

Seon-Woo Lee

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

70
papers

1,826
citations

20
h-index

41
g-index

75
ext. papers

2,247
ext. citations

4.3
avg, IF

4.38
L-index

#	Paper	IF	Citations
70	Rhizosphere microbiome structure alters to enable wilt resistance in tomato. <i>Nature Biotechnology</i> , 2018 ,	44.5	244
69	Chromosomal locus for cadmium resistance in <i>Pseudomonas putida</i> consisting of a cadmium-transporting ATPase and a MerR family response regulator. <i>Applied and Environmental Microbiology</i> , 2001 , 67, 1437-44	4.8	139
68	Screening for novel lipolytic enzymes from uncultured soil microorganisms. <i>Applied Microbiology and Biotechnology</i> , 2004 , 65, 720-6	5.7	128
67	Bacterial community composition and chitinase gene diversity of vermicompost with antifungal activity. <i>Bioresource Technology</i> , 2009 , 100, 4396-403	11	112
66	Characterization of a forest soil metagenome clone that confers indirubin and indigo production on <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , 2005 , 71, 7768-77	4.8	111
65	Evaluation of formulations of <i>Bacillus licheniformis</i> for the biological control of tomato gray mold caused by <i>Botrytis cinerea</i> . <i>Biological Control</i> , 2006 , 37, 329-337	3.8	92
64	Forest soil metagenome gene cluster involved in antifungal activity expression in <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , 2008 , 74, 723-30	4.8	60
63	Genes expressed in <i>Pseudomonas putida</i> during colonization of a plant-pathogenic fungus. <i>Applied and Environmental Microbiology</i> , 2000 , 66, 2764-72	4.8	59
62	Bioprospecting potential of the soil metagenome: novel enzymes and bioactivities. <i>Genomics and Informatics</i> , 2013 , 11, 114-20	1.9	56
61	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	2.7	56
60	Inactivation of chloramphenicol and florfenicol by a novel chloramphenicol hydrolase. <i>Applied and Environmental Microbiology</i> , 2012 , 78, 6295-301	4.8	55
59	A new esterase EstD2 isolated from plant rhizosphere soil metagenome. <i>Applied Microbiology and Biotechnology</i> , 2010 , 88, 1125-34	5.7	49
58	Author Correction: Rhizosphere microbiome structure alters to enable wilt resistance in tomato. <i>Nature Biotechnology</i> , 2018 , 36, 1117	44.5	49
57	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, 803-8	4.6	48
56	Biocontrol potential of a lytic bacteriophage PE204 against bacterial wilt of tomato. <i>Journal of Microbiology and Biotechnology</i> , 2012 , 22, 1613-20	3.3	40
55	Molecular cloning and characterization of the soybean DEAD-box RNA helicase gene induced by low temperature and high salinity stress. <i>Gene</i> , 2009 , 443, 91-9	3.8	31
54	Exploration for the salt stress tolerance genes from a salt-treated halophyte, <i>Suaeda asparagoides</i> . <i>Plant Cell Reports</i> , 2012 , 31, 35-48	5.1	27

53	Induction of the viable but nonculturable state of <i>Ralstonia solanacearum</i> by low temperature in the soil microcosm and its resuscitation by catalase. <i>PLoS ONE</i> , 2014 , 9, e109792	3.7	25
52	Triclosan Resistome from Metagenome Reveals Diverse Enoyl Acyl Carrier Protein Reductases and Selective Enrichment of Triclosan Resistance Genes. <i>Scientific Reports</i> , 2016 , 6, 32322	4.9	23
51	Selection and characterization of forest soil metagenome genes encoding lipolytic enzymes. <i>Journal of Microbiology and Biotechnology</i> , 2007 , 17, 1655-60	3.3	21
50	Characterization of two metagenome-derived esterases that reactivate chloramphenicol by counteracting chloramphenicol acetyltransferase. <i>Journal of Microbiology and Biotechnology</i> , 2011 , 21, 1203-10	3.3	20
49	Biocontrol Activity of <i>Acremonium strictum</i> BCP Against Botrytis Diseases. <i>Plant Pathology Journal</i> , 2009 , 25, 165-171	2.5	19
48	Genetic Determinants for Pyomelanin Production and Its Protective Effect against Oxidative Stress in <i>Ralstonia solanacearum</i> . <i>PLoS ONE</i> , 2016 , 11, e0160845	3.7	19
47	Effect of Gallotannins Derived from <i>Sedum takesimensense</i> on Tomato Bacterial Wilt. <i>Plant Disease</i> , 2013 , 97, 1593-1598	1.5	18
46	In Vivo Antifungal Activities of 57 Plant Extracts Against Six Plant Pathogenic Fungi. <i>Plant Pathology Journal</i> , 2004 , 20, 184-191	2.5	16
45	Disease Responses of Tomato Pure Lines Against <i>Ralstonia solanacearum</i> Strains from Korea and Susceptibility at High Temperature. <i>Research in Plant Disease</i> , 2011 , 17, 326-333	0.4	16
44	Comparative bacterial community analysis in relatively pristine and anthropogenically influenced mangrove ecosystems on the Red Sea. <i>Canadian Journal of Microbiology</i> , 2017 , 63, 649-660	3.2	15
43	In vivo Antifungal Activity Against Various Plant Pathogenic Fungi of Curcuminoids Isolated from the Rhizomes of <i>Curcuma longa</i> . <i>Plant Pathology Journal</i> , 2006 , 22, 94-96	2.5	15
42	MicroTom - A Model Plant System to Study Bacterial Wilt by <i>Ralstonia solanacearum</i> . <i>Plant Pathology Journal</i> , 2007 , 23, 239-244	2.5	15
41	Altered Gene Expression and Intracellular Changes of the Viable But Nonculturable State in <i>Ralstonia solanacearum</i> by Copper Treatment. <i>Plant Pathology Journal</i> , 2013 , 29, 374-85	2.5	15
40	Production of porphyrin intermediates in <i>Escherichia coli</i> carrying soil metagenomic genes. <i>FEMS Microbiology Letters</i> , 2009 , 295, 42-9	2.9	14
39	Prediction of Host-Specific Genes by Pan-Genome Analyses of the Korean Species Complex. <i>Frontiers in Microbiology</i> , 2019 , 10, 506	5.7	13
38	Distribution of triclosan-resistant genes in major pathogenic microorganisms revealed by metagenome and genome-wide analysis. <i>PLoS ONE</i> , 2018 , 13, e0192277	3.7	13
37	Isolation and characterization of a family VII esterase derived from alluvial soil metagenomic library. <i>Journal of Microbiology</i> , 2011 , 49, 178-85	3	13
36	Impact of a Recombinant Biocontrol Bacterium, <i>Pseudomonas fluorescens</i> pc78, on Microbial Community in Tomato Rhizosphere. <i>Plant Pathology Journal</i> , 2016 , 32, 136-44	2.5	13

35	Production of Surfactin and Iturin by <i>Bacillus licheniformis</i> N1 Responsible for Plant Disease Control Activity. <i>Plant Pathology Journal</i> , 2010 , 26, 170-177	2.5	12
34	Isolation and Identification of <i>Burkholderia pyrrocinia</i> CH-67 to Control Tomato Leaf Mold and Damping-off on Crisphead Lettuce and Tomato. <i>Plant Pathology Journal</i> , 2011 , 27, 59-67	2.5	12
33	Characterization of a Chitinase Gene Exhibiting Antifungal Activity from a Biocontrol Bacterium <i>Bacillus licheniformis</i> N1. <i>Plant Pathology Journal</i> , 2009 , 25, 344-351	2.5	10
32	Analysis of Genetic and Pathogenic Diversity of Causing Potato Bacterial Wilt in Korea. <i>Plant Pathology Journal</i> , 2018 , 34, 23-34	2.5	10
31	Soil metagenome-derived 3-hydroxypalmitic acid methyl ester hydrolases suppress extracellular polysaccharide production in <i>Ralstonia solanacearum</i> . <i>Journal of Biotechnology</i> , 2018 , 270, 30-38	3.7	9
30	Culturing Simpler and Bacterial Wilt Suppressive Microbial Communities from Tomato Rhizosphere. <i>Plant Pathology Journal</i> , 2019 , 35, 362-371	2.5	8
29	The <i>Burkholderia pyrrocinia</i> Purple Acid Phosphatase Pap9 Mediates Phosphate Acquisition in Plants 2019 , 62, 342-350		8
28	Draft genome sequence of the antifungal-producing plant-benefiting bacterium <i>Burkholderia pyrrocinia</i> CH-67. <i>Journal of Bacteriology</i> , 2012 , 194, 6649-50	3.5	8
27	Characterization of a Soil Metagenome-Derived Gene Encoding Wax Ester Synthase. <i>Journal of Microbiology and Biotechnology</i> , 2016 , 26, 248-54	3.3	7
26	Identification of a Gene Involved in the Negative Regulation of Pyomelanin Production in <i>Ralstonia solanacearum</i> . <i>Journal of Microbiology and Biotechnology</i> , 2017 , 27, 1692-1700	3.3	7
25	Generation of a Constitutive Green Fluorescent Protein Expression Construct to Mark Biocontrol Bacteria Using P43 Promoter from <i>Bacillus subtilis</i> . <i>Plant Pathology Journal</i> , 2009 , 25, 136-141	2.5	7
24	Loss of glutamate dehydrogenase in <i>Ralstonia solanacearum</i> alters dehydrogenase activity, extracellular polysaccharide production and bacterial virulence. <i>Physiological and Molecular Plant Pathology</i> , 2015 , 90, 57-64	2.6	6
23	Triclosan Resistance in a Bacterial Fish Pathogen, <i>Aeromonas salmonicida</i> subsp. <i>salmonicida</i> , is Mediated by an Enoyl Reductase, FabV. <i>Journal of Microbiology and Biotechnology</i> , 2015 , 25, 511-20	3.3	6
22	Biological Control Activity of Two Isolates of <i>Pseudomonas fluorescens</i> against Rice Sheath Blight. <i>Plant Pathology Journal</i> , 2006 , 22, 289-294	2.5	6
21	Resistance Evaluation of Tomato Germplasm against Bacterial Wilt by <i>Ralstonia solanacearum</i> . <i>Research in Plant Disease</i> , 2014 , 20, 253-258	0.4	6
20	Biochemical and Structural Basis of Triclosan Resistance in a Novel Enoyl-Acyl Carrier Protein Reductase. <i>Antimicrobial Agents and Chemotherapy</i> , 2018 , 62,	5.9	5
19	Development of a Screening System for Plant Defense-Inducing Agent using Transgenic Tobacco Plant with PR-1a Promoter and GUS Gene. <i>Plant Pathology Journal</i> , 2005 , 21, 288-292	2.5	5
18	Spatial and Temporal Distribution of a Biocontrol Bacterium <i>Bacillus licheniformis</i> N1 on the Strawberry Plants. <i>Plant Pathology Journal</i> , 2010 , 26, 238-244	2.5	5

17	Isolation and Characterization of the Colletotrichum acutatum ABC Transporter CaABC1. <i>Plant Pathology Journal</i> , 2014 , 30, 375-83	2.5	5
16	Crystal structure of chloramphenicol-metabolizing enzyme EstDL136 from a metagenome. <i>PLoS ONE</i> , 2019 , 14, e0210298	3.7	4
15	Metagenome, the Untapped Microbial Genome, toward Discovery of Novel Microbial Resources and Application into the Plant Pathology. <i>Plant Pathology Journal</i> , 2005 , 21, 93-98	2.5	3
14	Identification of a Gene Encoding Adenylate Kinase Involved in Antifungal Activity Expression of the Biocontrol Strain Burkholderia pyrrocinia CH-67. <i>Plant Pathology Journal</i> , 2012 , 28, 373-380	2.5	3
13	Dissection of plant microbiota and plant-microbiome interactions. <i>Journal of Microbiology</i> , 2021 , 59, 2813-2913		3
12	Control of Crisphead Lettuce Damping-off and Bottom Rot by Seed Coating with Alginate and Pseudomonas aeruginosa LY-11. <i>Plant Pathology Journal</i> , 2008 , 24, 67-73	2.5	2
11	Contribution of the Gene Encoding Glutamate Racemase in the Motility and Virulence of. <i>Plant Pathology Journal</i> , 2020 , 36, 355-363	2.5	2
10	A triclosan-resistance protein from the soil metagenome is a novel enoyl-acyl carrier protein reductase: Structure-guided functional analysis. <i>FEBS Journal</i> , 2020 , 287, 4710-4728	5.7	1
9	Molecular cloning and characterization of RNA binding protein genes from the wild radish. <i>Genes and Genomics</i> , 2012 , 34, 663-669	2.1	1
8	Improved antibiotic resistance gene cassette for marker exchange mutagenesis in Ralstonia solanacearum and Burkholderia species. <i>Journal of Microbiology</i> , 2011 , 49, 305-8	3	1
7	In Vivo Expression Technology (IVET) and Its Application in Plant-Associated Bacteria. <i>Plant Pathology Journal</i> , 2002 , 18, 57-62	2.5	1
6	Simultaneous Expression of the Protease Inhibitors in a Rice Blast-Resistant Mutant. <i>Plant Pathology Journal</i> , 2005 , 21, 402-405	2.5	1
5	Forest Soil Metagenomics 2013 , 1-6		1
4	Complete Genome Sequence of a Novel Bacteriophage RpY1 Infecting Ralstonia solanacearum Strains. <i>Current Microbiology</i> , 2021 , 78, 2044-2050	2.4	1
3	Biochemical and Structural Insights Concerning Triclosan Resistance in a Novel YXK Type Enoyl-Acyl Carrier Protein Reductase from Soil Metagenome. <i>Scientific Reports</i> , 2019 , 9, 15401	4.9	0
2	Loss-of-function and Gain-of-function Rice Mutants from Gamma-Ray Mutagenesis. <i>Plant Pathology Journal</i> , 2003 , 19, 301-304	2.5	
1	Isolation and Characterization of a Bacteriophage Preying an Antifungal Bacterium. <i>Plant Pathology Journal</i> , 2016 , 32, 584-588	2.5	