Mei-fang Chien

List of Publications by Year
in descending order

37 papers	887 citations	430442 18 h-index	476904 29 g-index
39 all docs	39 docs citations	39 times ranked	917 citing authors

#	Article	IF	Citations
1	Separation of microplastic from soil by centrifugation and its application to agricultural soil. Chemosphere, 2022, 288, 132654.	4.2	42
2	Empirical Evidence of Arsenite Oxidase Gene as an Indicator Accounting for Arsenic Phytoextraction by Pteris vittata. International Journal of Environmental Research and Public Health, 2022, 19, 1796.	1.2	3
3	Rhizospheric plant-microbe synergistic interactions achieve efficient arsenic phytoextraction by Pteris vittata. Journal of Hazardous Materials, 2022, 434, 128870.	6.5	24
4	Arsenic uptake by Pteris vittata in a subarctic arsenic-contaminated agricultural field in Japan: An 8-year study. Science of the Total Environment, 2022, 831, 154830.	3.9	10
5	Second-generation bioethanol production from phytomass after phytoremediation using recombinant bacteria-yeast co-culture. Fuel, 2022, 326, 124975.	3.4	6
6	Expression of PvPht1;3, PvACR2 and PvACR3 during arsenic processing in root of Pteris vittata. Environmental and Experimental Botany, 2021, 182, 104312.	2.0	7
7	Biomimetic antibiofouling oil infused honeycomb films fabricated using breath figures. Polymer Journal, 2021, 53, 713-717.	1.3	8
8	Isolation and Characterization of Novel Bacteria Capable of Degrading 1,4-Dioxane in the Presence of Diverse Co-Occurring Compounds. Microorganisms, 2021, 9, 887.	1.6	14
9	New evidence of arsenic translocation and accumulation in Pteris vittata from real-time imaging using positron-emitting 74As tracer. Scientific Reports, 2021, 11, 12149.	1.6	15
10	Influence of low temperature on comparative arsenic accumulation and release by three <i>Pteris</i> hyperaccumulators. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2021, 56, 1179-1188.	0.9	4
11	HMA4 and IRT3 as indicators accounting for different responses to Cd and Zn by hyperaccumulator Arabidopsis halleri ssp. gemmifera. Plant Stress, 2021, 2, 100042.	2.7	6
12	A multifunctional rhizobacterial strain with wide application in different ferns facilitates arsenic phytoremediation. Science of the Total Environment, 2020, 712, 134504.	3.9	20
13	Enrichment and Analysis of Stable 1,4-dioxane-Degrading Microbial Consortia Consisting of Novel Dioxane-Degraders. Microorganisms, 2020, 8, 50.	1.6	20
14	Cupriavidus basilensis strain r507, a toxic arsenic phytoextraction facilitator, potentiates the arsenic accumulation by Pteris vittata. Ecotoxicology and Environmental Safety, 2020, 190, 110075.	2.9	33
15	Hydroponic approach to assess rhizodegradation by sudangrass (Sorghum x drummondii) reveals pH- and plant age-dependent variability in bacterial degradation of polycyclic aromatic hydrocarbons (PAHs). Journal of Hazardous Materials, 2020, 387, 121695.	6.5	28
16	Changes during the weathering of polyolefins. Polymer Degradation and Stability, 2020, 181, 109364.	2.7	82
17	Potential of Biosurfactantsâ€™ Production on Degrading Heavy Oil by Bacterial Consortia Obtained from Tsunami-Induced Oil-Spilled Beach Areas in Miyagi, Japan. Journal of Marine Science and Engineering, 2020, 8, 577.	1.2	12
18	Molybdate recovery using immobilized bioengineered Saccharomyces cerevisiae. Hydrometallurgy, 2020, 198, 105491.	1.8	4

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19	Long-term effectiveness of microbe-assisted arsenic phytoremediation by Pteris vittata in field trials. Science of the Total Environment, 2020, 740, 140137.	3.9	45
20	Efficient nitrate removal from water using selected cathodes and Ti/PbO2 anode: Experimental study and mechanism verification. Separation and Purification Technology, 2019, 216, 158-165.	3.9	43
21	Enhanced degradation of polycyclic aromatic hydrocarbons (PAHs) in the rhizosphere of sudangrass (SorghumÂÃ— drummondii). Chemosphere, 2019, 234, 789-795.	4.2	34
22	Comparative geochemical evaluation of toxic metals pollution and bacterial communities of industrial effluent tributary and a receiving estuary in Nigeria. Chemosphere, 2019, 227, 638-646.	4.2	15
23	Identification of A Novel Arsenic Resistance Transposon Nested in A Mercury Resistance Transposon of Bacillus sp. MB24. Microorganisms, 2019, 7, 566.	1.6	3
24	Phosphorus- and Iron-Deficiency Stresses Affect Arsenic Accumulation and Root Exudates in Pteris vittata. International Journal of Environmental Science and Development, 2019, 10, 430-434.	0.2	2
25	Arsenic, lead and cadmium removal potential of Pteris multifida from contaminated water and soil. International Journal of Phytoremediation, 2018, 20, 1187-1193.	1.7	11
26	Biodegradation of crude oil and phenanthrene by heavy metal resistant Bacillus subtilis isolated from a multi-polluted industrial wastewater creek. International Biodeterioration and Biodegradation, 2017, 120, 143-151.	1.9	49
27	Analysis of stable 1,2-dichlorobenzene-degrading enrichments and two newly isolated degrading strains, Acidovorax sp. sk40 and Ralstonia sp. sk41. Applied Microbiology and Biotechnology, 2017, 101, 6821-6828.	1.7	10
28	Biotechnological remedies for the estuarine environment polluted with heavy metals and persistent organic pollutants. International Biodeterioration and Biodegradation, 2017, 119, 614-625.	1.9	49
29	Mercury resistance transposons in Bacilli strains from different geographical regions. FEMS Microbiology Letters, 2016, 363, fnw013.	0.7	29
30	Mercury removal and recovery by immobilized Bacillus megaterium MB1. Frontiers of Chemical Science and Engineering, 2012, 6, 192-197.	2.3	25
31	Selection and application of endophytic bacterium Achromobacter xylosoxidans strain F3B for improving phytoremediation of phenolic pollutants. Journal of Hazardous Materials, 2012, 219-220, 43-49.	6.5	78
32	Mercury resistance and accumulation in Escherichia coli with cell surface expression of fish metallothionein. Applied Microbiology and Biotechnology, 2010, 87, 561-569.	1.7	26
33	Organomercurials removal by heterogeneous merB genes harboring bacterial strains. Journal of Bioscience and Bioengineering, 2010, 110, 94-98.	1.1	44
34	Expressing a bacterial mercuric ion binding protein in plant for phytoremediation of heavy metals. Journal of Hazardous Materials, 2009, 161, 920-925.	6.5	78
35	Splicing of a Bacterial Group II Intron from Bacillus megaterium Is Independent of Intron-Encoded Protein. Microbes and Environments, 2009, 24, 28-32.	0.7	2
36	Facilities for transcription and mobilization of an exon-less bacterial group II intron nested in transposon TnMERI1. Gene, 2008, 408, 164-171.	1.0	4

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37	Construction of a Cell Surface Engineered Yeast Aims to Selectively Recover Molybdenum, a Rare Metal. Solid State Phenomena, 0, 262, 421-424.	0.3	2