by an antibacterial agent, oxolinic acid. <i>Pest Management Science</i> , 2010, 66, 634-639.	3.4	44
18	Potent in Vivo Antifungal Activity against Powdery Mildews of Pregnane Glycosides from the Roots of <i>Cynanchum wilfordii</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 12210-12216.	5.2	42

#	ARTICLE	IF	CITATIONS
19	Characterization and mechanisms of anti-influenza virus metabolites isolated from the Vietnamese medicinal plant <i>Polygonum chinense</i> . <i>BMC Complementary and Alternative Medicine</i> , 2017, 17, 162.	3.7	41
20	Nematicidal activity of grammicin produced by <i>Xylaria grammica</i> KCTC 13121BP against <i>Meloidogyne incognita</i> . <i>Pest Management Science</i> , 2018, 74, 384-391.	3.4	40
21	Nematicidal Activity of Kojic Acid Produced by <i>Aspergillus oryzae</i> against <i>Meloidogyne incognita</i> . <i>Journal of Microbiology and Biotechnology</i> , 2016, 26, 1383-1391.	2.1	39
22	In vitro antibacterial activity of selected medicinal plants traditionally used in Vietnam against human pathogenic bacteria. <i>BMC Complementary and Alternative Medicine</i> , 2015, 16, 32.	3.7	37
23	Nematicidal Activities of 4-Quinolone Alkaloids Isolated from the Aerial Part of <i>Triumfetta grandidens</i> against <i>Meloidogyne incognita</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 68-74.	5.2	36
24	Transcription factor <i>ART1</i> mediates starch hydrolysis and mycotoxin production in <i>Fusarium graminearum</i> and <i>F. verticillioides</i> . <i>Molecular Plant Pathology</i> , 2016, 17, 755-768.	4.2	36
25	Induction of resistance against pine wilt disease caused by <i>Bursaphelenchus xylophilus</i> using selected pine endophytic bacteria. <i>Plant Pathology</i> , 2019, 68, 434-444.	2.4	36
26	Antifungal activity of sterols and dipsacus saponins isolated from <i>Dipsacus asper</i> roots against phytopathogenic fungi. <i>Pesticide Biochemistry and Physiology</i> , 2017, 141, 103-108.	3.6	34
27	MYT3, A Myb-Like Transcription Factor, Affects Fungal Development and Pathogenicity of <i>Fusarium graminearum</i> . <i>PLoS ONE</i> , 2014, 9, e94359.	2.5	33
28	Identification of novel compounds, oleanane- and ursane-type triterpene glycosides, from <i>Trevesia palmata</i> : their biocontrol activity against phytopathogenic fungi. <i>Scientific Reports</i> , 2018, 8, 14522.	3.3	32
29	Nematicidal activity of 5-iodoindole against root-knot nematodes. <i>Pesticide Biochemistry and Physiology</i> , 2020, 163, 76-83.	3.6	32
30	Nematicidal activity of verrucarins A and roridin A isolated from <i>Myrothecium verrucaria</i> against <i>Meloidogyne incognita</i> . <i>Pesticide Biochemistry and Physiology</i> , 2018, 148, 133-143.	3.6	31
31	Biological Control of Tomato Bacterial Wilt, Kimchi Cabbage Soft Rot, and Red Pepper Bacterial Leaf Spot Using <i>Paenibacillus elgii</i> JCK-5075. <i>Frontiers in Plant Science</i> , 2020, 11, 775.	3.6	31
32	Effect of Gallotannins Derived from <i>Sedum takesimensense</i> on Tomato Bacterial Wilt. <i>Plant Disease</i> , 2013, 97, 1593-1598.	1.4	29
33	Alkaloids from <i>Piper nigrum</i> Exhibit Antiinflammatory Activity via Activating the Nrf2/HO1 Pathway. <i>Phytotherapy Research</i> , 2017, 31, 663-670.	5.8	29
34	Production, Characterization, and Antioxidant Activities of an Exopolysaccharide Extracted from Spent Media Wastewater after <i>Leuconostoc mesenteroides</i> WiKim32 Fermentation. <i>ACS Omega</i> , 2021, 6, 8171-8178.	3.5	29
35	Antimicrobial efficacy of extracts and constituents fractionated from <i>Rheum tanguticum</i> Maxim. ex Balf. rhizomes against phytopathogenic fungi and bacteria. <i>Industrial Crops and Products</i> , 2017, 108, 442-450.	5.2	28
36	Effective approach to organic acid production from agricultural kimchi cabbage waste and its potential application. <i>PLoS ONE</i> , 2018, 13, e0207801.	2.5	28

#	ARTICLE	IF	CITATIONS
37	Antifungal activity of polyacetylenes isolated from <i>Cirsium japonicum</i> roots against various phytopathogenic fungi. <i>Industrial Crops and Products</i> , 2011, 34, 882-887.	5.2	27
38	<i>Streptomyces</i> sp. AN090126 as a Biocontrol Agent against Bacterial and Fungal Plant Diseases. <i>Microorganisms</i> , 2022, 10, 791.	3.6	27
39	Nematicidal and insecticidal activities of halogenated indoles. <i>Scientific Reports</i> , 2019, 9, 2010.	3.3	26
40	Control of root-knot nematodes using <i>Waltheria indica</i> producing 4-quinolone alkaloids. <i>Pest Management Science</i> , 2019, 75, 2264-2270.	3.4	24
41	Development of a Biofungicide Using a Mycoparasitic Fungus <i>Simplicillium lamellicola</i> BCP and Its Control Efficacy against Gray Mold Diseases of Tomato and Ginseng. <i>Plant Pathology Journal</i> , 2017, 33, 337-344.	1.7	24
42	Biological Control of Root-Knot Nematodes by Organic Acid-Producing <i>Lactobacillus brevis</i> WIKim0069 Isolated from Kimchi. <i>Plant Pathology Journal</i> , 2019, 35, 662-673.	1.7	24
43	Influence of Resistance-Inducing Chemical Elicitors against Pine Wilt Disease on the Rhizosphere Microbiome. <i>Microorganisms</i> , 2020, 8, 884.	3.6	22
44	<i>Streptomyces</i> sp. JCK-6131 Protects Plants Against Bacterial and Fungal Diseases via Two Mechanisms. <i>Frontiers in Plant Science</i> , 2021, 12, 726266.	3.6	22
45	Pyochelin isolated from <i>Burkholderia arboris</i> KRICT1 carried by pine wood nematodes exhibits phytotoxicity in pine callus. <i>Nematology</i> , 2011, 13, 521-528.	0.6	21
46	A novel transcription factor gene FHS1 is involved in the DNA damage response in <i>Fusarium graminearum</i> . <i>Scientific Reports</i> , 2016, 6, 21572.	3.3	20
47	Antimicrobial activities of an oxygenated cyclohexanone derivative isolated from <i>Amphirosellinia nigrospora</i> JS-1675 against various plant pathogenic bacteria and fungi. <i>Journal of Applied Microbiology</i> , 2019, 126, 894-904.	3.1	20
48	Structure and antifungal activity of pelgipeptins from <i>Paenibacillus elgii</i> against phytopathogenic fungi. <i>Pesticide Biochemistry and Physiology</i> , 2020, 163, 154-163.	3.6	19
49	Antibacterial activities of penicillic acid isolated from <i>Aspergillus persii</i> against various plant pathogenic bacteria. <i>Letters in Applied Microbiology</i> , 2016, 62, 488-493.	2.2	17
50	Control of root-knot nematodes by a mixture of maleic acid and copper sulfate. <i>Applied Soil Ecology</i> , 2019, 141, 61-68.	4.3	17
51	Nematicidal activity of malabaricones isolated from <i>Myristica malabarica</i> fruit rinds against <i>Bursaphelenchus xylophilus</i> . <i>Nematology</i> , 2008, 10, 801-807.	0.6	16
52	A Multifunctional and Possible Skin UV Protectant, (3R)-5-Hydroxymellein, Produced by an Endolichenic Fungus Isolated from <i>Parmotrema austrosinense</i> . <i>Molecules</i> , 2017, 22, 26.	3.8	14
53	Biorefining Process of Carbohydrate Feedstock (Agricultural Onion Waste) to Acetic Acid. <i>ACS Omega</i> , 2019, 4, 22438-22444.	3.5	14
54	Antibacterial Activity of Pharbitin, Isolated from the Seeds of <i>Pharbitis nil</i> , against Various Plant Pathogenic Bacteria. <i>Journal of Microbiology and Biotechnology</i> , 2017, 27, 1763-1772.	2.1	13

#	ARTICLE	IF	CITATIONS
55	Isolation and characterization of a novel metagenomic enzyme capable of degrading bacterial phytotoxin toxoflavin. <i>PLoS ONE</i> , 2018, 13, e0183893.	2.5	12
56	A Diketopiperazine, Cyclo-(L-Pro-L-Ile), Derived From <i>Bacillus thuringiensis</i> JCK-1233 Controls Pine Wilt Disease by Elicitation of Moderate Hypersensitive Reaction. <i>Frontiers in Plant Science</i> , 2020, 11, 1023.	3.6	12
57	Complete genome sequence of <i>Bacillus velezensis</i> G341, a strain with a broad inhibitory spectrum against plant pathogens. <i>Journal of Biotechnology</i> , 2015, 211, 97-98.	3.8	11
58	Comparative Transcriptome Analysis of Pine Trees Treated with Resistance-Inducing Substances against the Nematode <i>Bursaphelenchus xylophilus</i> . <i>Genes</i> , 2020, 11, 1000.	2.4	9
59	Response of Pine Rhizosphere Microbiota to Foliar Treatment with Resistance-Inducing Bacteria against Pine Wilt Disease. <i>Microorganisms</i> , 2021, 9, 688.	3.6	9
60	<i>In Vitro</i> and <i>In Vivo</i> Antibacterial Activity of Serratamid, a Novel Peptide-Polyketide Antibiotic Isolated from <i>Serratia plymuthica</i> C1, against Phytopathogenic Bacteria. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 5471-5480.	5.2	9
61	Optimization of Herbicidin A Production in Submerged Culture of <i>Streptomyces scopuliridis</i> M40. <i>Journal of Microbiology and Biotechnology</i> , 2017, 27, 947-955.	2.1	9
62	Sampling and Selection Factors that Enhance the Diversity of Microbial Collections: Application to Biopesticide Development. <i>Plant Pathology Journal</i> , 2013, 29, 144-153.	1.7	9
63	Identification, Characterization, and Efficacy Evaluation of <i>Bacillus velezensis</i> for Shot-Hole Disease Biocontrol in Flowering Cherry. <i>Plant Pathology Journal</i> , 2022, 38, 115-130.	1.7	9
64	Process development of oxalic acid production in submerged culture of <i>Aspergillus niger</i> F22 and its biocontrol efficacy against the root-knot nematode <i>Meloidogyne incognita</i> . <i>Bioprocess and Biosystems Engineering</i> , 2018, 41, 345-352.	3.4	8
65	Effect of Oxygen Supply on Surfactin Production and Sporulation in Submerged Culture of <i>Bacillus subtilis</i> Y9. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1660.	2.5	8
66	Advanced strategy to produce insecticidal destruxins from lignocellulosic biomass <i>Miscanthus</i> . <i>Biotechnology for Biofuels</i> , 2019, 12, 188.	6.2	8
67	The Hsp90 Inhibitor, Monorden, Is a Promising Lead Compound for the Development of Novel Fungicides. <i>Frontiers in Plant Science</i> , 2020, 11, 371.	3.6	8
68	A Fungus-Inducible Pepper Carboxylesterase Exhibits Antifungal Activity by Decomposing the Outer Layer of Fungal Cell Walls. <i>Molecular Plant-Microbe Interactions</i> , 2018, 31, 505-515.	2.6	7
69	The FgNot3 Subunit of the Ccr4-Not Complex Regulates Vegetative Growth, Sporulation, and Virulence in <i>Fusarium graminearum</i> . <i>PLoS ONE</i> , 2016, 11, e0147481.	2.5	7
70	Characterization of a Soil Metagenome-Derived Gene Encoding Wax Ester Synthase. <i>Journal of Microbiology and Biotechnology</i> , 2016, 26, 248-254.	2.1	7
71	Systemic Acquired Resistance-Mediated Control of Pine Wilt Disease by Foliar Application With Methyl Salicylate. <i>Frontiers in Plant Science</i> , 2021, 12, 812414.	3.6	7
72	Biological Control Efficacy and Action Mechanism of <i>Klebsiella pneumoniae</i> JCK-2201 Producing Meso-2,3-Butanediol Against Tomato Bacterial Wilt. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	7

#	ARTICLE	IF	CITATIONS
73	Draft Genome Sequence of <i>Amphirosellinia nigrospora</i> JS-1675, an Endophytic Fungus from <i>Pteris cretica</i> . <i>Microbiology Resource Announcements</i> , 2019, 8, .	0.6	6
74	Nematicidal Activity of Cyclopiazonic Acid Derived From <i>Penicillium commune</i> Against Root-Knot Nematodes and Optimization of the Culture Fermentation Process. <i>Frontiers in Microbiology</i> , 2021, 12, 726504.	3.5	6
75	Dysbiosis in the Rhizosphere Microbiome of Standing Dead Korean Fir (<i>Abies koreana</i>). <i>Plants</i> , 2022, 11, 990.	3.5	6
76	Occurrence of <i>Meloidogyne incognita</i> Infecting Resistant Cultivars and Development of an Efficient Screening Method for Resistant Tomato to the Mi-virulent -virulent Nematode. <i>Horticultural Science and Technology</i> , 2014, 32, 217-226.	0.6	5
77	First Report of <i>Epicoccum tobaicum</i> Associated with Leaf Spot on Flowering Cherry in South Korea. <i>Plant Disease</i> , 2021, , .	1.4	4
78	Nonviral gene delivery using PAMAM dendrimer conjugated with the nuclear localization signal peptide derived from human papillomavirus type 11 E2 protein. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2021, 32, 1140-1160.	3.5	4
79	Nematicidal Activity of Grammicin Biosynthesis Pathway Intermediates in <i>Xylaria grammica</i> KCTC 13121BP against <i>Meloidogyne incognita</i> . <i>Molecules</i> , 2021, 26, 4675.	3.8	4
80	Exogenous Bio-Based 2,3-Butanediols Enhanced Abiotic Stress Tolerance of Tomato and Turfgrass under Drought or Chilling Stress. <i>Journal of Microbiology and Biotechnology</i> , 2022, 32, 582-593.	2.1	4
81	In vitro and in vivo antimicrobial potential against various phytopathogens and chemical constituents of the aerial part of <i>Rumex chinensis</i> Campd. <i>South African Journal of Botany</i> , 2020, 133, 73-82.	2.5	3
82	Disease Control Efficacy of the Extract of <i>Magnolia officinalis</i> against <i>Perilla</i> and <i>Zoysiagrass</i> Rusts. <i>Research in Plant Disease</i> , 2013, 19, 45-48.	0.8	3
83	Deciphering the Relationship Between Cycloheximides Structures and Their Different Biological Activities. <i>Frontiers in Microbiology</i> , 2021, 12, 644853.	3.5	2
84	First Report of Shot-hole on Flowering Cherry Caused by <i>Burkholderia contaminans</i> and <i>Pseudomonas syringae</i> pv. <i>syringae</i> . <i>Plant Disease</i> , 2021, , PDIS03210547SC.	1.4	2
85	Synthesis and Characterization of Dual-Sensitive PAMAM Derivatives Conjugated with Enzyme Cleavable Peptides as Gene Carriers. <i>Macromolecular Research</i> , 2021, 29, 636-647.	2.4	2
86	Inhibition of Oomycetes by the Mixture of Maleic Acid and Copper Sulfate. <i>Plant Disease</i> , 2022, 106, 960-965.	1.4	2
87	7-Hydroxy-2-octenoic acid-ethyl ester mixture as an UV protectant secondary metabolite of an endolichenic fungus isolated from <i>Menegazzia terebrata</i> . <i>Archives of Microbiology</i> , 2022, 204, .	2.2	2
88	Optimization of <i>Agrobacterium tumefaciens</i> -Mediated Transformation of <i>Xylaria grammica</i> EL000614, an Endolichenic Fungus Producing Grammicin. <i>Mycobiology</i> , 2021, 49, 491-497.	1.7	1
89	Draft Genome Sequence of <i>Aspergillus persii</i> NIBRFGC000004109, Which Has Antibacterial Activity against Plant-Pathogenic Bacteria. <i>Genome Announcements</i> , 2017, 5, .	0.8	0
90	Draft Genome Sequence of <i>Xylaria grammica</i> EL000614, a Strain Producing Grammicin, a Potent Nematicidal Compound. <i>Mycobiology</i> , 2021, 49, 1-3.	1.7	0

#	ARTICLE	IF	CITATIONS
91	First Report of Rust Disease on Fringe Tree by Puccinia sp. and Its Alternative Host. Research in Plant Disease, 2020, 26, 179-182.	0.8	0