

# Seon-Woo Lee

## List of Publications by Year in Descending Order

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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	Complete Genome Sequence of a Novel Bacteriophage RpY1 Infecting <i>Ralstonia solanacearum</i> Strains. <i>Current Microbiology</i> , <b>2021</b> , 78, 2044-2050	2.4	1
69	Dissection of plant microbiota and plant-microbiome interactions. <i>Journal of Microbiology</i> , <b>2021</b> , 59, 2813-2913	2.91	3
68	A triclosan-resistance protein from the soil metagenome is a novel enoyl-acyl carrier protein reductase: Structure-guided functional analysis. <i>FEBS Journal</i> , <b>2020</b> , 287, 4710-4728	5.7	1
67	Contribution of the Gene Encoding Glutamate Racemase in the Motility and Virulence of. <i>Plant Pathology Journal</i> , <b>2020</b> , 36, 355-363	2.5	2
66	Culturing Simpler and Bacterial Wilt Suppressive Microbial Communities from Tomato Rhizosphere. <i>Plant Pathology Journal</i> , <b>2019</b> , 35, 362-371	2.5	8
65	Crystal structure of chloramphenicol-metabolizing enzyme EstDL136 from a metagenome. <i>PLoS ONE</i> , <b>2019</b> , 14, e0210298	3.7	4
64	Prediction of Host-Specific Genes by Pan-Genome Analyses of the Korean Species Complex. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 506	5.7	13
63	The Burkholderia pyrrocinia Purple Acid Phosphatase Pap9 Mediates Phosphate Acquisition in Plants <b>2019</b> , 62, 342-350		8
62	Biochemical and Structural Insights Concerning Triclosan Resistance in a Novel YXK Type Enoyl-Acyl Carrier Protein Reductase from Soil Metagenome. <i>Scientific Reports</i> , <b>2019</b> , 9, 15401	4.9	0
61	Soil metagenome-derived 3-hydroxypalmitic acid methyl ester hydrolases suppress extracellular polysaccharide production in <i>Ralstonia solanacearum</i> . <i>Journal of Biotechnology</i> , <b>2018</b> , 270, 30-38	3.7	9
60	Biochemical and Structural Basis of Triclosan Resistance in a Novel Enoyl-Acyl Carrier Protein Reductase. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2018</b> , 62,	5.9	5
59	Distribution of triclosan-resistant genes in major pathogenic microorganisms revealed by metagenome and genome-wide analysis. <i>PLoS ONE</i> , <b>2018</b> , 13, e0192277	3.7	13
58	Analysis of Genetic and Pathogenic Diversity of Causing Potato Bacterial Wilt in Korea. <i>Plant Pathology Journal</i> , <b>2018</b> , 34, 23-34	2.5	10
57	Author Correction: Rhizosphere microbiome structure alters to enable wilt resistance in tomato. <i>Nature Biotechnology</i> , <b>2018</b> , 36, 1117	44.5	49
56	Rhizosphere microbiome structure alters to enable wilt resistance in tomato. <i>Nature Biotechnology</i> , <b>2018</b> ,	44.5	244
55	Comparative bacterial community analysis in relatively pristine and anthropogenically influenced mangrove ecosystems on the Red Sea. <i>Canadian Journal of Microbiology</i> , <b>2017</b> , 63, 649-660	3.2	15
54	Identification of a Gene Involved in the Negative Regulation of Pyomelanin Production in <i>Ralstonia solanacearum</i> . <i>Journal of Microbiology and Biotechnology</i> , <b>2017</b> , 27, 1692-1700	3.3	7

53	Characterization of a Soil Metagenome-Derived Gene Encoding Wax Ester Synthase. <i>Journal of Microbiology and Biotechnology</i> , <b>2016</b> , 26, 248-54	3.3	7
52	Impact of a Recombinant Biocontrol Bacterium, <i>Pseudomonas fluorescens</i> pc78, on Microbial Community in Tomato Rhizosphere. <i>Plant Pathology Journal</i> , <b>2016</b> , 32, 136-44	2.5	13
51	Isolation and Characterization of a Bacteriophage Preying an Antifungal Bacterium. <i>Plant Pathology Journal</i> , <b>2016</b> , 32, 584-588	2.5	
50	Genetic Determinants for Pyomelanin Production and Its Protective Effect against Oxidative Stress in <i>Ralstonia solanacearum</i> . <i>PLoS ONE</i> , <b>2016</b> , 11, e0160845	3.7	19
49	Triclosan Resistome from Metagenome Reveals Diverse Enoyl Acyl Carrier Protein Reductases and Selective Enrichment of Triclosan Resistance Genes. <i>Scientific Reports</i> , <b>2016</b> , 6, 32322	4.9	23
48	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> , <b>2015</b> , 90, 57-64	2.6	6
47	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> , <b>2015</b> , 25, 511-20	3.3	6
46	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> , <b>2014</b> , 9, e109792	3.7	25
45	Isolation and Characterization of the <i>Colletotrichum acutatum</i> ABC Transporter CaABC1. <i>Plant Pathology Journal</i> , <b>2014</b> , 30, 375-83	2.5	5
44	Resistance Evaluation of Tomato Germplasm against Bacterial Wilt by <i>Ralstonia solanacearum</i> . <i>Research in Plant Disease</i> , <b>2014</b> , 20, 253-258	0.4	6
43	Effect of Gallotannins Derived from <i>Sedum takesimensis</i> on Tomato Bacterial Wilt. <i>Plant Disease</i> , <b>2013</b> , 97, 1593-1598	1.5	18
42	Bioprospecting potential of the soil metagenome: novel enzymes and bioactivities. <i>Genomics and Informatics</i> , <b>2013</b> , 11, 114-20	1.9	56
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> , <b>2013</b> , 29, 374-85	2.5	15
40	Forest Soil Metagenomics <b>2013</b> , 1-6		1
39	Exploration for the salt stress tolerance genes from a salt-treated halophyte, <i>Suaeda asparagoides</i> . <i>Plant Cell Reports</i> , <b>2012</b> , 31, 35-48	5.1	27
38	Molecular cloning and characterization of RNA binding protein genes from the wild radish. <i>Genes and Genomics</i> , <b>2012</b> , 34, 663-669	2.1	1
37	Draft genome sequence of the antifungal-producing plant-benefiting bacterium <i>Burkholderia pyrrocinia</i> CH-67. <i>Journal of Bacteriology</i> , <b>2012</b> , 194, 6649-50	3.5	8
36	Inactivation of chloramphenicol and florfenicol by a novel chloramphenicol hydrolase. <i>Applied and Environmental Microbiology</i> , <b>2012</b> , 78, 6295-301	4.8	55

35	Biocontrol potential of a lytic bacteriophage PE204 against bacterial wilt of tomato. <i>Journal of Microbiology and Biotechnology</i> , <b>2012</b> , 22, 1613-20	3.3	40
34	Identification of a Gene Encoding Adenylate Kinase Involved in Antifungal Activity Expression of the Biocontrol Strain <i>Burkholderia pyrrocinia</i> CH-67. <i>Plant Pathology Journal</i> , <b>2012</b> , 28, 373-380	2.5	3
33	Improved antibiotic resistance gene cassette for marker exchange mutagenesis in <i>Ralstonia solanacearum</i> and <i>Burkholderia</i> species. <i>Journal of Microbiology</i> , <b>2011</b> , 49, 305-8	3	1
32	Isolation and characterization of a family VII esterase derived from alluvial soil metagenomic library. <i>Journal of Microbiology</i> , <b>2011</b> , 49, 178-85	3	13
31	Characterization of two metagenome-derived esterases that reactivate chloramphenicol by counteracting chloramphenicol acetyltransferase. <i>Journal of Microbiology and Biotechnology</i> , <b>2011</b> , 21, 1203-10	3.3	20
30	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> , <b>2011</b> , 27, 59-67	2.5	12
29	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> , <b>2011</b> , 17, 326-333	0.4	16
28	A new esterase EstD2 isolated from plant rhizosphere soil metagenome. <i>Applied Microbiology and Biotechnology</i> , <b>2010</b> , 88, 1125-34	5.7	49
27	Production of Surfactin and Iturin by <i>Bacillus licheniformis</i> N1 Responsible for Plant Disease Control Activity. <i>Plant Pathology Journal</i> , <b>2010</b> , 26, 170-177	2.5	12
26	Spatial and Temporal Distribution of a Biocontrol Bacterium <i>Bacillus licheniformis</i> N1 on the Strawberry Plants. <i>Plant Pathology Journal</i> , <b>2010</b> , 26, 238-244	2.5	5
25	Production of porphyrin intermediates in <i>Escherichia coli</i> carrying soil metagenomic genes. <i>FEMS Microbiology Letters</i> , <b>2009</b> , 295, 42-9	2.9	14
24	Bacterial community composition and chitinase gene diversity of vermicompost with antifungal activity. <i>Bioresource Technology</i> , <b>2009</b> , 100, 4396-403	11	112
23	Molecular cloning and characterization of the soybean DEAD-box RNA helicase gene induced by low temperature and high salinity stress. <i>Gene</i> , <b>2009</b> , 443, 91-9	3.8	31
22	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> , <b>2009</b> , 25, 136-141	2.5	7
21	Biocontrol Activity of <i>Acremonium strictum</i> BCP Against Botrytis Diseases. <i>Plant Pathology Journal</i> , <b>2009</b> , 25, 165-171	2.5	19
20	Characterization of a Chitinase Gene Exhibiting Antifungal Activity from a Biocontrol Bacterium <i>Bacillus licheniformis</i> N1. <i>Plant Pathology Journal</i> , <b>2009</b> , 25, 344-351	2.5	10
19	Forest soil metagenome gene cluster involved in antifungal activity expression in <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , <b>2008</b> , 74, 723-30	4.8	60
18	Control of Crisphead Lettuce Damping-off and Bottom Rot by Seed Coating with Alginate and <i>Pseudomonas aeruginosa</i> LY-11. <i>Plant Pathology Journal</i> , <b>2008</b> , 24, 67-73	2.5	2

17	MicroTom - A Model Plant System to Study Bacterial Wilt by <i>Ralstonia solanacearum</i> . <i>Plant Pathology Journal</i> , <b>2007</b> , 23, 239-244	2.5	15
16	Selection and characterization of forest soil metagenome genes encoding lipolytic enzymes. <i>Journal of Microbiology and Biotechnology</i> , <b>2007</b> , 17, 1655-60	3.3	21
15	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> , <b>2006</b> , 37, 329-337	3.8	92
14	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> , <b>2006</b> , 22, 94-96	2.5	15
13	Biological Control Activity of Two Isolates of <i>Pseudomonas fluorescens</i> against Rice Sheath Blight. <i>Plant Pathology Journal</i> , <b>2006</b> , 22, 289-294	2.5	6
12	Characterization of a forest soil metagenome clone that confers indirubin and indigo production on <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , <b>2005</b> , 71, 7768-77	4.8	111
11	Metagenome, the Untapped Microbial Genome, toward Discovery of Novel Microbial Resources and Application into the Plant Pathology. <i>Plant Pathology Journal</i> , <b>2005</b> , 21, 93-98	2.5	3
10	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> , <b>2005</b> , 21, 288-292	2.5	5
9	Simultaneous Expression of the Protease Inhibitors in a Rice Blast-Resistant Mutant. <i>Plant Pathology Journal</i> , <b>2005</b> , 21, 402-405	2.5	1
8	Effects of chrysophanol, parietin, and nepodin of <i>Rumex crispus</i> on barley and cucumber powdery mildews. <i>Crop Protection</i> , <b>2004</b> , 23, 1215-1221	2.7	56
7	Screening for novel lipolytic enzymes from uncultured soil microorganisms. <i>Applied Microbiology and Biotechnology</i> , <b>2004</b> , 65, 720-6	5.7	128
6	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> , <b>2004</b> , 60, 803-8	4.6	48
5	In Vivo Antifungal Activities of 57 Plant Extracts Against Six Plant Pathogenic Fungi. <i>Plant Pathology Journal</i> , <b>2004</b> , 20, 184-191	2.5	16
4	Loss-of-function and Gain-of-function Rice Mutants from Gamma-Ray Mutagenesis. <i>Plant Pathology Journal</i> , <b>2003</b> , 19, 301-304	2.5	
3	In Vivo Expression Technology (IVET) and Its Application in Plant-Associated Bacteria. <i>Plant Pathology Journal</i> , <b>2002</b> , 18, 57-62	2.5	1
2	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> , <b>2001</b> , 67, 1437-44	4.8	139
1	Genes expressed in <i>Pseudomonas putida</i> during colonization of a plant-pathogenic fungus. <i>Applied and Environmental Microbiology</i> , <b>2000</b> , 66, 2764-72	4.8	59