Chien Yen Chen

List of Publications by Year
in descending order

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		109137	128067
92	4,002	35	60
papers	citations	h-index	g-index

94	94	94	4981
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bioremediation of hexavalent-chromium contaminated groundwater: Microcosm, column, and microbial diversity studies. Chemosphere, 2022, 295, 133877.	4.2	5
2	Plantâ€“animal interactions in the era of environmental <scp>DNA</scp> (<scp>eDNA</scp>)â€”A review. Environmental DNA, 2022, 4, 987-999.	3.1	17
3	Characteristics of Doped TiO2 Nanoparticle Photocatalysts Prepared by the Rotten Egg White. Materials, 2022, 15, 4231.	1.3	3
4	Heavy metals distribution and ecological risk assessment including arsenic resistant PGPR in tidal mangrove ecosystem. Marine Pollution Bulletin, 2022, 181, 113905.	2.3	8
5	Variation of Microbial Diversity in Catastrophic Oil Spill Area in Marine Ecosystem and Hydrocarbon Degradation of UCMs (Unresolved Complex Mixtures) by Marine Indigenous Bacteria. Applied Biochemistry and Biotechnology, 2021, 193, 1266-1283.	1.4	6
6	Advanced application of nano-technological and biological processes as well as mitigation options for arsenic removal. Journal of Hazardous Materials, 2021, 405, 123885.	6.5	53
7	Management of Phosphorus in Salinity-Stressed Agriculture for Sustainable Crop Production by Salt-Tolerant Phosphate-Solubilizing Bacteriaâ€”A Review. Agronomy, 2021, 11, 1552.	1.3	61
8	A novel BMSN (biologically synthesized mesoporous silica nanoparticles) material: synthesis using a bacteria-mediated biosurfactant and characterization. RSC Advances, 2021, 11, 32906-32916.	1.7	19
9	Reinforcement of Environmental DNA Based Methods (Sensu Stricto) in Biodiversity Monitoring and Conservation: A Review. Biology, 2021, 10, 1223.	1.3	8
10	Efficient option of industrial wastewater resources in cement mortar application with river-sand by microbial induced calcium carbonate precipitation. Scientific Reports, 2020, 10, 6742.	1.6	13
11	Growth inhibition of sulfate-reducing bacteria for trichloroethylene dechlorination enhancement. Environmental Research, 2020, 187, 109629.	3.7	17
12	Microbial Induced Calcium Carbonate Precipitation (MICP) Using Pig Urine as an Alternative to Industrial Urea. Waste and Biomass Valorization, 2019, 10, 2887-2895.	1.8	37
13	The removal of arsenic from arsenic-bearing groundwater in In-situ and Ex-situ environment using novel natural magnetic rock material and synthesized magnetic material as adsorbent: A comparative assessment. Environmental Pollution, 2019, 253, 768-778.	3.7	30
14	Ecofriendly Heavy Metal Stabilization: Microbial Induced Mineral Precipitation (MIMP) and Biomineralization for Heavy Metals within the Contaminated Soil by Indigenous Bacteria. Geomicrobiology Journal, 2019, 36, 612-623.	1.0	35
15	Copper promotes E. coli laccase-mediated TNT biotransformation and alters the toxicity of TNT metabolites toward Tigriopus japonicus. Ecotoxicology and Environmental Safety, 2019, 173, 452-460.	2.9	11
16	Green synthesis of nano-Co3O4 by Microbial Induced Precipitation (MIP) process using Bacillus pasteurii and its application as supercapacitor. Materials Today Communications, 2018, 14, 302-311.	0.9	21
17	The integrated analysis of transcriptome and proteome for exploring the biodegradation mechanism of 2, 4, 6-trinitrotoluene by Citrobacter sp. Journal of Hazardous Materials, 2018, 349, 79-90.	6.5	27
18	Removal of fluoride from water through bacterial-surfactin mediated novel hydroxyapatite nanoparticle and its efficiency assessment: Adsorption isotherm, adsorption kinetic and adsorption Thermodynamics. Environmental Nanotechnology, Monitoring and Management, 2018, 9, 18-28.	1.7	58

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19	Comparative Study on the Sand Bioconsolidation through Calcium Carbonate Precipitation by Sporosarcina pasteurii and Bacillus subtilis. Crystals, 2018, 8, 189.	1.0	15
20	Fabrication of Fe3O4/ZnO magnetite core shell and its application in photocatalysis using sunlight. Materials Chemistry and Physics, 2018, 216, 380-386.	2.0	59
21	Medical geology in the framework of the sustainable development goals. Science of the Total Environment, 2017, 581-582, 87-104.	3.9	90
22	The expression of fibronectin is significantly suppressed in macrophages to exert a protective effect against Staphylococcus aureus infection. BMC Microbiology, 2017, 17, 92.	1.3	6
23	Hydrogeochemical reconnaissance of arsenic cycling and possible environmental risk in hydrothermal systems of Taiwan. Groundwater for Sustainable Development, 2017, 5, 1-13.	2.3	38
24	Enhancement of microbial 2,4,6-trinitrotoluene transformation with increased toxicity by exogenous nutrient amendment. Ecotoxicology and Environmental Safety, 2017, 138, 39-46.	2.9	19
25	Temporal regulation of Ïƒ B by partner-switching mechanism at a distinct growth stage in Bacillus cereus. International Journal of Medical Microbiology, 2017, 307, 521-532.	1.5	6
26	Green technological approach to synthesis hydrophobic stable crystalline calcite particles with one-pot synthesis for oilâ€“water separation during oil spill cleanup. Water Research, 2017, 123, 332-344.	5.3	28
27	Hydrophobic Calcium Carbonate for Cement Surface. Crystals, 2017, 7, 371.	1.0	14
28	Bacteria-Templated NiO Nanoparticles/Microstructure for an Enzymeless Glucose Sensor. International Journal of Molecular Sciences, 2016, 17, 1104.	1.8	20
29	Biodegradation of trinitrotoluene (TNT) by indigenous microorganisms from TNT-contaminated soil, and their application in TNT bioremediation. Bioremediation Journal, 2016, 20, 165-173.	1.0	18
30	Microbial induced synthesis of CeCO3OH and CeO2 hollow rods micro/nanostructure. Materials Letters, 2016, 167, 238-241.	1.3	12
31	Coloration and structure of Taiwanese bronze scarab (Anomala expansa). AIP Advances, 2015, 5, .	0.6	2
32	Activation of MAPK pathways and downstream transcription factors in 2â€aminobiphenylâ€induced apoptosis. Environmental Toxicology, 2015, 30, 205-211.	2.1	6
33	High Glucose Concentration Promotes Vancomycin-Enhanced Biofilm Formation of Vancomycin-Non-Susceptible Staphylococcus aureus in Diabetic Mice. PLoS ONE, 2015, 10, e0134852.	1.1	18
34	Methylatable Signaling Helix Coordinated Inhibitory Receiver Domain in Sensor Kinase Modulates Environmental Stress Response in Bacillus Cereus. PLoS ONE, 2015, 10, e0137952.	1.1	11
35	Electricity Generation and Wastewater Treatment of Oil Refinery in Microbial Fuel Cells Using Pseudomonas putida. International Journal of Molecular Sciences, 2014, 15, 16772-16786.	1.8	56
36	Microbial induced synthesis of hollow cylinder and helical NiO micro/nanostructure. MRS Communications, 2014, 4, 121-127.	0.8	6

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37	Characterization of CeO 2 crystals synthesized with different amino acids. Materials Characterization, 2014, 98, 202-208.	1.9	12
38	Screening of plant growth-promoting traits in arsenic-resistant bacteria isolated from agricultural soil and their potential implication for arsenic bioremediation. Journal of Hazardous Materials, 2014, 272, 112-120.	6.5	85
39	Microalgae for third generation biofuel production, mitigation ofÂgreenhouse gas emissions and wastewater treatment: Present andÂfuture perspectives â€“ A mini review. Energy, 2014, 78, 104-113.	4.5	301
40	Electricity generation with a sediment microbial fuel cell equipped with an air-cathode system using photobacterium. International Journal of Hydrogen Energy, 2014, 39, 21215-21222.	3.8	19
41	The production of biofuel and bioelectricity associated with wastewater treatment by green algae. Energy, 2014, 78, 94-103.	4.5	56
42	Microbial-Induced Calcite Precipitation (MICP) Using Surfactants. , 2014, , .		8
43	Reliability Analysis of Monopile for Offshore Wind Foundations Using the Response Surface Method. , 2014, , .		3
44	Naturally occurring arsenic in terrestrial geothermal systems of western Anatolia, Turkey: Potential role in contamination of freshwater resources. Journal of Hazardous Materials, 2013, 262, 951-959.	6.5	69
45	Differential regulation and activity against oxidative stress of Dps proteins in Bacillus cereus. International Journal of Medical Microbiology, 2013, 303, 662-673.	1.5	13
46	The geochemical characteristics of the mud liquids in the Wushanting and Hsiaokunshui Mud Volcano region in southern Taiwan: Implications of humic substances for binding and mobilization of arsenic. Journal of Geochemical Exploration, 2013, 128, 62-71.	1.5	22
47	Arsenic mineral dissolution and possible mobilization in mineralâ€“microbeâ€“groundwater environment. Journal of Hazardous Materials, 2013, 262, 989-996.	6.5	44
48	Evaluation of remediation process with soapberry derived saponin for removal of heavy metals from contaminated soils in Hai-Pu, Taiwan. Journal of Environmental Sciences, 2013, 25, 1180-1185.	3.2	32
49	Linking geochemical processes in mud volcanoes with arsenic mobilization driven by organic matter. Journal of Hazardous Materials, 2013, 262, 980-988.	6.5	16
50	Removal of Cu, Pb and Zn by foam fractionation and a soil washing process from contaminated industrial soils using soapberry-derived saponin: A comparative effectiveness assessment. Chemosphere, 2013, 92, 1286-1293.	4.2	61
51	Identification and discrimination of bacteria using Fourier transform infrared spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 116, 478-484.	2.0	46
52	Biogeochemical processes and geotechnical applications: progress, opportunities and challenges. Geotechnique, 2013, 63, 287-301.	2.2	591
53	A Single-Chamber Microbial Fuel Cell without an Air Cathode. International Journal of Molecular Sciences, 2012, 13, 3933-3948.	1.8	41
54	Cyclooxygenase-2 Expression Is Up-regulated by 2-Aminobiphenyl in a ROS and MAPK-Dependent Signaling Pathway in a Bladder Cancer Cell Line. Chemical Research in Toxicology, 2012, 25, 695-705.	1.7	19

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55	Foam fractionation of ZnO crystal growth and its photocatalysis of the degradation of methylene blue. Journal of Materials Research, 2012, 27, 2503-2510.	1.2	1
56	Arsenic-induced health crisis in peri-urban Moyna and Ardebok villages, West Bengal, India: an exposure assessment study. Environmental Geochemistry and Health, 2012, 34, 563-574.	1.8	66
57	Foam fractionation of crystal growth for nanotechnology. Chemical Engineering Journal, 2012, 184, 333-341.	6.6	4
58	Comparative bioelectricity production from various wastewaters in microbial fuel cells using mixed cultures and a pure strain of Shewanella oneidensis. Bioresource Technology, 2012, 104, 315-323.	4.8	121
59	Visible light response of Ag+/TiO2â€“Ti2O3 prepared by photodeposition under foam fractionation. Journal of Photochemistry and Photobiology A: Chemistry, 2012, 236, 1-8.	2.0	24
60	Interplay of RsbM and RsbK controls the Ïƒ^B activity of Bacillus cereus. Environmental Microbiology, 2012, 14, 2788-2799.	1.8	9
61	Role of organic matter and humic substances in the binding and mobility of arsenic in a Gangetic aquifer. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2011, 46, 1231-1238.	0.9	35
62	Cadmium-induced earthworm metallothionein-2 is associated with metal accumulation and counteracts oxidative stress. Pedobiologia, 2011, 54, 333-340.	0.5	39
63	A proteome analysis of the tetracyanonickelate (II) responses in Klebsiella oxytoca. Environmental Microbiology Reports, 2011, 3, 106-111.	1.0	2
64	Low-Temperature Synthesis of Rose-Like ZnO Nanostructures Using Surfactin and Their Photocatalytic Activity. Journal of Nanoscience and Nanotechnology, 2011, 11, 5034-5041.	0.9	15
65	Cloning and characterization of Î²-agarase AgaYT from Flammeovirga yaeyamensis strain YT. Journal of Bioscience and Bioengineering, 2011, 112, 225-232.	1.1	31
66	Microbial fuel cell of Enterobacter cloacae: Effect of anodic pH microenvironment on current, power density, internal resistance and electrochemical losses. International Journal of Hydrogen Energy, 2011, 36, 11093-11101.	3.8	39
67	Glycerol degradation in single-chamber microbial fuel cells. Bioresource Technology, 2011, 102, 2629-2634.	4.8	79
68	Arsenic-enriched groundwaters of India, Bangladesh and Taiwanâ€”Comparison of hydrochemical characteristics and mobility constraints. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2011, 46, 1163-1176.	0.9	29
69	Rapid and Economic DNA Extraction from a Single Salmon Egg for Real-Time PCR Amplification. Bioscience, Biotechnology and Biochemistry, 2011, 75, 2014-2017.	0.6	3
70	Biogeochemical interactions among the arsenic, iron, humic substances, and microbes in mud volcanoes in southern Taiwan. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2011, 46, 1218-1230.	0.9	14
71	Biogeochemical characteristics of Kuan-Tzu-Ling, Chung-Lun and Bao-Lai hot springs in southern Taiwan. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2011, 46, 1207-1217.	0.9	26
72	The potential for reductive mobilization of arsenic [As(V) to As(III)] by OSBH₂(Pseudomonas stutzeri) and OSBH₅(Bacillus cereus) in an oil-contaminated site. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2011, 46, 1239-1246.	0.9	40

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73	Removal of Mercury by Foam Fractionation Using Surfactin, a Biosurfactant. International Journal of Molecular Sciences, 2011, 12, 8245-8258.	1.8	42
74	Synthesis of Brushite Particles in Reverse Microemulsions of the Biosurfactant Surfactin. International Journal of Molecular Sciences, 2011, 12, 3821-3830.	1.8	41
75	Biodegradation of benzene by pure and mixed cultures of Bacillus spp.. World Journal of Microbiology and Biotechnology, 2010, 26, 1557-1567.	1.7	26
76	Synthesis and characterization of Fe/CeO2 catalysts: Epoxidation of cyclohexene. Journal of Molecular Catalysis A, 2010, 318, 60-67.	4.8	67
77	Biological Synthesis of Gold and Silver Nanoparticles Mediated by the Bacteria Bacillus Subtilis. Journal of Nanoscience and Nanotechnology, 2010, 10, 6567-6574.	0.9	126
78	Enrichment and Purification of Lipopeptide Biosurfactants. Advances in Experimental Medicine and Biology, 2010, 672, 281-288.	0.8	9
79	Identification of prophage gene z2389 in Escherichia coli EDL933 encoding a DNA cytosine methyltransferase for full protection of NotI sites. International Journal of Medical Microbiology, 2010, 300, 296-303.	1.5	3
80	Synthesis of Gold Nanoparticles via an Environmentally Benign Route Using a Biosurfactant. Journal of Nanoscience and Nanotechnology, 2009, 9, 6693-6699.	0.9	42
81	orf4 of the Bacillus cereus sigB Gene Cluster Encodes a General Stress-Inducible Dps-Like Bacterioferritin. Journal of Bacteriology, 2009, 191, 4522-4533.	1.0	15
82	Synthesis of silver nanoparticles using surfactin: A biosurfactant as stabilizing agent. Materials Letters, 2009, 63, 1227-1230.	1.3	101
83	Impact of cadmium on the bacterial communities in the gut of Metaphire posthuma. Journal of Hazardous Materials, 2009, 172, 1212-1217.	6.5	6
84	Stable and high energy generation by a strain of Bacillus subtilis in a microbial fuel cell. Journal of Power Sources, 2009, 190, 258-263.	4.0	154
85	Cloning, expression, and characterization of cadmium-induced metallothionein-2 from the earthworms Metaphire posthuma and Polypheretima elongata. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2009, 149, 349-357.	1.3	11
86	Aggregation of the Naturally Occurring Lipopeptide, Surfactin, at Interfaces and in Solution: An Unusual Type of Surfactant?. Langmuir, 2009, 25, 4211-4218.	1.6	85
87	The application of a high throughput analysis method for the screening of potential biosurfactants from natural sources. Journal of Microbiological Methods, 2007, 70, 503-510.	0.7	72
88	Continuous production of biosurfactant with foam fractionation. Journal of Chemical Technology and Biotechnology, 2006, 81, 1915-1922.	1.6	43
89	Batch production of biosurfactant with foam fractionation. Journal of Chemical Technology and Biotechnology, 2006, 81, 1923-1931.	1.6	78
90	Comparative study of photoluminescence of single-walled carbon nanotubes wrapped with sodium dodecyl sulfate, surfactin and polyvinylpyrrolidone. Nanotechnology, 2005, 16, S202-S205.	1.3	49

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91	Phosphorylation and RsbX-Dependent Dephosphorylation of RsbR in the RsbR-RsbS Complex of Bacillus subtilis. Journal of Bacteriology, 2004, 186, 6830-6836.	1.0	51
92	A supramolecular complex in the environmental stress signalling pathway of Bacillus subtilis. Molecular Microbiology, 2003, 49, 1657-1669.	1.2	104