# Mengjun Chen

List of Publications by Year
in descending order

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Version: 2024-02-01

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|---|---|---|---|
| 91 papers | 3,494 citations | 126907 33 h-index | 149698 56 g-index |
| 97 all docs | 97 docs citations | 97 times ranked | 3036 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Enhanced removal of Pb from electrolytic manganese anode slime and preparation of chemical MnO<sub>2</sub>. Environmental Technology (United Kingdom), 2023, 44, 3741-3750. | 2.2 | 2 |
| 2 | Synergistic solidification/stabilization of electrolytic manganese residue and carbide slag. Science of the Total Environment, 2022, 810, 152175. | 8.0 | 27 |
| 3 | Electronic Metalâ€“Support Interaction Modulation of Singleâ€Atom Electrocatalysts for Rechargeable Zincâ€“Air Batteries. Small Methods, 2022, 6, e2100947. | 8.6 | 29 |
| 4 | Toxic footprint and materials profile of electronic components in printed circuit boards. Waste Management, 2022, 141, 154-162. | 7.4 | 4 |
| 5 | Electrolytic manganese residue disposal based on basic burning raw material: Heavy metals solidification/stabilization and long-term stability. Science of the Total Environment, 2022, 825, 153774. | 8.0 | 19 |
| 6 | Gold Fractal Growth during Its Recycling from Waste Printed Circuit Boards by Slurry Electrolysis. ACS Sustainable Chemistry and Engineering, 2022, 10, 5183-5194. | 6.7 | 5 |
| 7 | Acid-Free Leaching Nickel, Cobalt, Manganese, and Lithium from Spent Lithium-Ion Batteries Using Fe(II) and Fe(III) Solution. Journal of Sustainable Metallurgy, 2022, 8, 863-871. | 2.3 | 3 |
| 8 | A semi-scaled experiment for metals separating and recovering from waste printed circuit boards by slurry electrolysis. Chemical Engineering Research and Design, 2021, 147, 37-44. | 5.6 | 25 |
| 9 | Cobalt and lithium leaching from waste lithium ion batteries by glycine. Journal of Power Sources, 2021, 482, 228942. | 7.8 | 43 |
| 10 | Metal mobility and toxicity of reclaimed copper smelting fly ash and smelting slag. RSC Advances, 2021, 11, 6877-6884. | 3.6 | 7 |
| 11 | Zero E-waste: Regulatory impediments and blockchain imperatives. Frontiers of Environmental Science and Engineering, 2021, 15, 1. | 6.0 | 29 |
| 12 | Copper fractal growth during recycling from waste printed circuit boards by slurry electrolysis. Frontiers of Environmental Science and Engineering, 2021, 15, 1. | 6.0 | 4 |
| 13 | Enhanced leaching of manganese from low-grade pyrolusite using ball milling and electric field. Ecotoxicology and Environmental Safety, 2021, 211, 111893. | 6.0 | 19 |
| 14 | Comparative effectiveness of technical and regulatory innovations to reduce the burden of electronic waste. Resources, Conservation and Recycling, 2021, 167, 105387. | 10.8 | 5 |
| 15 | Seasonal Variation of the Mobility and Toxicity of Metals in Beijingâ€™s Municipal Solid Waste Incineration Fly Ash. Sustainability, 2021, 13, 6532. | 3.2 | 2 |
| 16 | A critical review on approaches for electrolytic manganese residue treatment and disposal technology: Reduction, pretreatment, and reuse. Journal of Hazardous Materials, 2021, 418, 126235. | 12.4 | 60 |
| 17 | Enhanced recovery of copper from reclaimed copper smelting fly ash via leaching and electrowinning processes. Separation and Purification Technology, 2021, 273, 118943. | 7.9 | 14 |
| 18 | Recovery of high purity copper from waste printed circuit boards of mobile phones by slurry electrolysis with ammonia-ammonium system. Separation and Purification Technology, 2021, 275, 119180. | 7.9 | 27 |

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|---|---|---|---|
| 19 | Hydroxylation of electrolytic manganese anode slime with EDTA-2Na and its adsorption of methylene blue. Separation and Purification Technology, 2021, 278, 119526. | 7.9 | 14 |
| 20 | Waste Electrical and Electronic Equipment Reutilization in China. Sustainability, 2021, 13, 11433. | 3.2 | 7 |
| 21 | Metalâ€“Organic Gels from Silver Nanoclusters with Aggregationâ€Induced Emission and Fluorescenceâ€toâ€Phosphorescence Switching. Angewandte Chemie - International Edition, 2020, 59, 9922-9927. | 13.8 | 138 |
| 22 | Metalâ€“Organic Gels from Silver Nanoclusters with Aggregationâ€Induced Emission and Fluorescenceâ€toâ€Phosphorescence Switching. Angewandte Chemie, 2020, 132, 10008-10013. | 2.0 | 14 |
| 23 | The inappropriate application of the regression Langmuir Qm for adsorption capacity comparison. Science of the Total Environment, 2020, 699, 134222. | 8.0 | 21 |
| 24 | A novel and efficient ammonia leaching method for recycling waste lithium ion batteries. Journal of Cleaner Production, 2020, 251, 119665. | 9.3 | 56 |
| 25 | Sol-gel hydrothermal synthesis of nano crystalline silicotitanate and its strontium and cesium adsorption. Environmental Science and Pollution Research, 2020, 27, 4404-4413. | 5.3 | 8 |
| 26 | Magnetic and Biocompatible Fullerenol/Fe(III) Microcapsules with Antioxidant Activities. ACS Applied Bio Materials, 2020, 3, 358-368. | 4.6 | 7 |
| 27 | A new electrochemical method for simultaneous removal of Mn2+and NH4+-N in wastewater with Cu plate as cathode. Ecotoxicology and Environmental Safety, 2020, 206, 111341. | 6.0 | 8 |
| 28 | Metal mobility and toxicity of zinc hydrometallurgical residues. Chemical Engineering Research and Design, 2020, 144, 366-371. | 5.6 | 18 |
| 29 | Copper extraction from waste printed circuit boards by glycine. Separation and Purification Technology, 2020, 253, 117463. | 7.9 | 39 |
| 30 | A low cost of phosphate-based binder for Mn2+ and NH4+-N simultaneous stabilization in electrolytic manganese residue. Ecotoxicology and Environmental Safety, 2020, 205, 111317. | 6.0 | 19 |
| 31 | MnO<sub>2</sub>-Functionalized Amorphous Carbon Sorbents from Spent Lithium-Ion Batteries for Highly Efficient Removal of Cadmium from Aqueous Solutions. Industrial & Engineering Chemistry Research, 2020, 59, 10210-10220. | 3.7 | 33 |
| 32 | Self-Stabilized Giant Aggregates in Water from Room-Temperature Ionic Liquids with an Asymmetric Polarâ€“Apolarâ€“Polar Architecture. Journal of Physical Chemistry B, 2020, 124, 4651-4660. | 2.6 | 0 |
| 33 | Heavy Metals Removing from Municipal Solid Waste Incineration Fly Ashes by Electric Field-Enhanced Washing. Materials, 2020, 13, 793. | 2.9 | 11 |
| 34 | An innovative method for manganese (Mn2+) and ammonia nitrogen (NH4+-N) stabilization/solidification in electrolytic manganese residue by basic burning raw material. Chemosphere, 2020, 253, 126896. | 8.2 | 38 |
| 35 | Manganese and ammonia nitrogen recovery from electrolytic manganese residue by electric field enhanced leaching. Journal of Cleaner Production, 2019, 236, 117708. | 9.3 | 61 |
| 36 | Effect of electrolyte reuse on metal recovery from waste CPU slots by slurry electrolysis. Waste Management, 2019, 95, 370-376. | 7.4 | 29 |

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| 37 | Effect of ionic liquid [MIm]HSO4 on WPCB metal-enriched scraps refined by slurry electrolysis. Environmental Science and Pollution Research, 2019, 26, 33260-33268. | 5.3 | 15 |
| 38 | Simultaneous optimizing removal of manganese and ammonia nitrogen from electrolytic metal manganese residue leachate using chemical equilibrium model. Ecotoxicology and Environmental Safety, 2019, 172, 273-280. | 6.0 | 37 |
| 39 | Guanosine-based thermotropic liquid crystals with tunable phase structures and ion-responsive properties. Journal of Colloid and Interface Science, 2019, 553, 269-279. | 9.4 | 19 |
| 40 | Fullerene-Directed Synthesis of Flowerlike Cu<sub>3</sub>(PO<sub>4</sub>)<sub>2</sub> Crystals for Efficient Photocatalytic Degradation of Dyes. Langmuir, 2019, 35, 8806-8815. | 3.5 | 22 |
| 41 | An innovative method for synergistic stabilization/solidification of Mn2+, NH4+-N, PO43â‾ and Fâ‾ in electrolytic manganese residue and phosphogypsum. Journal of Hazardous Materials, 2019, 376, 212-222. | 12.4 | 70 |
| 42 | Aggregation Behavior and Antioxidant Properties of Amphiphilic Fullerene C<sub>60</sub> Derivatives Cofunctionalized with Cationic and Nonionic Hydrophilic Groups. Langmuir, 2019, 35, 6939-6949. | 3.5 | 21 |
| 43 | The leaching behaviour of Cu, Zn and Pb from waste printed circuit boards by [BSO<SUB align="right">4HPy]HSO<SUB align="right">4. International Journal of Environment and Pollution, 2019, 65, 267. | 0.2 | 0 |
| 44 | Copper and gold recovery from CPU sockets by one-step slurry electrolysis. Journal of Cleaner Production, 2019, 213, 673-679. | 9.3 | 60 |
| 45 | Enhanced electrokinetic remediation of manganese and ammonia nitrogen from electrolytic manganese residue using pulsed electric field in different enhancement agents. Ecotoxicology and Environmental Safety, 2019, 171, 523-529. | 6.0 | 42 |
| 46 | Fractional removal of manganese and ammonia nitrogen from electrolytic metal manganese residue leachate using carbonate and struvite precipitation. Water Research, 2019, 153, 229-238. | 11.3 | 143 |
| 47 | Effect of hydrothermal carbonization on heavy metals in swine manure: Speciation, bioavailability and environmental risk. Journal of Environmental Management, 2019, 234, 97-103. | 7.8 | 67 |
| 48 | Cathode ray tubes glass recycling: A review. Science of the Total Environment, 2019, 650, 2842-2849. | 8.0 | 34 |
| 49 | Recovery of copper from WPCBs using slurry electrolysis with ionic liquid [BSO3HPy]â‾™HSO4. Hydrometallurgy, 2018, 175, 150-154. | 4.3 | 52 |
| 50 | Simultaneous stabilization/solidification of Mn2+ and NH4+-N from electrolytic manganese residue using MgO and different phosphate resource. Ecotoxicology and Environmental Safety, 2018, 148, 220-227. | 6.0 | 58 |
| 51 | Application of critical water-alcohol composite medium to treat waste printed circuit boards: Oil phase products characteristic and debromination. Journal of Hazardous Materials, 2018, 344, 333-342. | 12.4 | 41 |
| 52 | Hierarchically Organized Honeycomb Films Based on the Self-Assembly of Fulleromonodendrons. Journal of Physical Chemistry C, 2018, 122, 24851-24862. | 3.1 | 4 |
| 53 | Preparation and Self-Assembly of a 2:1 Polyoxometalate-Fullerene C60 Shape Amphiphile. European Journal of Inorganic Chemistry, 2018, 2018, 4255-4264. | 2.0 | 6 |
| 54 | Adsorption of Cadmium on Degraded Soils Amended with Maize-Stalk-Derived Biochar. International Journal of Environmental Research and Public Health, 2018, 15, 2331. | 2.6 | 10 |

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|---|---|---|---|
| 55 | Aggregationâ€Induced Emission of Eu<sup>III</sup> Complexes Balanced with Bulky and Amphiphilic Imidazolium Cations in Ethanol/Water Binary Mixtures. Chemistry - A European Journal, 2018, 24, 15912-15920. | 3.3 | 21 |
| 56 | Metal-Organic Gels of Catechol-Based Ligands with Ni(II) Acetate for Dye Adsorption. Langmuir, 2018, 34, 9435-9441. | 3.5 | 22 |
| 57 | Impact of technological innovation and regulation development on e-waste toxicity: a case study of waste mobile phones. Scientific Reports, 2018, 8, 7100. | 3.3 | 33 |
| 58 | China E-waste management: Struggling for future success. Resources, Conservation and Recycling, 2018, 139, 48-49. | 10.8 | 25 |
| 59 | Fullerenols Revisited: Highly Monodispersed Photoluminescent Nanomaterials as Ideal Building Blocks for Supramolecular Chemistry. Chemistry - A European Journal, 2018, 24, 16609-16619. | 3.3 | 17 |
| 60 | Completely separating metals and nonmetals from waste printed circuit boards by slurry electrolysis. Separation and Purification Technology, 2018, 205, 302-307. | 7.9 | 29 |
| 61 | Photoluminescent Honeycomb Structures from Polyoxometalates and an Imidazoliumâ€Based Ionic Liquid Bearing a Ï€â€Conjugated Moiety and a Branched Aliphatic Chain. Chemistry - A European Journal, 2017, 23, 7278-7286. | 3.3 | 10 |
| 62 | Superfine copper powders recycled from concentrated metal scraps of waste printed circuit boards by slurry electrolysis. Journal of Cleaner Production, 2017, 152, 1-6. | 9.3 | 56 |
| 63 | Copper recovery from waste printed circuit boards concentrated metal scraps by electrolysis. Frontiers of Environmental Science and Engineering, 2017, 11, 1. | 6.0 | 9 |
| 64 | Zero-charged catanionic lamellar liquid crystals doped with fullerene C<sub>60</sub> for potential applications in tribology. Soft Matter, 2017, 13, 6250-6258. | 2.7 | 13 |
| 65 | A novel recovery method of copper from waste printed circuit boards by supercritical methanol process: Preparation of ultrafine copper materials. Waste Management, 2017, 60, 643-651. | 7.4 | 53 |
| 66 | Adsorption Kinetics of <sup>137</sup>Cs<sup>+</sup>/<sup>90</sup>Sr<sup>2+</sup> on Caâ€Bentonite. Water Environment Research, 2017, 89, 791-797. | 2.7 | 5 |
| 67 | Naphthaleneâ€Functionalized, Photoluminescent Room Temperature Ionic Liquids Bearing Small Counterions. Chemistry - A European Journal, 2016, 22, 6286-6293. | 3.3 | 16 |
| 68 | Properties and ionic self-assembled structures from mixture of a bola-type strong alkali dication and a branched phosphoric acid. Journal of Colloid and Interface Science, 2016, 472, 157-166. | 9.4 | 9 |
| 69 | Robust onionlike structures with magnetic and photodynamic properties formed by a fullerene C<sub>60</sub>â€“POM hybrid. Chemical Communications, 2016, 52, 12171-12174. | 4.1 | 20 |
| 70 | Evolution of electronic waste toxicity: Trends in innovation and regulation. Environment International, 2016, 89-90, 147-154. | 10.0 | 59 |
| 71 | Self-Organization and Vesicle Formation of Amphiphilic Fulleromonodendrons Bearing Oligo(poly(ethylene oxide)) Chains. Langmuir, 2016, 32, 2338-2347. | 3.5 | 17 |
| 72 | Phenolic endocrine disrupting chemicals in an urban receiving river (Panlong river) of Yunnanâ€“Guizhou plateau: Occurrence, bioaccumulation and sources. Ecotoxicology and Environmental Safety, 2016, 128, 133-142. | 6.0 | 45 |

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|---|---|---|---|
| 73 | Lead during the leaching process of copper from waste printed circuit boards by five typical ionic liquid acids. Journal of Cleaner Production, 2015, 95, 142-147. | 9.3 | 59 |
| 74 | â€œControl-Alt-Deleteâ€• Rebooting Solutions for the E-Waste Problem. Environmental Science & Technology, 2015, 49, 7095-7108. | 10.0 | 198 |
| 75 | Leaching assessments of toxic metals in waste plasma display panel glass. Journal of the Air and Waste Management Association, 2015, 65, 743-750. | 1.9 | 1 |
| 76 | Preliminary study on removing Cs+/Sr2+ by activated porous calcium silicateâ€”A by-product from high-alumina fly ash recycling industry. Journal of the Air and Waste Management Association, 2015, 65, 99-105. | 1.9 | 2 |
| 77 | Micro-copper powders recovered from waste printed circuit boards by electrolysis. Hydrometallurgy, 2015, 156, 152-157. | 4.3 | 52 |
| 78 | Polychlorinated biphenyls and organochlorine pesticides in atmospheric particulate matter of Northern China: distribution, sources, and risk assessment. Environmental Science and Pollution Research, 2015, 22, 17171-17181. | 5.3 | 17 |
| 79 | Comparative study on copper leaching from waste printed circuit boards by typical ionic liquid acids. Waste Management, 2015, 41, 142-147. | 7.4 | 101 |
| 80 | Self-Assembly and Rheological Properties of a Pseudogemini Surfactant Formed in a Salt-Free Catanionic Surfactant Mixture in Water. Langmuir, 2015, 31, 11209-11219. | 3.5 | 36 |
| 81 | Behaviour of zinc during the process of leaching copper from WPCBs by typical acidic ionic liquids. RSC Advances, 2015, 5, 34921-34926. | 3.6 | 17 |
| 82 | Electrokinetic removal of Cu and Zn in anaerobic digestate: Interrelation between metal speciation and electrokinetic treatments. Journal of Hazardous Materials, 2015, 286, 118-126. | 12.4 | 23 |
| 83 | Bioleaching waste printed circuit boards by Acidithiobacillus ferrooxidans and its kinetics aspect. Journal of Biotechnology, 2014, 173, 24-30. | 3.8 | 116 |
| 84 | Leaching behavior of copper from waste printed circuit boards with BrÃ¸nsted acidic ionic liquid. Waste Management, 2014, 34, 483-488. | 7.4 | 131 |
| 85 | Electronic Waste Disassembly with Industrial Waste Heat. Environmental Science & Technology, 2013, 47, 12409-12416. | 10.0 | 61 |
| 86 | Potential Environmental and Human Health Impacts of Rechargeable Lithium Batteries in Electronic Waste. Environmental Science & Technology, 2013, 47, 5495-5503. | 10.0 | 371 |
| 87 | Leaching Study of Spent Li-ion Batteries. Procedia Environmental Sciences, 2012, 16, 443-450. | 1.4 | 65 |
| 88 | Effective utilization of waste cathode ray tube glassâ€”Crystalline silicotitanate synthesis. Journal of Hazardous Materials, 2010, 182, 45-49. | 12.4 | 17 |
| 89 | Typical pollutants in bottom ashes from a typical medical waste incinerator. Journal of Hazardous Materials, 2010, 173, 181-185. | 12.4 | 66 |
| 90 | Lead recovery and the feasibility of foam glass production from funnel glass of dismantled cathode ray tube through pyrovacuum process. Journal of Hazardous Materials, 2009, 161, 1109-1113. | 12.4 | 119 |

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|---|---|---|---|
| 91 | Detoxification of cathode ray tube glass by self-propagating process. Journal of Hazardous Materials, 2009, 165, 980-986. | 12.4 | 30 |