

Hanbyul Lee

List of Publications by Year in descending order

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49
papers

1,072
citations

516561

16
h-index

454834

30
g-index

51
all docs

51
docs citations

51
times ranked

1578
citing authors

#	ARTICLE	IF	CITATIONS
1	Biosurfactant-assisted bioremediation of crude oil by indigenous bacteria isolated from Taean beach sediment. <i>Environmental Pollution</i> , 2018, 241, 254-264.	3.7	128
2	Biotechnological procedures to select white rot fungi for the degradation of PAHs. <i>Journal of Microbiological Methods</i> , 2014, 97, 56-62.	0.7	116
3	Microbial community composition and PAHs removal potential of indigenous bacteria in oil contaminated sediment of Taean coast, Korea. <i>Environmental Pollution</i> , 2018, 234, 503-512.	3.7	111
4	Investigation of Marine-Derived Fungal Diversity and Their Exploitable Biological Activities. <i>Marine Drugs</i> , 2015, 13, 4137-4155.	2.2	77
5	Importance of functional diversity in assessing the recovery of the microbial community after the Hebei Spirit oil spill in Korea. <i>Environment International</i> , 2019, 128, 89-94.	4.8	35
6	Diversity of Wood-Inhabiting Polyporoid and Corticioid Fungi in Odaesan National Park, Korea. <i>Mycobiology</i> , 2016, 44, 217-236.	0.6	34
7	Enhanced removal of PAHs by <i>Peniophora incarnata</i> and ascertainment of its novel ligninolytic enzyme genes. <i>Journal of Environmental Management</i> , 2015, 164, 10-18.	3.8	32
8	Biofilm development of <i>Bacillus siamensis</i> ATKU1 on pristine short chain low-density polyethylene: A case study on microbe-microplastics interaction. <i>Journal of Hazardous Materials</i> , 2021, 409, 124516.	6.5	32
9	An integrative process for obtaining lipids and glucose from <i>Chlorella vulgaris</i> biomass with a single treatment of cell disruption. <i>Algal Research</i> , 2017, 27, 286-294.	2.4	31
10	Bioaccumulation of Polycyclic Aromatic Hydrocarbons (PAHs) by the Marine Clam, <i>Macrura veneriformis</i> , Chronically Exposed to Oil-Suspended Particulate Matter Aggregates. <i>Environmental Science & Technology</i> , 2018, 52, 7910-7920.	4.6	26
11	Heterologous expression of a new manganese-dependent peroxidase gene from <i>Peniophora incarnata</i> KUC8836 and its ability to remove anthracene in <i>Saccharomyces cerevisiae</i> . <i>Journal of Bioscience and Bioengineering</i> , 2016, 122, 716-721.	1.1	21
12	Investigation of Filamentous Fungi Producing Safe, Functional Water-Soluble Pigments. <i>Mycobiology</i> , 2018, 46, 269-277.	0.6	21
13	Fungal Diversity in Intertidal Mudflats and Abandoned Solar Salterns as a Source for Biological Resources. <i>Marine Drugs</i> , 2019, 17, 601.	2.2	20
14	<i>Gemmobacter lutimaris</i> sp. nov., a marine bacterium isolated from a tidal flat. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019, 69, 1676-1681.	0.8	19
15	Desorption and solubilization of anthracene by a rhamnolipid biosurfactant from <i>Rhodococcus fascians</i> . <i>Water Environment Research</i> , 2019, 91, 739-747.	1.3	18
16	Environmental drivers affecting the bacterial community of intertidal sediments in the Yellow Sea. <i>Science of the Total Environment</i> , 2021, 755, 142726.	3.9	18
17	The genus <i>Arthrinium</i> (Ascomycota, Sordariomycetes, Apiosporaceae) from marine habitats from Korea, with eight new species. <i>IMA Fungus</i> , 2021, 12, 13.	1.7	18
18	<i>Echinicola sediminis</i> sp. nov., a marine bacterium isolated from coastal sediment. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 3351-3357.	0.8	17

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19	Isolation and Analysis of the Enzymatic Properties of Thermophilic Fungi from Compost. <i>Mycobiology</i> , 2014, 42, 181-184.	0.6	15
20	Fungal Diversity and Enzyme Activity Associated with the Macroalgae, <i>Agarum clathratum</i> . <i>Mycobiology</i> , 2019, 47, 50-58.	0.6	15
21	A proposed stepwise screening framework for the selection of polycyclic aromatic hydrocarbon (PAH)-degrading white rot fungi. <i>Bioprocess and Biosystems Engineering</i> , 2020, 43, 767-783.	1.7	15
22	Halo-tolerance of Marine-derived Fungi and their Enzymatic Properties. <i>BioResources</i> , 2015, 10, .	0.5	13
23	Comparison of the Diversity of Basidiomycetes from Dead Wood of the Manchurian fir (<i>Abies</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T <i>Microbial Ecology</i> , 2015, 70, 634-645.	1.4	13
24	Optimization of Fungal Enzyme Production by <i>Trichoderma harzianum</i> KUC1716 through Surfactant-Induced Morphological Changes. <i>Mycobiology</i> , 2017, 45, 48-51.	0.6	13
25	<i>Oceanimonas marisflavi</i> sp. nov., a polycyclic aromatic hydrocarbon-degrading marine bacterium. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018, 68, 2990-2995.	0.8	13
26	<i>Blastococcus litoris</i> sp. nov., isolated from sea-tidal flat sediment. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018, 68, 3435-3440.	0.8	13
27	<i>Marinobacter halodurans</i> sp. nov., a halophilic bacterium isolated from sediment of a salt flat. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 6294-6300.	0.8	12
28	Wood Decay Fungi in South Korea: Polypores from Seoul. <i>Mycobiology</i> , 2014, 42, 140-146.	0.6	11
29	Recovery of the benthic bacterial community in coastal abandoned saltern requires over 35 years: A comparative case study in the Yellow Sea. <i>Environment International</i> , 2020, 135, 105412.	4.8	11
30	Successional Variation in the Soil Microbial Community in Odaesan National Park, Korea. <i>Sustainability</i> , 2020, 12, 4795.	1.6	11
31	Miniaturized enzyme production and development of micro-assays for cellulolytic and xylanolytic enzymes. <i>Journal of Microbiological Methods</i> , 2011, 86, 124-127.	0.7	10
32	Phylogenetic analysis of major molds inhabiting woods. Part 4. Genus <i>Alternaria</i> . <i>Holzforschung</i> , 2014, 68, 247-251.	0.9	10
33	Five New Records of Soil-Derived <i>Trichoderma</i> in Korea: <i>T. albulutescens</i> , <i>T. asperelloides</i> , <i>T. orientale</i> , <i>T. spirale</i> , and <i>T. tomentosum</i> . <i>Mycobiology</i> , 2017, 45, 1-8.	0.6	10
34	New Report of Three Unrecorded Species in <i>Trichoderma harzianum</i> Species Complex in Korea. <i>Mycobiology</i> , 2018, 46, 177-184.	0.6	10
35	Diversity of <i>Trichoderma</i> spp. in Marine Environments and Their Biological Potential for Sustainable Industrial Applications. <i>Sustainability</i> , 2020, 12, 4327.	1.6	10
36	<i>Novosphingobium aureum</i> sp. nov., a marine bacterium isolated from salt flat sediment. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2021, 71, .	0.8	10

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37	<i>Zobellella maritima</i> sp. nov., a polycyclic aromatic hydrocarbon-degrading bacterium, isolated from beach sediment. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018, 68, 2279-2284.	0.8	10
38	Multiple evaluation of the potential toxic effects of sediments and biota collected from an oil-polluted area around Abu Ali Island, Saudi Arabia, Arabian Gulf. <i>Ecotoxicology and Environmental Safety</i> , 2019, 183, 109547.	2.9	9
39	<i>Nocardioides litoris</i> sp. nov., isolated from the Taean seashore. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 2332-2336.	0.8	9
40	Screening for xylanase and β -xylosidase production from wood-inhabiting <i>Penicillium</i> strains for potential use in biotechnological applications. <i>Holzforschung</i> , 2012, 66, 267-271.	0.9	8
41	Comparative evaluation of bioremediation techniques on oil contaminated sediments in long-term recovery of benthic community health. <i>Environmental Pollution</i> , 2019, 252, 137-145.	3.7	8
42	<i>Maribacter litoralis</i> sp. nov. a marine bacterium isolated from seashore. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018, 68, 3471-3478.	0.8	8
43	Two Unrecorded <i>Apiospora</i> Species Isolated from Marine Substrates in Korea with Eight New Combinations (<i>A. piptatheri</i> and <i>A. rasikravindrae</i>). <i>Mycobiology</i> , 2022, 50, 46-54.	0.6	6
44	Influence of Tree Vegetation on Soil Microbial Communities in Temperate Forests and Their Potential as a Proactive Indicator of Vegetation Shift Due to Climate Change. <i>Sustainability</i> , 2020, 12, 10591.	1.6	5
45	<i>Serinicoccus sediminis</i> sp. nov., isolated from tidal flat sediment. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019, 69, 1998-2003.	0.8	5
46	Phylogenetic analysis of wood-inhabiting molds and assessment of soft-rot wood deterioration. Part 5. Genus <i>Aureobasidium</i> . <i>Holzforschung</i> , 2017, 71, 437-443.	0.9	4
47	Changes in Archaeal Community and Activity by the Invasion of <i>Spartina anglica</i> Along Soil Depth Profiles of a Coastal Wetland. <i>Microbial Ecology</i> , 2022, 83, 436-446.	1.4	4
48	Phylogenetic analysis of the genus <i>Fusarium</i> and their antifungal activity against wood-decay and sapstain fungi. <i>Holzforschung</i> , 2013, 67, 473-478.	0.9	3
49	Transcriptional analysis of genes encoding β -glucosidase of <i>Schizophyllum commune</i> KUC9397 under optimal conditions. <i>Folia Microbiologica</i> , 2017, 62, 191-196.	1.1	1