# Jun-Jun Chang

## List of Publications by Citations



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| 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 | Treatment performance of integrated vertical-flow constructed wetland plots for domestic wastewater. *Ecological Engineering*, **2012**, 44, 152-159 | 3.9 | 107 |
| 60 | 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 |
| 59 | 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 |
| 58 | Nitrogen removal from nitrate-laden wastewater by integrated vertical-flow constructed wetland systems. *Ecological Engineering*, **2013**, 58, 192-201 | 3.9 | 58 |
| 57 | Seawater desalination by over-potential membrane capacitive deionization: Opportunities and hurdles. *Chemical Engineering Journal*, **2019**, 357, 103-111 | 14.7 | 54 |
| 56 | 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 |
| 55 | F-POSS based Omniphobic Membrane for Robust Membrane Distillation. *Materials Letters*, **2018**, 228, 85-88 | 3.3 | 43 |
| 54 | 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 |
| 53 | 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 |
| 52 | 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 |
| 51 | Carbon materials derived from chitosan/cellulose cryogel-supported zeolite imidazole frameworks for potential supercapacitor application. *Carbohydrate Polymers*, **2017**, 175, 223-230 | 10.3 | 31 |
| 50 | 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 |
| 49 | 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 |
| 48 | Sea-Buckthorn-Like MnO2 Decorated Titanate Nanotubes with Oxidation Property and Photocatalytic Activity for Enhanced Degradation of 17Estradiol under Solar Light. *ACS Applied Energy Materials*, **2018**, 1, 2123-2133 | 6.1 | 25 |
| 47 | 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 |
| 46 | 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 |
| 45 | 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 |

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| 44 | 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 |
| 43 | 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 |
| 42 | Fabrication and post-treatment of nanofibers-covered hollow fiber membranes for membrane distillation. *Journal of Membrane Science*, **2018**, 562, 38-46 | 9.6 | 22 |
| 41 | What's better, Ceratophyllum demersum L. or Myriophyllum verticillatum L., individual or combined?. *Ecological Engineering*, **2014**, 70, 397-401 | 3.9 | 20 |
| 40 | 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 |
| 39 | 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 |
| 38 | 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 |
| 37 | 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 |
| 36 | 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 |
| 35 | 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 |
| 34 | 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 |
| 33 | 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 |
| 32 | 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 |
| 31 | 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 |
| 30 | 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 |
| 29 | 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 |
| 28 | Effects of Ceratophyllum demersum L. restoration on phosphorus balance at water–sediment interface. *Ecological Engineering*, **2012**, 44, 128-132 | 3.9 | 10 |
| 27 | 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 |

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| 26 | 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 |
| 25 | Adsorption characteristics of used brick for phosphorus removal from phosphate solution. *Desalination and Water Treatment*, **2013**, 51, 5886-5891 | | 9 |
| 24 | 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 |
| 23 | 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 |
| 22 | 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 |
| 21 | 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* | 2.3 | 8 |
| 20 | 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 |
| 19 | 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 |
| 18 | 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 |
| 17 | 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 |
| 16 | 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 |
| 15 | 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 |
| 14 | 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 |
| 13 | 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 |
| 12 | Using bioenergy crop cassava () for reclamation of heavily metal-contaminated land. *International Journal of Phytoremediation*, **2020**, 22, 1313-1320 | 3.9 | 4 |
| 11 | 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 |
| 10 | 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 |
| 9 | 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 |

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| 8 | Enhanced desalination performance in asymmetric flow electrode capacitive deionization with nickel hexacyanoferrate and activated carbon electrodes. *Desalination*, **2021**, 514, 115172 | 10.3 | 3 |
| 7 | 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 |
| 6 | 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 |
| 5 | Efficient treatment of mercury(II)-containing wastewater in aerated constructed wetland microcosms packed with biochar.. *Chemosphere*, **2021**, 290, 133302 | 8.4 | 0 |
| 4 | 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 |
| 3 | High treatment effectiveness for secondary effluent in Fe⁰ microelectrolysis constructed wetlands with electron donor supplementation. *Journal of Cleaner Production*, **2022**, 342, 130934 | 10.3 | 0 |
| 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 | Bellamya aeruginosa (Reeve) regulates bacterial community features in sediment harbouring different submerged macrophytes under different nutrient levels. *Aquatic Sciences*, **2021**, 83, 1 | 2.5 | |