Jaisoo Kim

List of Publications by Year in descending order

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110 papers	2,738 citations	25 h-index	243296 44 g-index
113	113	113	2802
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cultivation of unculturable soil bacteria. Trends in Biotechnology, 2012, 30, 475-484.	4.9	370
2	Review on pretreatment techniques to improve anaerobic digestion of sewage sludge. Fuel, 2021, 285, 119105.	3.4	182
3	Influence of biochar on physico-chemical and microbial community during swine manure composting process. Journal of Environmental Management, 2019, 232, 592-599.	3.8	102
4	Rhizoremediation of diesel-contaminated soil using the plant growth-promoting rhizobacterium Gordonia sp. S2RP-17. Biodegradation, 2011, 22, 593-601.	1.5	92
5	Development of a novel cultivation technique for uncultured soil bacteria. Scientific Reports, 2019, 9, 6666.	1.6	92
6	New insights into bioremediation strategies for oil-contaminated soil in cold environments. International Biodeterioration and Biodegradation, 2019, 142, 58-72.	1.9	72
7	Degradation of hexane and other recalcitrant hydrocarbons by a novel isolate, Rhodococcus sp. EH831. Environmental Science and Pollution Research, 2010, 17, 64-77.	2.7	56
8	Novosphingobium naphthae sp. nov., from oil-contaminated soil. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 3170-3176.	0.8	50
9	Biofiltration and Inhibitory Interactions of Gaseous Benzene, Toluene, Xylene, and Methyltert-Butyl Ether. Environmental Science & Ether. Ether. Environmental Science & Ether. E	4.6	47
10	Flavobacterium petrolei sp. nov., a novel psychrophilic, diesel-degrading bacterium isolated from oil-contaminated Arctic soil. Scientific Reports, 2019, 9, 4134.	1.6	45
11	Arvibacter flaviflagrans gen. nov., sp. nov., isolated from forest soil. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 4347-4354.	0.8	44
12	Characterization of a diesel-degrading bacterium, Pseudomonas aeruginosa IU5, isolated from oil-contaminated soil in Korea. World Journal of Microbiology and Biotechnology, 2005, 21, 381-384.	1.7	42
13	Simple surface foam application enhances bioremediation of oil-contaminated soil in cold conditions. Journal of Hazardous Materials, 2015, 286, 164-170.	6.5	42
14	Effective Soil Extraction Method for Cultivating Previously Uncultured Soil Bacteria. Applied and Environmental Microbiology, 2018, 84, .	1.4	41
15	Aquabacterium olei sp. nov., an oil-degrading bacterium isolated from oil-contaminated soil. International Journal of Systematic and Evolutionary Microbiology, 2015, 65, 3597-3602.	0.8	37
16	Pedobacter humicola sp. nov., a member of the genus Pedobacter isolated from soil. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 2205-2211.	0.8	36
17	Pinisolibacter ravus gen. nov., sp. nov., isolated from pine forest soil and allocation of the genera Ancalomicrobium and Pinisolibacter to the family Ancalomicrobiaceae fam. nov., and emendation of the genus Ancalomicrobium Staley 1968. International Journal of Systematic and Evolutionary Microbiology, 2018, 68, 1955-1962.	0.8	35
18	Nine novel psychrotolerant species of the genus Pedobacter isolated from Arctic soil with potential antioxidant activities. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 2537-2553.	0.8	35

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19	Chryseobacterium nepalense sp. nov., isolated from oil-contaminated soil. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 646-652.	0.8	31
20	Rhizosphere Microbial Activity During Phytoremediation of Diesel-Contaminated Soil. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2006, 41, 2503-2516.	0.9	30
21	Fluviicola kyonggii sp. nov., a bacterium isolated from forest soil and emended description of the genus Fluviicola. International Journal of Systematic and Evolutionary Microbiology, 2018, 68, 1885-1889.	0.8	30
22	Bacillus thaonhiensis sp. nov., a New Species, was Isolated from the Forest Soil of Kyonggi University by Using a Modified Culture Method. Current Microbiology, 2014, 68, 88-95.	1.0	29
23	Dyadobacter flavus sp. nov. and Dyadobacter terricola sp. nov., two novel members of the family Cytophagaceae isolated from forest soil. Archives of Microbiology, 2018, 200, 1067-1074.	1.0	29
24	Acinetobacter halotolerans sp. nov., a novel halotolerant, alkalitolerant, and hydrocarbon degrading bacterium, isolated from soil. Archives of Microbiology, 2017, 199, 701-710.	1.0	28
25	Rhabdobacter roseus gen. nov., sp. nov., isolated from soil. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 308-314.	0.8	28
26	A simple approach to modeling microbial biomass in the rhizosphere. Ecological Modelling, 2006, 190, 277-286.	1.2	27
27	Chryseobacterium antibioticum sp. nov. with antimicrobial activity against Gram-negative bacteria, isolated from Arctic soil. Journal of Antibiotics, 2021, 74, 115-123.	1.0	27
28	Enhanced isolation and culture of highly efficient psychrophilic oil-degrading bacteria from oil-contaminated soils in South Korea. Journal of Environmental Biology, 2014, 35, 1145-9.	0.2	27
29	Mesorhizobium soli sp. nov., a novel species isolated from the rhizosphere of Robinia pseudoacacia L. in South Korea by using a modified culture method. Antonie Van Leeuwenhoek, 2015, 108, 301-310.	0.7	26
30	Limnobacter humi sp. nov., a thiosulfate-oxidizing, heterotrophic bacterium isolated from humus soil, and emended description of the genus Limnobacter Spring et al. 2001. Journal of Microbiology, 2017, 55, 508-513.	1.3	26
31	Rummeliibacillus suwonensis sp. nov., isolated from soil collected in a mountain area of South Korea. Journal of Microbiology, 2013, 51, 268-272.	1.3	25
32	Rhodococcus pedocola sp. nov. and Rhodococcus humicola sp. nov., two antibiotic-producing actinomycetes isolated from soil. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 2362-2369.	0.8	23
33	Azohydromonas riparia sp. nov. and Azohydromonas ureilytica sp. nov. isolated from a riverside soil in South Korea. Journal of Microbiology, 2017, 55, 330-336.	1.3	22
34	Psychrobacillus soli sp. nov., capable of degrading oil, isolated from oil-contaminated soil. International Journal of Systematic and Evolutionary Microbiology, 2015, 65, 3046-3052.	0.8	22
35	Sphingobium naphthae sp. nov., with the ability to degrade aliphatic hydrocarbons, isolated from oil-contaminated soil. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 2986-2993.	0.8	22
36	A rapid and simple method for identifying bacterial polar lipid components in wet biomass. Journal of Microbiology, 2017, 55, 635-639.	1.3	21

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37	Noviherbaspirillum agri sp. nov., isolated from reclaimed grassland soil, and reclassification of Herbaspirillum massiliense (Lagier et al., 2014) as Noviherbaspirillum massiliense comb. nov International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 1508-1515.	0.8	21
38	Massilia kyonggiensis sp. nov., isolated from forest soil in Korea. Journal of Microbiology, 2014, 52, 378-383.	1.3	20
39	Development of a bacterial consortium comprising oil-degraders and diazotrophic bacteria for elimination of exogenous nitrogen requirement in bioremediation of diesel-contaminated soil. World Journal of Microbiology and Biotechnology, 2019, 35, 99.	1.7	20
40	Altererythrobacter fulvus sp. nov., a novel alkalitolerant alphaproteobacterium isolated from forest soil. International Journal of Systematic and Evolutionary Microbiology, 2018, 68, 1502-1508.	0.8	20
41	Biodegradation of diesel oil and n-alkanes (C ₁₈ , C ₂₀ , and) Tj ETQq1 Environmental Engineering Research, 2020, 25, 290-298.	l 1 0.7843 1.5	314 rgBT /C 20
42	Coconut Mesocarp-Based Lignocellulosic Waste as a Substrate for Cellulase Production from High Promising Multienzyme-Producing Bacillus amyloliquefaciens FW2 without Pretreatments. Microorganisms, 2022, 10, 327.	1.6	20
43	Proposal of three novel species of soil bacteria, Variovorax ureilyticus, Variovorax rhizosphaerae, and Variovorax robiniae, in the family Comamonadaceae. Journal of Microbiology, 2018, 56, 485-492.	1.3	19
44	Rurimicrobium arvi gen. nov., sp. nov., a member of the family Chitinophagaceae isolated from farmland soil. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 5235-5243.	0.8	19
45	Insights into the biodegradation of diesel oil and changes in bacterial communities in diesel-contaminated soil as a consequence of various soil amendments. Chemosphere, 2021, 285, 131416.	4.2	18
46	Sphingomonas olei sp. nov., with the ability to degrade aliphatic hydrocarbons, isolated from oil-contaminated soil. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 2731-2738.	0.8	18
47	Rapid and Specific Detection of <i>Burkholderia glumae</i> in Rice Seed by Real-Time Bio-PCR Using Species-Specific Primers Based on an <i>rhs</i> Family Gene. Plant Disease, 2012, 96, 577-580.	0.7	17
48	Oil-degrading properties of a psychrotolerant bacterial strain, Rhodococcus sp. Y2-2, in liquid and soil media. World Journal of Microbiology and Biotechnology, 2018, 34, 33.	1.7	17
49	Flavobacterium fulvum sp. nov., Flavobacterium pedocola sp. nov. and Flavobacterium humicola sp. nov., three new members of the family Flavobacteriaceae, isolated from soil. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 3108-3118.	0.8	17
50	Flavobacterium olei sp. nov., a novel psychrotolerant bacterium isolated from oil-contaminated soil. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 2211-2218.	0.8	16
51	Massilia agri sp. nov., isolated from reclaimed grassland soil. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 2696-2703.	0.8	16
52	Glaciihabitans arcticus sp. nov., a psychrotolerant bacterium isolated from Arctic soil. International Journal of Systematic and Evolutionary Microbiology, 2019, 69, 2492-2497.	0.8	15
53	Dyadobacter psychrotolerans sp. nov. and Dyadobacter frigoris sp. nov., two novel psychrotolerant members of the family Cytophagaceae isolated from Arctic soil. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 569-575.	0.8	15
54	Isolation of Paenibacillus pinesoli sp. nov. from forest soil in Gyeonggi-Do, Korea. Journal of Microbiology, 2014, 52, 273-277.	1.3	14

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55	Azohydromonas caseinilytica sp. nov., a Nitrogen-Fixing Bacterium Isolated From Forest Soil by Using Optimized Culture Method. Frontiers in Microbiology, 2021, 12, 647132.	1.5	14
56	Description of Novosphingobium flavum sp. nov., isolated from soil. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 3642-3650.	0.8	14
57	Massilia pinisoli sp. nov., isolated from forest soil. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 3669-3674.	0.8	14
58	Ramlibacter monticola sp. nov., isolated from forest soil. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 4468-4474.	0.8	14
59	Flavobacterium sandaracinum sp. nov., Flavobacterium caseinilyticum sp. nov., and Flavobacterium hiemivividum sp. nov., novel psychrophilic bacteria isolated from Arctic soil. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 2269-2280.	0.8	14
60	Zoogloea dura sp. nov., a N2-fixing bacterium isolated from forest soil and emendation of the genus Zoogloea and the species Zoogloea oryzae and Zoogloea ramigera. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 5312-5318.	0.8	14
61	Purification and Characterization of Strong Simultaneous Enzyme Production of Protease and \hat{l}_{\pm} -Amylase from an Extremophile-Bacillus sp. FW2 and Its Possibility in Food Waste Degradation. Fermentation, 2022, 8, 12.	1.4	14
62	Bacillus polymachus sp. nov., with a broad range of antibacterial activity, isolated from forest topsoil samples by using a modified culture method. International Journal of Systematic and Evolutionary Microbiology, 2015, 65, 704-709.	0.8	13
63	Flavobacterium ureilyticum sp. nov., a novel urea hydrolysing bacterium isolated from stream bank soil. Antonie Van Leeuwenhoek, 2018, 111, 2131-2139.	0.7	13
64	Novosphingobium olei sp. nov., with the ability to degrade diesel oil, isolated from oil-contaminated soil and proposal to reclassify Novosphingobium stygium as a later heterotypic synonym of Novosphingobium aromaticivorans. International Journal of Systematic and Evolutionary Microbiology, 2021, 71, .	0.8	13
65	Hymenobacter polaris sp. nov., a psychrotolerant bacterium isolated from an Arctic station. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 4890-4896.	0.8	13
66	Luteolibacter luteus sp. nov., isolated from stream bank soil. Archives of Microbiology, 2021, 203, 377-382.	1.0	12
67	Dyella agri sp. nov., isolated from reclaimed grassland soil. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 4246-4252.	0.8	12
68	Nemorella caseinilytica gen. nov., sp. nov., isolated from forest soil. International Journal of Systematic and Evolutionary Microbiology, 2018, 68, 474-481.	0.8	12
69	Paraburkholderia flava sp. nov., isolated from cool temperate forest soil. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 2509-2514.	0.8	12
70	Niabella thaonhiensis sp. nov., Isolated From the Forest Soil of Kyonggi University in Korea. Current Microbiology, 2014, 69, 176-181.	1.0	11
71	Acidovorax monticola sp. nov., isolated from soil. Antonie Van Leeuwenhoek, 2018, 111, 1925-1934.	0.7	11
72	Chitinophaga caseinilytica sp. nov., a casein hydrolysing bacterium isolated from forest soil. Archives of Microbiology, 2018, 200, 645-651.	1.0	11

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73	Brevundimonas mongoliensis sp. nov., A Novel Psychrotolerant Bacterium Isolated from Oil-Contaminated Soil. Current Microbiology, 2018, 75, 1530-1536.	1.0	11
74	Cold-shock gene cspC in the genome of Massilia polaris sp. nov. revealed cold-adaptation. Antonie Van Leeuwenhoek, 2021, 114, 1275-1284.	0.7	11
75	Pedobacter kyonggii sp. nov., a psychrotolerant bacterium isolated from forest soil. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 5120-5127.	0.8	11
76	Chitinophaga humicola sp. nov., isolated from oil-contaminated soil. International Journal of Systematic and Evolutionary Microbiology, 2018, 68, 751-757.	0.8	11
77	Paenibacillus piri sp. nov., isolated from urban soil. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 656-661.	0.8	11
78	Improvement of Hydrogen Production during Anaerobic Fermentation of Food Waste Leachate by Enriched Bacterial Culture Using Biochar as an Additive. Microorganisms, 2021, 9, 2438.	1.6	11
79	Development of actinobacterial resources for functional cosmetics. Journal of Cosmetic Dermatology, 2017, 16, 243-252.	0.8	10
80	Effect of consortium bioaugmentation and biostimulation on remediation efficiency and bacterial diversity of diesel-contaminated aged soil. World Journal of Microbiology and Biotechnology, 2021, 37, 46.	1.7	10
81	Chitinophaga fulva sp. nov., isolated from forest soil. International Journal of Systematic and Evolutionary Microbiology, 2021, 71, .	0.8	10
82	Description of Variovorax humicola sp. nov., isolated from a forest topsoil. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 2520-2527.	0.8	10
83	Streptomyces bambusae sp. nov., Showing Antifungal and Antibacterial Activities, Isolated from Bamboo (Bambuseae) Rhizosphere Soil Using a Modified Culture Method. Current Microbiology, 2015, 71, 658-668.	1.0	9
84	Characterization of Flavobacterium aquimarinum sp. nov., a halotolerant bacterium isolated from seawater. Journal of Microbiology, 2018, 56, 317-323.	1.3	9
85	Development of Multifunctional Cosmetic Cream Using Bioactive Materials from Streptomyces sp. T65 with Synthesized Mesoporous Silica Particles SBA-15. Antioxidants, 2020, 9, 278.	2.2	9
86	Niabella pedocola sp. nov., isolated from soil. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 2650-2656.	0.8	9
87	Lysobacter olei sp. nov., isolated from oil-contaminated soil. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 4660-4666.	0.8	9
88	Proposal of Nemorincola gen. nov. to replace the illegitimate prokaryotic genus name Nemorella Chaudhary et al. 2018. International Journal of Systematic and Evolutionary Microbiology, 2018, 68, 1319-1320.	0.8	9
89	Caenimonas soli sp. nov., isolated from soil. Archives of Microbiology, 2021, 203, 1123-1129.	1.0	8
90	Chryseobacterium cheonjiense sp. nov., isolated from forest soil. Archives of Microbiology, 2021, 203, 725-731.	1.0	8

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91	Genome insight and description of antibiotic producing Massilia antibiotica sp. nov., isolated from oil-contaminated soil. Scientific Reports, 2021, 11, 6695.	1.6	8
92	Description of antibiotic-producing novel bacteria Paraburkholderia antibiotica sp. nov. and Paraburkholderia polaris sp. nov International Journal of Systematic and Evolutionary Microbiology, 2021, 71, .	0.8	8
93	Ravibacter arvi gen. nov., sp. nov., isolated from farmland soil during development of new culture techniques. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 5252-5260.	0.8	8
94	Bacteriocin from Purple Nonsulfur Phototrophic Bacteria, Rhodobacter capsulatus. Journal of Bacteriology and Virology, 2009, 39, 269.	0.0	7
95	Flavobacterium dasani sp. nov., a psychrotolerant bacterium isolated from Arctic soil. Archives of Microbiology, 2019, 201, 81-86.	1.0	7
96	Description of Actinokineospora acnipugnans sp. nov., an actinomycete isolated from soil, showing potential uses in cosmetics. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 3043-3049.	0.8	7
97	Arthrobacter terricola sp. nov., isolated from forest soil. International Journal of Systematic and Evolutionary Microbiology, 2019, 71, .	0.8	7
98	Sphingomonas montis sp. nov., Isolated from Forest Soil of Low-Altitude Mountain. Current Microbiology, 2018, 75, 1299-1305.	1.0	6
99	Sphingobium aromaticivastans sp. nov., a novel aniline- and benzene-degrading, and antimicrobial compound producing bacterium. Archives of Microbiology, 2019, 201, 155-161.	1.0	6
100	Volatile Fatty Acid Production from Food Waste Leachate Using Enriched Bacterial Culture and Soil Bacteria as Co-Digester. Sustainability, 2021, 13, 9606.	1.6	6
101	Flavobacterium cellulosilyticum sp. nov., a novel psychrophilic bacterium isolated from Arctic soil. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 44-50.	0.8	6
102	Flavobacterium silvisoli sp. nov., isolated from forest soil. International Journal of Systematic and Evolutionary Microbiology, 2019, 69, 2762-2766.	0.8	6
103	Genome mining revealed polyhydroxybutyrate biosynthesis by Ramlibacter agri sp. nov., isolated from agriculture soil in Korea. Antonie Van Leeuwenhoek, 2022, 115, 563-572.	0.7	6
104	Isolation of marine algicidal bacteria from surface seawater and sediment samples associated with harmful algal blooms in Korea. Korean Journal of Microbiology, 2016, 52, 40-48.	0.2	5
105	Calidifontibacter terrae sp. nov., an actinomycete isolated from soil, with potential applications in cosmetics. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 1925-1931.	0.8	5
106	Description of Sphingobium psychrophilum sp. nov., a cold-adapted bacterium isolated from Arctic soil. International Journal of Systematic and Evolutionary Microbiology, 2019, 71, .	0.8	5
107	Lysobacter terrestris sp. nov., isolated from soil. International Journal of Systematic and Evolutionary Microbiology, 2022, 72, .	0.8	5
108	The genome insights of Streptomyces lannensis T1317-0309 reveals actinomycin D production. Journal of Antibiotics, 2020, 73, 837-844.	1.0	3

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109	Experimental Setup for a Diffusion Bioreactor to Isolate Unculturable Soil Bacteria. Bio-protocol, 2019, 9, e3388.	0.2	3
110	Genome Sequence of Hymenobacter polaris RP-2-7 ^T , Isolated from Arctic Soil. Microbiology Resource Announcements, 2021, 10, .	0.3	0