

Wei Chen

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

2,496
citations

218677

26
h-index

197818

49
g-index

51
all docs

51
docs citations

51
times ranked

2009
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Preparation of Battery-Grade FePO ₄ ·2H ₂ O Using the Stripping Solution Generated from Resource Recycling of Bauxite Residue. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2022, 109, 86-94. | 2.7 | 3 |
| 2 | Aluminum separation by sulfuric acid leaching-solvent extraction from Al-bearing LiFePO ₄ /C powder for recycling of Fe/P. <i>Waste Management</i> , 2022, 144, 303-312. | 7.4 | 27 |
| 3 | Coordination-driven Cu-based Fenton-like process for humic acid treatment in wastewater. <i>Science of the Total Environment</i> , 2022, 838, 156462. | 8.0 | 16 |
| 4 | Stripping of Fe(III) from Aliquat 336 by NaH ₂ PO ₄ : implication for rare-earth elements recovery from red mud. <i>Separation Science and Technology</i> , 2021, 56, 301-309. | 2.5 | 12 |
| 5 | Separation and recovery of scandium and titanium from red mud leaching liquor through a neutralization precipitation-acid leaching approach. <i>Journal of Rare Earths</i> , 2021, 39, 1126-1132. | 4.8 | 25 |
| 6 | Advances in the characterization and monitoring of natural organic matter using spectroscopic approaches. <i>Water Research</i> , 2021, 190, 116759. | 11.3 | 74 |
| 7 | Separation and recovery of arsenic from As, Cu, and Zn rich leaching liquor using a reduction-crystallization approach. <i>RSC Advances</i> , 2021, 11, 22426-22432. | 3.6 | 1 |
| 8 | Separation of As and Bi and enrichment of As, Cu, and Zn from copper dust using an oxidation-leaching approach. <i>Chinese Journal of Chemical Engineering</i> , 2021, 33, 125-131. | 3.5 | 9 |
| 9 | Application of recycled ferric chloride for alkalinity regulation of bauxite residue. <i>Journal of Cleaner Production</i> , 2021, 305, 127174. | 9.3 | 8 |
| 10 | Characterization and treatment of landfill leachate: A review. <i>Water Research</i> , 2021, 203, 117525. | 11.3 | 206 |
| 11 | Unveiling the degradation of membrane concentrated landfill leachate during enhanced photocatalysis using spectroscopic approaches. <i>Journal of Water Process Engineering</i> , 2021, 43, 102220. | 5.6 | 5 |
| 12 | Selective separation of copper and zinc from high acid leaching solution of copper dust using a sulfide precipitation-pickling approach. <i>Chemical Engineering Research and Design</i> , 2021, 156, 100-108. | 5.6 | 6 |
| 13 | Why Should Tryptones Rather Than Bovine Serum Albumin Be Used as Model Proteins to Explore the Interactions between Proteins and Pollutants in Environments?. <i>Environmental Science and Technology Letters</i> , 2021, 8, 1038-1044. | 8.7 | 11 |
| 14 | Arsenic removal from highly-acidic wastewater with high arsenic content by copper-chloride synergistic reduction. <i>Chemosphere</i> , 2020, 238, 124675. | 8.2 | 30 |
| 15 | Cultivation substrata differentiate the properties of river biofilm EPS and their binding of heavy metals: A spectroscopic insight. <i>Environmental Research</i> , 2020, 182, 109052. | 7.5 | 42 |
| 16 | Separation and recovery of iron and scandium from acid leaching solution of red mud using D201 resin. <i>Journal of Rare Earths</i> , 2020, 38, 1322-1329. | 4.8 | 30 |
| 17 | Selective Electrocatalytic Water Oxidation to Produce H ₂ O ₂ Using a C,N Codoped TiO ₂ Electrode in an Acidic Electrolyte. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 4423-4431. | 8.0 | 40 |
| 18 | Elucidating the structural variation of membrane concentrated landfill leachate during Fenton oxidation process using spectroscopic analyses. <i>Environmental Pollution</i> , 2020, 256, 113467. | 7.5 | 48 |

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|----|--|------|-----------|
| 19 | Spectroscopic response of soil organic matter in mining area to Pb/Cd heavy metal interaction: A mirror of coherent structural variation. <i>Journal of Hazardous Materials</i> , 2020, 393, 122425. | 12.4 | 45 |
| 20 | Integration of resource recycling with de-alkalization for bauxite residue treatment. <i>Hydrometallurgy</i> , 2020, 192, 105263. | 4.3 | 8 |
| 21 | Degradation characteristics of dissolved organic matter in nanofiltration concentrated landfill leachate during electrocatalytic oxidation. <i>Chemosphere</i> , 2020, 255, 127055. | 8.2 | 49 |
| 22 | Diagnosis of the unexpected fluorescent contaminants in quantifying dissolved organic matter using excitation-emission matrix fluorescence spectroscopy. <i>Water Research</i> , 2019, 163, 114873. | 11.3 | 19 |
| 23 | Selective Removal of Iron from Acid Leachate of Red Mud by Aliquat 336. <i>Jom</i> , 2019, 71, 4608-4615. | 1.9 | 12 |
| 24 | Kinetics of Roasting Reaction Between Synthetic Scheelite and Magnesium Chloride. <i>Jom</i> , 2019, 71, 2827-2833. | 1.9 | 10 |
| 25 | Reductive removal of arsenic from waste acid containing high-acidity and arsenic levels through iodide and copper powder synergy. <i>Chemical Engineering Journal</i> , 2019, 373, 23-30. | 12.7 | 28 |
| 26 | Characterizing Properties and Environmental Behaviors of Dissolved Organic Matter Using Two-Dimensional Correlation Spectroscopic Analysis. <i>Environmental Science & Technology</i> , 2019, 53, 4683-4694. | 10.0 | 151 |
| 27 | Synergistic effect of TiO ₂ -CuWO ₄ on the photocatalytic degradation of atrazine. <i>Environmental Science and Pollution Research</i> , 2019, 26, 12359-12367. | 5.3 | 13 |
| 28 | Recovery of iron and rare earth elements from red mud through an acid leaching-stepwise extraction approach. <i>Journal of Central South University</i> , 2019, 26, 458-466. | 3.0 | 44 |
| 29 | Removal of ammonia-nitrogen in wastewater using a novel poly ligand exchanger-Zn(II)-loaded chelating resin. <i>Water Science and Technology</i> , 2019, 79, 126-136. | 2.5 | 16 |
| 30 | Removal of Zn(II) from manganese-zinc chloride waste liquor using ion-exchange with D201 resin. <i>Hydrometallurgy</i> , 2019, 190, 105171. | 4.3 | 15 |
| 31 | Sequential extraction of tungsten from scheelite through roasting and alkaline leaching. <i>Minerals Engineering</i> , 2019, 132, 238-244. | 4.3 | 24 |
| 32 | Molecular Spectroscopic Characterization of Membrane Fouling: A Critical Review. <i>CheM</i> , 2018, 4, 1492-1509. | 11.7 | 83 |
| 33 | Chemical imaging of fresh vascular smooth muscle cell response by epi-detected stimulated Raman scattering. <i>Journal of Biophotonics</i> , 2018, 11, e201700005. | 2.3 | 5 |
| 34 | Induced structural changes of humic acid by exposure of polystyrene microplastics: A spectroscopic insight. <i>Environmental Pollution</i> , 2018, 233, 1-7. | 7.5 | 211 |
| 35 | Enhanced selective leaching of scandium from red mud. <i>Hydrometallurgy</i> , 2018, 182, 57-63. | 4.3 | 60 |
| 36 | Resin-enhanced acid leaching of tungsten from scheelite. <i>Hydrometallurgy</i> , 2018, 182, 75-81. | 4.3 | 10 |

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|----|--|------|-----------|
| 37 | Rapid Leaching of Synthetic Scheelite by a Resin-in-Pulp Process. <i>Jom</i> , 2018, 70, 2846-2855. | 1.9 | 5 |
| 38 | Adsorption of fluoride by the calcium alginate embedded with Mg-Al-Ce trimetal oxides. <i>Korean Journal of Chemical Engineering</i> , 2018, 35, 1636-1641. | 2.7 | 8 |
| 39 | Structural response of humic acid upon binding with lead: A spectroscopic insight. <i>Science of the Total Environment</i> , 2018, 643, 479-485. | 8.0 | 65 |
| 40 | Comparative study on the synthesis of magnetic ferrite adsorbent for the removal of Cd(II) from wastewater. <i>Adsorption Science and Technology</i> , 2018, 36, 1456-1469. | 3.2 | 25 |
| 41 | Interaction between humic acid and protein in membrane fouling process: A spectroscopic insight. <i>Water Research</i> , 2018, 145, 146-152. | 11.3 | 74 |
| 42 | Concentration Dependent Effects of Bovine Serum Albumin on Graphene Oxide Colloidal Stability in Aquatic Environment. <i>Environmental Science & Technology</i> , 2018, 52, 7212-7219. | 10.0 | 67 |
| 43 | Temperature-dependent conformational variation of chromophoric dissolved organic matter and its consequent interaction with phenanthrene. <i>Environmental Pollution</i> , 2017, 222, 23-31. | 7.5 | 39 |
| 44 | Fluorescence Approach for the Determination of Fluorescent Dissolved Organic Matter. <i>Analytical Chemistry</i> , 2017, 89, 4264-4271. | 6.5 | 45 |
| 45 | Interaction between Dissolved Organic Matter and Long-Chain Ionic Liquids: A Microstructural and Spectroscopic Correlation Study. <i>Environmental Science & Technology</i> , 2017, 51, 4812-4820. | 10.0 | 40 |
| 46 | Evolution of Membrane Fouling Revealed by Label-Free Vibrational Spectroscopic Imaging. <i>Environmental Science & Technology</i> , 2017, 51, 9580-9587. | 10.0 | 36 |
| 47 | Probing Membrane Fouling via Infrared Attenuated Total Reflection Mapping Coupled with Multivariate Curve Resolution. <i>ChemPhysChem</i> , 2016, 17, 358-363. | 2.1 | 18 |
| 48 | FTIR and Synchronous Fluorescence Heterospectral Two-Dimensional Correlation Analyses on the Binding Characteristics of Copper onto Dissolved Organic Matter. <i>Environmental Science & Technology</i> , 2015, 49, 2052-2058. | 10.0 | 389 |
| 49 | Probing the roles of Ca ²⁺ and Mg ²⁺ in humic acids-induced ultrafiltration membrane fouling using an integrated approach. <i>Water Research</i> , 2015, 81, 325-332. | 11.3 | 94 |
| 50 | An UV-vis spectroelectrochemical approach for rapid detection of phenazines and exploration of their redox characteristics. <i>Biosensors and Bioelectronics</i> , 2015, 64, 25-29. | 10.1 | 29 |
| 51 | Two-Dimensional Correlation Spectroscopic Analysis on the Interaction between Humic Acids and TiO ₂ Nanoparticles. <i>Environmental Science & Technology</i> , 2014, 48, 11119-11126. | 10.0 | 166 |