Jun-Jun Chang

List of Publications by Year in Descending Order

61 papers	1,153 citations	20 h-index	31 g-index
63 ext. papers	1,467 ext. citations	6.7 avg, IF	5.04 L-index

#	Paper	IF	Citations
61	Effects of vermiculite on the growth process of submerged macrophyte Vallisneria spiralis and sediment microecological environment.. *Journal of Environmental Sciences*, **2022**, 118, 130-139	6.4	0
60	High treatment effectiveness for secondary effluent in Fe□ microelectrolysis constructed wetlands with electron donor supplementation. *Journal of Cleaner Production*, **2022**, 342, 130934	10.3	0
59	Mechanisms controlling the transformation of and resistance to mercury(II) for a plant-associated Pseudomonas sp. strain, AN-B15.. *Journal of Hazardous Materials*, **2021**, 425, 127948	12.8	1
58	Efficient treatment of mercury(II)-containing wastewater in aerated constructed wetland microcosms packed with biochar.. *Chemosphere*, **2021**, 290, 133302	8.4	0
57	Bellamya aeruginosa (Reeve) regulates bacterial community features in sediment harbouring different submerged macrophytes under different nutrient levels. *Aquatic Sciences*, **2021**, 83, 1	2.5	
56	Application of biochar as an innovative substrate in constructed wetlands/biofilters for wastewater treatment: Performance and ecological benefits. *Journal of Cleaner Production*, **2021**, 293, 126156	10.3	33
55	Removal of multiple heavy metals from mining-impacted water by biochar-filled constructed wetlands: Adsorption and biotic removal routes. *Bioresource Technology*, **2021**, 331, 125061	11	16
54	Promotion of bioremediation performance in constructed wetland microcosms for acid mine drainage treatment by using organic substrates and supplementing domestic wastewater and plant litter broth. *Journal of Hazardous Materials*, **2021**, 404, 124125	12.8	18
53	Transcriptomic analyses reveal the pathways associated with the volatilization and resistance of mercury(II) in the fungus Lecythophora sp. DC-F1. *Science of the Total Environment*, **2021**, 752, 142172	10.2	7
52	Greenhouse gas emissions from constructed wetlands are mitigated by biochar substrates and distinctly affected by tidal flow and intermittent aeration modes. *Environmental Pollution*, **2021**, 271, 116328	9.3	10
51	Enhanced desalination performance in asymmetric flow electrode capacitive deionization with nickel hexacyanoferrate and activated carbon electrodes. *Desalination*, **2021**, 514, 115172	10.3	3
50	Using bioenergy crop cassava () for reclamation of heavily metal-contaminated land. *International Journal of Phytoremediation*, **2020**, 22, 1313-1320	3.9	4
49	Roles of biochar media and oxygen supply strategies in treatment performance, greenhouse gas emissions, and bacterial community features of subsurface-flow constructed wetlands. *Bioresource Technology*, **2020**, 302, 122890	11	17
48	The bioremediation potentials and mercury(II)-resistant mechanisms of a novel fungus Penicillium spp. DC-F11 isolated from contaminated soil. *Journal of Hazardous Materials*, **2020**, 396, 122638	12.8	22
47	Synergistic control of internal phosphorus loading from eutrophic lake sediment using MMF coupled with submerged macrophytes. *Science of the Total Environment*, **2020**, 731, 138697	10.2	8
46	Anion Exchange Nanocomposite Membranes Modified with Graphene Oxide and Polydopamine: Interfacial Structure and Antifouling Applications. *ACS Applied Nano Materials*, **2020**, 3, 588-596	5.6	9
45	Removal of chloride ions using a bismuth electrode in capacitive deionization (CDI). *Environmental Science: Water Research and Technology*, **2020**, 6, 373-382	4.2	17

44	Treatment of heavily polluted river water by tidal-operated biofilters with organic/inorganic media: Evaluation of performance and bacterial community. *Bioresource Technology*, **2019**, 279, 34-42	11	30
43	Novel PTFE hollow fiber membrane fabricated by emulsion electrospinning and sintering for membrane distillation. *Journal of Membrane Science*, **2019**, 583, 200-208	9.6	62
42	Bioremediation of Hg-contaminated soil by combining a novel Hg-volatilizing Lecythophora sp. fungus, DC-F1, with biochar: Performance and the response of soil fungal community. *Science of the Total Environment*, **2019**, 671, 676-684	10.2	24
41	Reduction in Hg phytoavailability in soil using Hg-volatilizing bacteria and biochar and the response of the native bacterial community. *Microbial Biotechnology*, **2019**, 12, 1014-1023	6.3	9
40	Cr(VI) removal performance from aqueous solution by Pseudomonas sp. strain DC-B3 isolated from mine soil: characterization of both Cr(VI) bioreduction and total Cr biosorption processes. *Environmental Science and Pollution Research*, **2019**, 26, 28135-28145	5.1	8
39	Superiority of a novel flow-electrode capacitive deionization (FCDI) based on a battery material at high applied voltage. *Desalination*, **2019**, 468, 114080	10.3	26
38	Seawater desalination by over-potential membrane capacitive deionization: Opportunities and hurdles. *Chemical Engineering Journal*, **2019**, 357, 103-111	14.7	54
37	Isolation of the Hg(II)-volatilizing Bacillus sp. strain DC-B2 and its potential to remediate Hg(II)-contaminated soils. *Journal of Chemical Technology and Biotechnology*, **2019**, 94, 1433-1440	3.5	9
36	Recycling of LiNiCoMnO cathode materials from spent lithium-ion batteries using mechanochemical activation and solid-state sintering. *Waste Management*, **2019**, 84, 54-63	8.6	59
35	High-selectivity membrane absorption process for recovery of ammonia with electrospun hollow fiber membrane. *Separation and Purification Technology*, **2019**, 216, 136-146	8.3	17
34	Characterization of Cu and Cd biosorption by Pseudomonas sp. strain DC-B3 isolated from metal mine soil. *International Journal of Environmental Science and Technology*, **2019**, 16, 4035-4046	3.3	12
33	Seasonal and spatial distributions of euphotic zone and long-term variations in water transparency in a clear oligotrophic Lake Fuxian, China. *Journal of Environmental Sciences*, **2018**, 72, 185-197	6.4	22
32	Sea-Buckthorn-Like MnO2 Decorated Titanate Nanotubes with Oxidation Property and Photocatalytic Activity for Enhanced Degradation of 17Β-Estradiol under Solar Light. *ACS Applied Energy Materials*, **2018**, 1, 2123-2133	6.1	25
31	Improvement of start-up and nitrogen removal of the anammox process in reactors inoculated with conventional activated sludge using biofilm carrier materials. *Environmental Technology (United Kingdom)*, **2018**, 39, 59-67	2.6	19
30	Characterization of an Hg(II)-volatilizing Pseudomonas sp. strain, DC-B1, and its potential for soil remediation when combined with biochar amendment. *Ecotoxicology and Environmental Safety*, **2018**, 163, 172-179	7	23
29	Enhancing Nitrogen Removal Performance in a Bioreactor Using Immobilized Anaerobic Ammonium Oxidation Sludge by Polyvinyl Alcohol-Sodium Alginate (PVA-SA). *Polish Journal of Environmental Studies*, **2018**, 27, 773-778	2.3	7
28	Effects of water exchange rate on morphological and physiological characteristics of two submerged macrophytes from Erhai Lake. *Ecology and Evolution*, **2018**, 8, 12750-12760	2.8	9
27	F-POSS based Omniphobic Membrane for Robust Membrane Distillation. *Materials Letters*, **2018**, 228, 85-88	3.3	43

26	Nitrogen Removal Performance and Enzyme Activities of Baffled Subsurface-Flow Constructed Wetlands with Macrophyte Biomass Addition. *Water, Air, and Soil Pollution*, **2018**, 229, 1	2.6	8
25	Fabrication and post-treatment of nanofibers-covered hollow fiber membranes for membrane distillation. *Journal of Membrane Science*, **2018**, 562, 38-46	9.6	22
24	Application of anion exchange membrane and the effect of its properties on asymmetric membrane capacitive deionization. *Separation and Purification Technology*, **2018**, 207, 387-395	8.3	23
23	Greenhouse wastewater treatment by baffled subsurface-flow constructed wetlands supplemented with flower straws as carbon source in different modes. *Environmental Science and Pollution Research*, **2017**, 24, 1578-1587	5.1	5
22	Novel three-dimensional superhydrophobic and strength-enhanced electrospun membranes for long-term membrane distillation. *Separation and Purification Technology*, **2017**, 178, 279-287	8.3	50
21	Promoted bioelectrocatalytic activity of microbial electrolysis cell (MEC) in sulfate removal through the synergy between neutral red and graphite felt. *Chemical Engineering Journal*, **2017**, 327, 183-192	14.7	10
20	Fabrication of a novel nanofibers-covered hollow fiber membrane via continuous electrospinning with non-rotational collectors. *Materials Letters*, **2017**, 204, 8-11	3.3	19
19	Carbon materials derived from chitosan/cellulose cryogel-supported zeolite imidazole frameworks for potential supercapacitor application. *Carbohydrate Polymers*, **2017**, 175, 223-230	10.3	31
18	Macropore- and Micropore-Dominated Carbon Derived from Poly(vinyl alcohol) and Polyvinylpyrrolidone for Supercapacitor and Capacitive Deionization. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 11324-11333	8.3	42
17	Simultaneous removals of nitrate and sulfate and the adverse effects of gravel-based biofilters with flower straws added as exogenous carbon source. *Ecological Engineering*, **2016**, 95, 189-197	3.9	19
16	Remediation of nitrate-contaminated wastewater using denitrification biofilters with straws of ornamental flowers added as carbon source. *Water Science and Technology*, **2016**, 74, 416-23	2.2	4
15	Physiological Responses of Aphanizomenon flos-aquae Under the Stress of Sagittaria sagittifolia Extract. *Bulletin of Environmental Contamination and Toxicology*, **2016**, 97, 870-875	2.7	4
14	Comparative evaluations of organic matters and nitrogen removal capacities of integrated vertical-flow constructed wetlands: Domestic and nitrified wastewater treatment. *Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering*, **2015**, 50, 757-66	2.3	8
13	Responses of microbial abundance and enzyme activity in integrated vertical-flow constructed wetlands for domestic and secondary wastewater. *Desalination and Water Treatment*, **2015**, 56, 2082-2091		3
12	Comparative study of microbial community structure in integrated vertical-flow constructed wetlands for treatment of domestic and nitrified wastewaters. *Environmental Science and Pollution Research*, **2015**, 22, 3518-27	5.1	19
11	Comparative evaluation of total phosphorus removal performances for treatment of domestic and secondary wastewater using integrated vertical-flow constructed wetlands: two years experience. *Desalination and Water Treatment*, **2015**, 56, 1379-1388		6
10	What's better, Ceratophyllum demersum L. or Myriophyllum verticillatum L., individual or combined?. *Ecological Engineering*, **2014**, 70, 397-401	3.9	20
9	Treatment performance and microorganism community structure of integrated vertical-flow constructed wetland plots for domestic wastewater. *Environmental Science and Pollution Research*, **2013**, 20, 3789-98	5.1	31

8	Nitrogen removal from nitrate-laden wastewater by integrated vertical-flow constructed wetland systems. *Ecological Engineering*, **2013**, 58, 192-201	3.9	58
7	Adsorption characteristics of used brick for phosphorus removal from phosphate solution. *Desalination and Water Treatment*, **2013**, 51, 5886-5891		9
6	Nitrate removal from tail water by integrated vertical-flow constructed wetlands at a high hydraulic loading rate. *Desalination and Water Treatment*, **2013**, 51, 6031-6037		5
5	Treatment performance of integrated vertical-flow constructed wetland plots for domestic wastewater. *Ecological Engineering*, **2012**, 44, 152-159	3.9	107
4	Effects of Ceratophyllum demersum L. restoration on phosphorus balance at water–sediment interface. *Ecological Engineering*, **2012**, 44, 128-132	3.9	10
3	Effect of intermittent aeration on the microbial community structure of activated sludge in a submerged membrane bioreactor. *Water and Environment Journal*, **2011**, 25, 214-218	1.7	14
2	Effect of a low concentration of aluminum sulfate on the treatment performance of a submerged membrane bioreactor. *Desalination and Water Treatment*, **2011**, 29, 181-186		
1	Effect of intermittent aeration on the treatment performance in a submerged membrane bioreactor. *Wuhan University Journal of Natural Sciences*, **2010**, 15, 455-460	0.4	2