

Wei-Sheng Chen

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Recovery of Valuable Metals from Lithium-Ion Batteries NMC Cathode Waste Materials by Hydrometallurgical Methods. <i>Metals</i> , 2018, 8, 321. | 2.3 | 106 |
| 2 | Recovery Zinc and Manganese from Spent Battery Powder by Hydrometallurgical Route. <i>Energy Procedia</i> , 2017, 107, 167-174. | 1.8 | 47 |
| 3 | Recovery of Rubidium and Cesium Resources from Brine of Desalination through t-BAMBP Extraction. <i>Metals</i> , 2020, 10, 607. | 2.3 | 26 |
| 4 | Modified Activated Carbon for Copper Ion Removal from Aqueous Solution. <i>Processes</i> , 2022, 10, 150. | 2.8 | 26 |
| 5 | Recovery of Valuable Materials from the Waste Crystalline-Silicon Photovoltaic Cell and Ribbon. <i>Processes</i> , 2021, 9, 712. | 2.8 | 20 |
| 6 | Hydrometallurgical Process for Tantalum Recovery from Epoxy-Coated Solid Electrolyte Tantalum Capacitors. <i>Materials</i> , 2019, 12, 1220. | 2.9 | 18 |
| 7 | Recovery and Separation of Valuable Metals from Cathode Materials of Spent Lithium-Ion Batteries (LIBs) by Ion Exchange. <i>Science of Advanced Materials</i> , 2017, 9, 2155-2160. | 0.7 | 18 |
| 8 | High-yield recycling and recovery of copper, indium, and gallium from waste copper indium gallium selenide thin-film solar panels. <i>Solar Energy Materials and Solar Cells</i> , 2022, 241, 111691. | 6.2 | 18 |
| 9 | Mechanical and Dielectric Properties of NiZn Ferrite Powders-CTBN Modified Epoxy Resin Coatings. <i>Polymer-Plastics Technology and Engineering</i> , 2011, 50, 568-572. | 1.9 | 13 |
| 10 | Purification of Lithium Carbonate from Sulphate Solutions through Hydrogenation Using the Dowex G26 Resin. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 2252. | 2.5 | 11 |
| 11 | Recovery of Alkaline Earth Metals from Desalination Brine for Carbon Capture and Sodium Removal. <i>Water (Switzerland)</i> , 2021, 13, 3463. | 2.7 | 10 |
| 12 | The Photocatalytic Performance of Ag-Decorated SiO ₂ Nanoparticles (NPs) and Binding Ability between Ag NPs and Modifiers. <i>Coatings</i> , 2022, 12, 146. | 2.6 | 7 |
| 13 | Hydrometallurgical Recovery of Iron, Nickel, and Chromium from Stainless Steel Sludge with Emphasis on Solvent Extraction and Chemical Precipitation. <i>Processes</i> , 2022, 10, 748. | 2.8 | 7 |
| 14 | The Separation of Indium and Copper from Spent Cu-In Targets. <i>International Journal of Applied Ceramic Technology</i> , 2016, 13, 274-279. | 2.1 | 6 |
| 15 | Recovery of Gallium from Simulated GaAs Waste Etching Solutions by Solvent Extraction. <i>Sustainability</i> , 2020, 12, 1765. | 3.2 | 5 |
| 16 | Recovery of Tantalum and Manganese from Epoxy-Coated Solid Electrolyte Tantalum Capacitors through Selective Leaching and Chlorination Processes. <i>Materials</i> , 2022, 15, 656. | 2.9 | 5 |
| 17 | RECOVERY OF SILICON, COPPER AND ALUMINUM FROM SCRAP SILICON WAFERS BY LEACHING AND PRECIPITATION. <i>Environmental Engineering and Management Journal</i> , 2018, 17, 561-568. | 0.6 | 4 |
| 18 | Recovery of cupric oxide from copper-containing wastewater sludge by acid leaching and ammonia purification process. <i>Desalination and Water Treatment</i> , 2012, 47, 120-129. | 1.0 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Recovery of Gallium and Indium from Waste Light Emitting Diodes. Journal of the Korean Institute of Resources Recycling, 2020, 29, 81-88. | 0.4 | 2 |
| 20 | Separation of Cerium Oxide Abrasive and Glass Powder in an Abrasive-Glass Polishing Waste by Means of Liquid-Liquid Powder Extraction Method for Recovery: A Comparison of Using a Cationic and an Anionic Surfactant Collector. Sustainability, 2020, 12, 4662. | 3.2 | 1 |
| 21 | Recycling Vanadium and Proton-Exchange Membranes from Waste Vanadium Flow Batteries through Ion Exchange and Recast Methods. Materials, 2022, 15, 3749. | 2.9 | 1 |
| 22 | Separation of Sn, Sb, Bi, and Cu from Tin Anode Slime by Solvent Extraction and Chemical Precipitation. Metals, 2021, 11, 515. | 2.3 | 0 |