

Jinhui Li

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

219
papers

10,236
citations

57
h-index

92
g-index

231
ext. papers

12,415
ext. citations

8.1
avg, IF

7.17
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 219 | Remediation of lead-contaminated soil by washing with choline chloride-based deep eutectic solvents. <i>Chemical Engineering Research and Design</i> , 2022 , 160, 650-650 | 5.5 | 0 |
| 218 | Unveiling characteristics and trend of zero waste research: a scientometric perspective.. <i>Environmental Science and Pollution Research</i> , 2022 , 1 | 5.1 | 0 |
| 217 | In-situ enhanced catalytic reforming behavior of cobalt-based materials with inherent zero-valent aluminum in spent lithium ion batteries. <i>Applied Catalysis B: Environmental</i> , 2022 , 303, 120920 | 21.8 | 2 |
| 216 | The role of China's aluminum recycling on sustainable resource and emission pathways. <i>Resources Policy</i> , 2022 , 76, 102552 | 7.2 | 2 |
| 215 | Composition changes, releases, and potential exposure risk of PBDEs from typical E-waste plastics. <i>Journal of Hazardous Materials</i> , 2022 , 424, 127227 | 12.8 | 0 |
| 214 | Reshaping global policies for circular economy 2022 , 100003 | | 1 |
| 213 | An overview of global power lithium-ion batteries and associated critical metal recycling.. <i>Journal of Hazardous Materials</i> , 2021 , 425, 127900 | 12.8 | 17 |
| 212 | Unveiling Sodium Ion Pollution in Spray-Dried Precursors and Its Implications for the Green Upcycling of Spent Lithium-Ion Batteries. <i>Environmental Science & Technology</i> , 2021 , 55, 14897-14905 | 10.3 | 4 |
| 211 | Zero waste approach towards a sustainable waste management. <i>Resources, Environment and Sustainability</i> , 2021 , 3, 100014 | 3.2 | 14 |
| 210 | Repercussions of COVID-19 pandemic on solid waste generation and management strategies. <i>Frontiers of Environmental Science and Engineering</i> , 2021 , 15, 115 | 5.8 | 28 |
| 209 | Emerging anthropogenic circularity science: principles, practices, and challenges. <i>IScience</i> , 2021 , 24, 102237 | 3.7 | 9 |
| 208 | Uncovering the evolution of tin use in the United States and its implications. <i>Frontiers of Environmental Science and Engineering</i> , 2021 , 15, 1 | 5.8 | 1 |
| 207 | Tracing the global tin flow network: highly concentrated production and consumption. <i>Resources, Conservation and Recycling</i> , 2021 , 169, 105495 | 11.9 | 3 |
| 206 | The impact of China's import ban on global copper scrap flow network and the domestic copper sustainability. <i>Resources, Conservation and Recycling</i> , 2021 , 169, 105525 | 11.9 | 2 |
| 205 | Quantifying material flow of oily sludge in China and its implications. <i>Journal of Environmental Management</i> , 2021 , 287, 112115 | 7.9 | 4 |
| 204 | Uncovering residents and restaurants' attitude and willingness toward effective food waste management: A case study of Macau. <i>Waste Management</i> , 2021 , 130, 107-116 | 8.6 | 4 |
| 203 | Selective regeneration of lithium from spent lithium-ion batteries using ionic substitution stimulated by mechanochemistry. <i>Journal of Cleaner Production</i> , 2021 , 279, 123612 | 10.3 | 9 |

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| 202 | Single-use plastics: Production, usage, disposal, and adverse impacts. <i>Science of the Total Environment</i> , 2021 , 752, 141772 | 10.2 | 93 |
| 201 | High-value utilization of graphite electrodes in spent lithium-ion batteries: From 3D waste graphite to 2D graphene oxide. <i>Journal of Hazardous Materials</i> , 2021 , 401, 123715 | 12.8 | 27 |
| 200 | An analysis of the plastic waste trade and management in Asia. <i>Waste Management</i> , 2021 , 119, 242-253 | 8.6 | 52 |
| 199 | Estimation of waste outflows for multiple product types in China from 2010-2050. <i>Scientific Data</i> , 2021 , 8, 15 | 8.2 | 2 |
| 198 | Converting spent lithium cobalt oxide battery cathode materials into high-value products via a mechanochemical extraction and thermal reduction route. <i>Journal of Hazardous Materials</i> , 2021 , 413, 125222 | 12.8 | 12 |
| 197 | Mapping Recyclability of Industrial Waste for Anthropogenic Circularity: A Circular Economy Approach. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 11927-11936 | 8.3 | 7 |
| 196 | Identifying the lifecycle ODP and GWP effects of the refrigerants from household air-conditioners in Macau. <i>Environmental Impact Assessment Review</i> , 2021 , 90, 106639 | 5.3 | |
| 195 | Selective extraction of lithium from a spent lithium iron phosphate battery by mechanochemical solid-phase oxidation. <i>Green Chemistry</i> , 2021 , 23, 1344-1352 | 10 | 11 |
| 194 | Mapping anthropogenic mineral generation in China and its implications for a circular economy. <i>Nature Communications</i> , 2020 , 11, 1544 | 17.4 | 31 |
| 193 | Trends of production, consumption and environmental emissions of Decabromodiphenyl ether in mainland China. <i>Environmental Pollution</i> , 2020 , 260, 114022 | 9.3 | 15 |
| 192 | From Lead Paste to High-Value Nanolead Sulfide Products: A New Application of Mechanochemistry in the Recycling of Spent Lead-Acid Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 3547-3552 | 8.3 | 7 |
| 191 | Revealing the Dissolution Mechanism of Polyvinylidene Fluoride of Spent Lithium-Ion Batteries in Waste Oil-Based Methyl Ester Solvent. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 7489-7496 | 8.3 | 10 |
| 190 | Eco-districts in France: What tools to ensure goals achievement?. <i>Science China Earth Sciences</i> , 2020 , 63, 865-874 | 4.6 | 2 |
| 189 | A method to assess national metal criticality: the environment as a foremost measurement. <i>Humanities and Social Sciences Communications</i> , 2020 , 7, | 2.8 | 4 |
| 188 | Transfer of POP-BFRs within e-waste plastics in recycling streams in China. <i>Science of the Total Environment</i> , 2020 , 717, 135003 | 10.2 | 6 |
| 187 | An innovative method of recycling metals in printed circuit board (PCB) using solutions from PCB production. <i>Journal of Hazardous Materials</i> , 2020 , 390, 121892 | 12.8 | 15 |
| 186 | Alkali metal bifunctional catalyst-sorbents enabled biomass pyrolysis for enhanced hydrogen production. <i>Renewable Energy</i> , 2020 , 148, 168-175 | 8.1 | 17 |
| 185 | Uncovering residents' behaviors, attitudes, and WTP for recycling e-waste: a case study of Zhuhai city, China. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 2386-2399 | 5.1 | 12 |

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| 184 | Human exposure to PBDEs in e-waste areas: A review. <i>Environmental Pollution</i> , 2020 , 267, 115634 | 9.3 | 25 |
| 183 | Exploring a green route for recycling spent lithium-ion batteries: Revealing and solving deep screening problem. <i>Journal of Cleaner Production</i> , 2020 , 255, 120269 | 10.3 | 18 |
| 182 | Biotechnological Potential for Microplastic Waste. <i>Trends in Biotechnology</i> , 2020 , 38, 1196-1199 | 15.1 | 3 |
| 181 | Uncovering material flow analysis of waste cathode ray tubes television in China. <i>Waste Management and Research</i> , 2019 , 37, 1170-1177 | 4 | 6 |
| 180 | Mineral processing simulation based-environmental life cycle assessment for rare earth project development: A case study on the Songwe Hill project. <i>Journal of Environmental Management</i> , 2019 , 249, 109353 | 7.9 | 14 |
| 179 | Environmental optimisation of mine scheduling through life cycle assessment integration. <i>Resources, Conservation and Recycling</i> , 2019 , 142, 267-276 | 11.9 | 17 |
| 178 | Occurrence, levels and profiles of brominated flame retardants in daily-use consumer products on the Chinese market. <i>Environmental Sciences: Processes and Impacts</i> , 2019 , 21, 446-455 | 4.3 | 11 |
| 177 | Temporally explicit life cycle assessment as an environmental performance decision making tool in rare earth project development. <i>Minerals Engineering</i> , 2019 , 135, 64-73 | 4.9 | 15 |
| 176 | Efficient Separation of Aluminum Foil and Cathode Materials from Spent Lithium-Ion Batteries Using a Low-Temperature Molten Salt. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 8287-8294 | 8.3 | 46 |
| 175 | Sustainable Bioprospecting of Electronic Waste. <i>Trends in Biotechnology</i> , 2019 , 37, 677-680 | 15.1 | 8 |
| 174 | Forecasting the temporal stock generation and recycling potential of metals towards a sustainable future: The case of gallium in China. <i>Science of the Total Environment</i> , 2019 , 689, 332-340 | 10.2 | 13 |
| 173 | Toxicity trends in E-Waste: A comparative analysis of metals in discarded mobile phones. <i>Journal of Hazardous Materials</i> , 2019 , 380, 120898 | 12.8 | 32 |
| 172 | WEEE management in China 2019 , 521-540 | | 1 |
| 171 | A Facile, Environmentally Friendly, and Low-Temperature Approach for Decomposition of Polyvinylidene Fluoride from the Cathode Electrode of Spent Lithium-ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 12799-12806 | 8.3 | 34 |
| 170 | Acid-Free and Selective Extraction of Lithium from Spent Lithium Iron Phosphate Batteries via a Mechanochemically Induced Isomorphic Substitution. <i>Environmental Science & Technology</i> , 2019 , 53, 9781-9788 | 10.3 | 49 |
| 169 | A low-toxicity and high-efficiency deep eutectic solvent for the separation of aluminum foil and cathode materials from spent lithium-ion batteries. <i>Journal of Hazardous Materials</i> , 2019 , 380, 120846 | 12.8 | 49 |
| 168 | Examining the Temporal Demand and Sustainability of Copper in China. <i>Environmental Science & Technology</i> , 2019 , 53, 13812-13821 | 10.3 | 13 |
| 167 | Mechano-microbial systems: An ecofriendly approach for copper bioleaching from waste printed circuit board. <i>Waste Management and Research</i> , 2019 , 37, 656-661 | 4 | 4 |

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| 166 | Estimating the Evolution of Urban Mining Resources in Hong Kong, Up to the Year 2050. <i>Environmental Science & Technology</i> , 2019 , 53, 1394-1403 | 10.3 | 21 |
| 165 | Global status of recycling waste solar panels: A review. <i>Waste Management</i> , 2018 , 75, 450-458 | 8.6 | 165 |
| 164 | Adapting to new policy environment: Past pattern and future trend in us-sino waste plastic trade flow. <i>International Journal of Sustainable Development and World Ecology</i> , 2018 , 25, 703-712 | 3.8 | 3 |
| 163 | Assessing resident awareness on e-waste management in Bangalore, India: a preliminary case study. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 11163-11172 | 5.1 | 13 |
| 162 | Urban Mining of E-Waste is Becoming More Cost-Effective Than Virgin Mining. <i>Environmental Science & Technology</i> , 2018 , 52, 4835-4841 | 10.3 | 155 |
| 161 | Well-to-wheel GHG emissions and mitigation potential from light-duty vehicles in Macau. <i>International Journal of Life Cycle Assessment</i> , 2018 , 23, 1916-1927 | 4.6 | 4 |
| 160 | Kinetic studies on organic degradation and its impacts on improving methane production during anaerobic digestion of food waste. <i>Applied Energy</i> , 2018 , 213, 136-147 | 10.7 | 44 |
| 159 | Resource conservation approached with an appropriate collection and upgrade-remanufacturing for used electronic products. <i>Waste Management</i> , 2018 , 73, 78-86 | 8.6 | 15 |
| 158 | Influence of feed/inoculum ratios and waste cooking oil content on the mesophilic anaerobic digestion of food waste. <i>Waste Management</i> , 2018 , 73, 156-164 | 8.6 | 34 |
| 157 | Measuring the sustainability of tin in China. <i>Science of the Total Environment</i> , 2018 , 635, 1351-1359 | 10.2 | 17 |
| 156 | Comparative life cycle GHG emissions from local electricity generation using heavy oil, natural gas, and MSW incineration in Macau. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 81, 2450-2459 | 16.2 | 35 |
| 155 | Modelling the correlations of e-waste quantity with economic increase. <i>Science of the Total Environment</i> , 2018 , 613-614, 46-53 | 10.2 | 74 |
| 154 | Responding to China's Waste Import Ban through a New, Innovative, Cooperative Mechanism. <i>Environmental Science & Technology</i> , 2018 , 52, 7595-7597 | 10.3 | 17 |
| 153 | Chilling Prospect: Climate Change Effects of Mismanaged Refrigerants in China. <i>Environmental Science & Technology</i> , 2018 , 52, 6350-6356 | 10.3 | 10 |
| 152 | E-waste management in India: A mini-review. <i>Waste Management and Research</i> , 2018 , 36, 408-414 | 4 | 32 |
| 151 | China E-waste management: Struggling for future success. <i>Resources, Conservation and Recycling</i> , 2018 , 139, 48-49 | 11.9 | 13 |
| 150 | A critical review on the sources and instruments of marine microplastics and prospects on the relevant management in China. <i>Waste Management and Research</i> , 2018 , 36, 898-911 | 4 | 62 |
| 149 | Characterizing the Materials Composition and Recovery Potential from Waste Mobile Phones: A Comparative Evaluation of Cellular and Smart Phones. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 13016-13024 | 8.3 | 33 |

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| 148 | Environmental pollution and human body burden from improper recycling of e-waste in China: A short-review. <i>Environmental Pollution</i> , 2018 , 243, 1310-1316 | 9.3 | 62 |
| 147 | Unveiling the Role and Mechanism of Mechanochemical Activation on Lithium Cobalt Oxide Powders from Spent Lithium-Ion Batteries. <i>Environmental Science & Technology</i> , 2018 , 52, 13136-13143 | 10.3 | 54 |
| 146 | Examining the sustainability of China's nickel supply: 1950-2050. <i>Resources, Conservation and Recycling</i> , 2018 , 139, 188-193 | 11.9 | 26 |
| 145 | Characterizing the essential materials and energy performance of city buildings: A case study of Macau. <i>Journal of Cleaner Production</i> , 2018 , 194, 263-276 | 10.3 | 12 |
| 144 | Rethinking residential consumers' behavior in discarding obsolete mobile phones in China. <i>Journal of Cleaner Production</i> , 2018 , 195, 1228-1236 | 10.3 | 35 |
| 143 | Designing and examining e-waste recycling process: methodology and case studies. <i>Environmental Technology (United Kingdom)</i> , 2017 , 38, 652-660 | 2.6 | 24 |
| 142 | Green Process of Metal Recycling: Coprocessing Waste Printed Circuit Boards and Spent Tin Stripping Solution. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 3524-3534 | 8.3 | 64 |
| 141 | An efficient extraction of lead metal from waste cathode ray tubes (CRTs) through mechano-thermal process by using carbon as a reducing agent. <i>Journal of Cleaner Production</i> , 2017 , 148, 103-110 | 10.3 | 21 |
| 140 | Evaluating waste printed circuit boards recycling: Opportunities and challenges, a mini review. <i>Waste Management and Research</i> , 2017 , 35, 346-356 | 4 | 41 |
| 139 | Potential recycling availability and capacity assessment on typical metals in waste mobile phones: A current research study in China. <i>Journal of Cleaner Production</i> , 2017 , 148, 509-517 | 10.3 | 62 |
| 138 | Waste prevention for sustainable resource and waste management. <i>Journal of Material Cycles and Waste Management</i> , 2017 , 19, 1295-1313 | 3.4 | 35 |
| 137 | Na ₂ ZrO ₃ as an Effective Bifunctional Catalyst/Sorbent during Cellulose Pyrolysis. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 3223-3230 | 3.9 | 18 |
| 136 | Remanufacturing strategies: A solution for WEEE problem. <i>Journal of Cleaner Production</i> , 2017 , 149, 126-136 | 10.3 | 73 |
| 135 | A review of waste prevention through 3R under the concept of circular economy in China. <i>Journal of Material Cycles and Waste Management</i> , 2017 , 19, 1314-1323 | 3.4 | 59 |
| 134 | Effects of mechanical activation on the kinetics of terbium leaching from waste phosphors using hydrochloric acid. <i>Journal of Rare Earths</i> , 2017 , 35, 398-405 | 3.7 | 9 |
| 133 | Improvement in rare earth element recovery from waste trichromatic phosphors by mechanical activation. <i>Journal of Cleaner Production</i> , 2017 , 151, 361-370 | 10.3 | 27 |
| 132 | Management of electrical and electronic waste: A comparative evaluation of China and India. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 76, 434-447 | 16.2 | 116 |
| 131 | Effects of thermal pretreatment on degradation kinetics of organics during kitchen waste anaerobic digestion. <i>Energy</i> , 2017 , 118, 377-386 | 7.9 | 66 |

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| 130 | Towards to sustainable energy-efficient city: A case study of Macau. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 75, 504-514 | 16.2 | 30 |
| 129 | Quantifying the potential export flows of used electronic products in Macau: a case study of PCs. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 28197-28204 | 5.1 | 2 |
| 128 | An overview of the potential of eco-friendly hybrid strategy for metal recycling from WEEE. <i>Resources, Conservation and Recycling</i> , 2017 , 126, 228-239 | 11.9 | 70 |
| 127 | Recycling Tin from Electronic Waste: A Problem That Needs More Attention. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 9586-9598 | 8.3 | 43 |
| 126 | Effects of organic composition on the anaerobic biodegradability of food waste. <i>Bioresource Technology</i> , 2017 , 243, 836-845 | 11 | 25 |
| 125 | Characterization of brominated flame retardants from e-waste components in China. <i>Waste Management</i> , 2017 , 68, 498-507 | 8.6 | 31 |
| 124 | Emission characteristics of PBDEs during flame-retardant plastics extruding process: field investigation and laboratorial simulation. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 22450-22457 | 5.1 | 7 |
| 123 | A critical review on the recycling of copper and precious metals from waste printed circuit boards using hydrometallurgy. <i>Frontiers of Environmental Science and Engineering</i> , 2017 , 11, 1 | 5.8 | 32 |
| 122 | Recycling materials from waste electrical and electronic equipment. <i>Frontiers of Environmental Science and Engineering</i> , 2017 , 11, 1 | 5.8 | 3 |
| 121 | Recovery of rare and precious metals from urban mines: A review. <i>Frontiers of Environmental Science and Engineering</i> , 2017 , 11, 1 | 5.8 | 100 |
| 120 | Effects of organic composition on mesophilic anaerobic digestion of food waste. <i>Bioresource Technology</i> , 2017 , 244, 213-224 | 11 | 55 |
| 119 | Characterizing the transboundary movements of UEEE/WEEE: Is Macau a regional transfer center?. <i>Journal of Cleaner Production</i> , 2017 , 157, 243-253 | 10.3 | 9 |
| 118 | A simplified method to evaluate the recycling potential of e-waste. <i>Journal of Cleaner Production</i> , 2017 , 168, 1518-1524 | 10.3 | 21 |
| 117 | Examining environmental management of e-waste: China's experience and lessons. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 72, 1076-1082 | 16.2 | 105 |
| 116 | Enhanced recovery of rare earth elements from waste phosphors by mechanical activation. <i>Journal of Cleaner Production</i> , 2017 , 142, 2187-2191 | 10.3 | 29 |
| 115 | Innovating e-waste management: From macroscopic to microscopic scales. <i>Science of the Total Environment</i> , 2017 , 575, 1-5 | 10.2 | 130 |
| 114 | Examining the evolution of metals utilized in printed circuit boards. <i>Environmental Technology (United Kingdom)</i> , 2017 , 38, 1696-1701 | 2.6 | 19 |
| 113 | An Innovative Method for the Extraction of Metal from Waste Cathode Ray Tubes through a Mechanochemical Process Using 2-[Bis(carboxymethyl)amino]acetic Acid Chelating Reagent. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 4704-4709 | 8.3 | 17 |

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| 112 | Assessing the sustainability of lead utilization in China. <i>Journal of Environmental Management</i> , 2016 , 183, 275-279 | 7.9 | 12 |
| 111 | Waste electrical and electronic equipment management and Basel Convention compliance in Brazil, Russia, India, China and South Africa (BRICS) nations. <i>Waste Management and Research</i> , 2016 , 34, 693-707 | | 50 |
| 110 | Comparative Examining and Analysis of E-waste Recycling in Typical Developing and Developed Countries. <i>Procedia Environmental Sciences</i> , 2016 , 35, 676-680 | | 22 |
| 109 | Exploring residents' attitudes and willingness to pay for solid waste management in Macau. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 16456-62 | 5.1 | 32 |
| 108 | Measuring the recyclability of e-waste: an innovative method and its implications. <i>Journal of Cleaner Production</i> , 2016 , 131, 156-162 | 10.3 | 84 |
| 107 | An overall Solution to Cathode-Ray Tube (CRT) Glass Recycling. <i>Procedia Environmental Sciences</i> , 2016 , 31, 887-896 | | 9 |
| 106 | Potential mercury emissions from fluorescent lamps production and obsolescence in mainland China. <i>Waste Management and Research</i> , 2016 , 34, 67-74 | 4 | 7 |
| 105 | Environmental pollution of electronic waste recycling in India: A critical review. <i>Environmental Pollution</i> , 2016 , 211, 259-70 | 9.3 | 198 |
| 104 | Measuring treatment costs of typical waste electrical and electronic equipment: A pre-research for Chinese policy making. <i>Waste Management</i> , 2016 , 57, 36-45 | 8.6 | 19 |
| 103 | Rethinking China's strategic mineral policy on indium: implication for the flat screens and photovoltaic industries. <i>Progress in Photovoltaics: Research and Applications</i> , 2016 , 24, 83-93 | 6.8 | 21 |
| 102 | Relationship between e-waste recycling and human health risk in India: a critical review. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 11509-32 | 5.1 | 64 |
| 101 | Enhanced split-phase resource utilization of kitchen waste by thermal pre-treatment. <i>Energy</i> , 2016 , 98, 155-167 | 7.9 | 25 |
| 100 | Enhanced nitrogen distribution and biomethanation of kitchen waste by thermal pre-treatment. <i>Renewable Energy</i> , 2016 , 89, 380-388 | 8.1 | 15 |
| 99 | Uncovering the Recycling Potential of "New" WEEE in China. <i>Environmental Science & Technology</i> , 2016 , 50, 1347-58 | 10.3 | 193 |
| 98 | Examining regeneration technologies for etching solutions: a critical analysis of the characteristics and potentials. <i>Journal of Cleaner Production</i> , 2016 , 113, 973-980 | 10.3 | 25 |
| 97 | Measuring the generation and management status of waste office equipment in China: a case study of waste printers. <i>Journal of Cleaner Production</i> , 2016 , 112, 4461-4468 | 10.3 | 35 |
| 96 | Systematic characterization of generation and management of e-waste in China. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 1929-43 | 5.1 | 56 |
| 95 | Response to "Letter to the editor re: Awasthi et al., 2016 (Environ Sci Pollut Res 23(12): 11509-11532)". <i>Environmental Science and Pollution Research</i> , 2016 , 23, 25512-25514 | 5.1 | |

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| 94 | Innovative Application of Mechanical Activation for Rare Earth Elements Recovering: Process Optimization and Mechanism Exploration. <i>Scientific Reports</i> , 2016 , 6, 19961 | 4.9 | 33 |
| 93 | Effects of thermal pretreatment on the biomethane yield and hydrolysis rate of kitchen waste. <i>Applied Energy</i> , 2016 , 172, 47-58 | 10.7 | 100 |
| 92 | Current Status and Future Perspective of Recycling Copper by Hydrometallurgy from Waste Printed Circuit Boards. <i>Procedia Environmental Sciences</i> , 2016 , 31, 162-170 | | 37 |
| 91 | Pollutants Release and Control during WEEE Recycling: A Critical Review. <i>Procedia Environmental Sciences</i> , 2016 , 31, 867-872 | | 4 |
| 90 | Global responses for recycling waste CRTs in e-waste. <i>Waste Management</i> , 2016 , 57, 187-197 | 8.6 | 71 |
| 89 | Environmental pollution of polybrominated diphenyl ethers from industrial plants in China: a preliminary investigation. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 7012-21 | 5.1 | 20 |
| 88 | Solutions and challenges in recycling waste cathode-ray tubes. <i>Journal of Cleaner Production</i> , 2016 , 133, 188-200 | 10.3 | 36 |
| 87 | The geochemically-analogous process of metal recovery from second-hand resources via mechanochemistry: An atom-economic case study and its implications. <i>Waste Management</i> , 2016 , 57, 57-63 | 8.6 | 7 |
| 86 | Metal Sustainability from Global E-waste Management 2016 , 109-133 | | 3 |
| 85 | Integrated bioleaching of copper metal from waste printed circuit board-a comprehensive review of approaches and challenges. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 21141-21156 | 5.1 | 33 |
| 84 | Characterizing the environmental implications of the recycling of non-metallic fractions from waste printed circuit boards. <i>Journal of Cleaner Production</i> , 2016 , 137, 546-554 | 10.3 | 27 |
| 83 | Application of mechanochemistry to metal recovery from second-hand resources: a technical overview. <i>Environmental Sciences: Processes and Impacts</i> , 2015 , 17, 1522-30 | 4.3 | 45 |
| 82 | Recycling metals from wastes: a novel application of mechanochemistry. <i>Environmental Science & Technology</i> , 2015 , 49, 5849-61 | 10.3 | 97 |
| 81 | Environmental risk assessment of CRT and PCB workshops in a mobile e-waste recycling plant. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 12366-73 | 5.1 | 31 |
| 80 | The environmental performance of fluorescent lamps in China, assessed with the LCA method. <i>International Journal of Life Cycle Assessment</i> , 2015 , 20, 807-818 | 4.6 | 19 |
| 79 | Lead recovery from scrap cathode ray tube funnel glass by hydrothermal sulphidisation. <i>Waste Management and Research</i> , 2015 , 33, 930-6 | 4 | 12 |
| 78 | A study of the geographical shifts in global lead production & possible corresponding shift in potential threats to the environment. <i>Journal of Cleaner Production</i> , 2015 , 107, 237-251 | 10.3 | 19 |
| 77 | Solving spent lithium-ion battery problems in China: Opportunities and challenges. <i>Renewable and Sustainable Energy Reviews</i> , 2015 , 52, 1759-1767 | 16.2 | 188 |

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|----|---|------|-----|
| 76 | A review on human health consequences of metals exposure to e-waste in China. <i>Environmental Pollution</i> , 2015 , 196, 450-61 | 9.3 | 144 |
| 75 | Minimizing the increasing solid waste through zero waste strategy. <i>Journal of Cleaner Production</i> , 2015 , 104, 199-210 | 10.3 | 235 |
| 74 | Rare Earth Elements Recovery from Waste Fluorescent Lamps: A Review. <i>Critical Reviews in Environmental Science and Technology</i> , 2015 , 45, 749-776 | 11.1 | 142 |
| 73 | A Smart Cloud-Based System for the WEEE Recovery/Recycling. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2015 , 137, | 3.3 | 5 |
| 72 | Recycling Indium from Scraped Glass of Liquid Crystal Display: Process Optimizing and Mechanism Exploring. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 1306-1312 | 8.3 | 51 |
| 71 | Novel approach to recover cobalt and lithium from spent lithium-ion battery using oxalic acid. <i>Journal of Hazardous Materials</i> , 2015 , 295, 112-8 | 12.8 | 288 |
| 70 | Development potential of e-waste recycling industry in China. <i>Waste Management and Research</i> , 2015 , 33, 533-42 | 4 | 31 |
| 69 | "Control-alt-delete": rebooting solutions for the E-waste problem. <i>Environmental Science & Technology</i> , 2015 , 49, 7095-108 | 10.3 | 162 |
| 68 | On the sustainability of cobalt utilization in China. <i>Resources, Conservation and Recycling</i> , 2015 , 104, 12-18 | 11.9 | 47 |
| 67 | Greenhouse gas emissions from the usage of typical e-products by households: a case study of China. <i>Climatic Change</i> , 2015 , 132, 615-629 | 4.5 | 13 |
| 66 | Ecodesign in Consumer Electronics: Past, Present, and Future. <i>Critical Reviews in Environmental Science and Technology</i> , 2015 , 45, 840-860 | 11.1 | 94 |
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