Zhenming Xu

List of Publications by Year
in descending order

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159	7,627	53794 45	60623 81
papers	citations	h-index	g-index

160	160	160	4120
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recycling Spent LiCoO₂ Battery as a Highâ€efficient Lithiumâ€doped Graphitic Carbon Nitride/Co₃O₄ Composite Photocatalyst and Its Synergistic Photocatalytic Mechanism. Energy and Environmental Materials, 2023, 6, .	12.8	16
2	Targeted recovery of Ag-Pd alloy from polymetallic electronic waste leaching solution via green electrodeposition technology and its mechanism. Separation and Purification Technology, 2022, 280, 118944.	7.9	16
3	An energy-saving and environment-friendly technology for debromination of plastic waste: Novel models of heat transfer and movement behavior of bromine. Journal of Hazardous Materials, 2022, 421, 126814.	12.4	11
4	An ignored potential microplastic contamination of a typical waste glass recycling base. Journal of Hazardous Materials, 2022, 422, 126854.	12.4	12
5	An automatic sorting system for electronic components detached from waste printed circuit boards. Waste Management, 2022, 137, 1-8.	7.4	39
6	Assessment of precious metals positioning in waste printed circuit boards and the economic benefits of recycling. Waste Management, 2022, 139, 105-115.	7.4	31
7	Emission of PAHs, PCBs, PBDEs and heavy metals in air, water and soil around a waste plastic recycling factory in an industrial park, Eastern China. Chemosphere, 2022, 294, 133734.	8.2	21
8	Capturing approach for the toxic bromides generated in low-temperature pyrolysis of brominated resin. Journal of Cleaner Production, 2022, 346, 131174.	9.3	3
9	Characteristics of unorganized emissions of microplastics from road fugitive dust in urban mining bases. Science of the Total Environment, 2022, 827, 154355.	8.0	14
10	Debromination process of Br-containing PS of E-wastes and reuse with virgin PS. Journal of Hazardous Materials, 2022, 431, 128526.	12.4	3
11	Thermal desorption behavior of fluoroquinolones in contaminated soil of livestock and poultry breeding. Environmental Research, 2022, 211, 113101.	7.5	7
12	Thermal defluorination behaviors of PFOS, PFOA and PFBS during regeneration of activated carbon by molten salt. Frontiers of Environmental Science and Engineering, 2022, 16, 1.	6.0	5
13	Urgency of technology and equipment upgrades in e-waste dismantling base: Pollution identification and emission reduction. Environmental Pollution, 2022, 308, 119704.	7.5	5
14	Recycling Ag, As, Ga of waste light-emitting diodes via subcritical water treatment. Journal of Hazardous Materials, 2021, 408, 124409.	12.4	15
15	Environmental-friendly recovery of non-metallic resources from waste printed circuit boards: A review. Journal of Cleaner Production, 2021, 279, 123738.	9.3	81
16	Catalytic effect and mechanism of coexisting copper on conversion of organics during pyrolysis of waste printed circuit boards. Journal of Hazardous Materials, 2021, 403, 123465.	12.4	42
17	Decomposition of high-impact polystyrene resin in e-waste by supercritical water oxidation process with debromination of decabromodiphenyl ethane and recovery of antimony trioxide simultaneously. Journal of Hazardous Materials, 2021, 402, 123684.	12.4	17
18	Polybrominated diphenyl ethers in indoor air from two typical E-waste recycling workshops in Southern China: Emission, size-distribution, gas-particle partitioning, and exposure assessment. Journal of Hazardous Materials, 2021, 402, 123667.	12.4	14

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19	Novel targetedly extracting lithium: An environmental-friendly controlled chlorinating technology and mechanism of spent lithium ion batteries recovery. Journal of Hazardous Materials, 2021, 404, 123947.	12.4	54
20	Recovering Polyethylene Glycol Terephthalate and Ethylene-Vinyl Acetate Copolymer in Waste Solar Cells via a Novel Vacuum-Gasification-Condensation Process. ACS ES&T Engineering, 2021, 1, 357-362.	7.6	6
21	A novel approach for determining the accurate debromination time in the ball-milling process of nonmetallic particles from waste printed circuit boards by computation. Journal of Hazardous Materials, 2021, 410, 124611.	12.4	12
22	Behavior of enrichment and migration path of Cuâ€“Agâ€“Pdâ€“Biâ€“Pb in the recovery of waste multilayer ceramic capacitors by eutectic capture of copper. Journal of Cleaner Production, 2021, 287, 125469.	9.3	5
23	Selective electrochemical extraction of copper from multi-metal e-waste leaching solution and its enhanced recovery mechanism. Journal of Hazardous Materials, 2021, 407, 124799.	12.4	19
24	Utilizing spent Li-ion batteries to regulate the Ï€-conjugated structure of g-C₃N₄: a winâ€“win approach for waste recycling and highly active photocatalyst construction. Journal of Materials Chemistry A, 2021, 9, 472-481.	10.3	21
25	Study of reaction characteristics and controlling mechanism of chlorinating conversion of cathode materials from spent lithium-ion batteries. Journal of Hazardous Materials, 2021, 407, 124704.	12.4	40
26	Separation of metals from Ni-Cu-Ag-Pd-Bi-Sn multi-metal system of e-waste by leaching and stepwise potential-controlled electrodeposition. Journal of Hazardous Materials, 2021, 408, 124772.	12.4	21
27	Decomposition of polycarbonate/acrylonitrile-butadiene-styrene blends in e-waste packaging resin and recovery of debrominated carbon materials by supercritical water oxidation process. Journal of Hazardous Materials, 2021, 404, 124056.	12.4	8
28	Utilizing E-Waste for Construction of Magnetic and Coreâ€“Shell Z-Scheme Photocatalysts: An Effective Approach to E-Waste Recycling. Environmental Science & Technology, 2021, 55, 1279-1289.	10.0	22
29	Study on the remediation of tetracycline antibiotics and roxarsone contaminated soil. Environmental Pollution, 2021, 271, 116312.	7.5	19
30	Hydrothermal Leaching Behavior of Manganese from Waste Znâ€“Mn Dry Batteries. ACS Sustainable Chemistry and Engineering, 2021, 9, 3137-3144.	6.7	5
31	Arsenic Removal and Recovery of Germanium and Tungsten in Toxic Coal Fly Ash from Lignite by Vacuum Distillation with a Sulfurizing Reagent. Environmental Science & Technology, 2021, 55, 4027-4036.	10.0	8
32	Novel approach of in-situ nickel capture technology to recycle silver and palladium from waste nickel-rich multilayer ceramic capacitors. Journal of Cleaner Production, 2021, 290, 125650.	9.3	16
33	Reveal the Release and Transformation Mechanism of Polybrominated Diphenyl Ethers during the Crushing of Waste Printed Circuit Boards Based on the Experimental Monitoring and Theoretical Simulation. ACS Sustainable Chemistry and Engineering, 2021, 9, 4926-4935.	6.7	3
34	Distribution of heavy metals and release mechanism for respirable fine particles incineration ashes from lignite. Resources, Conservation and Recycling, 2021, 166, 105282.	10.8	7
35	Process simulation of Ohno continuous casting for single crystal copper prepared from scrap copper in waste printed circuit boards. Waste Management, 2021, 124, 94-101.	7.4	5
36	Green Combined Resource Recycling System for the Recycling of Waste Glass. ACS Sustainable Chemistry and Engineering, 2021, 9, 7361-7368.	6.7	12

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37	In Situ Recombination of Elements in Spent Lithium-Ion Batteries to Recover High-Value Î³-LiAlO₂ and LiAl₅O₈. Environmental Science & Technology, 2021, 55, 7643-7653.	10.0	17
38	Motion Behavior Model and Multistage Magnetic Separation Method for the Removal of Impurities from Recycled Waste Plastics. ACS Sustainable Chemistry and Engineering, 2021, 9, 10920-10928.	6.7	7
39	Analysis of the Products and Decomposition Mechanisms of the Different Organic Impurities in Waste Glass during the Heat-Desiccation Dissociation Process. ACS Sustainable Chemistry and Engineering, 2021, 9, 10642-10650.	6.7	5
40	Unveiling the Control Mechanism of the Carbothermal Reduction Reaction for Waste Li-Ion Battery Recovery: Providing Instructions for Its Practical Applications. ACS Sustainable Chemistry and Engineering, 2021, 9, 9418-9425.	6.7	15
41	Novel Electrodeposition Method for Cu-In-Cd-Ga Sequential Separation from Waste Solar Cell: Mechanism, Application, and Environmental Impact Assessment. Environmental Science & Technology, 2021, 55, 10724-10733.	10.0	14
42	Facile indium recovery from waste liquid crystal displays: Chloride-facilitated indium electroreduction and stepwise Cu/MoO2 and indium electrodeposition. Journal of Hazardous Materials, 2021, 415, 125599.	12.4	15
43	Pyrometallurgical Technology in the Recycling of a Spent Lithium Ion Battery: Evolution and the Challenge. ACS ES&T Engineering, 2021, 1, 1369-1382.	7.6	96
44	Analysis of contaminants and their formation mechanism in the desiccation-dissociation process of organic impurity of waste glass. Journal of Hazardous Materials, 2021, 416, 125881.	12.4	12
45	Highly efficient selective recovery of lithium from spent lithium-ion batteries by thermal reduction with cheap ammonia reagent. Journal of Hazardous Materials, 2021, 418, 126319.	12.4	65
46	Ammonia Reduction System for the Diversity of Cathode Processing of Li-Ion Batteries. ACS Sustainable Chemistry and Engineering, 2021, 9, 12091-12099.	6.7	7
47	Renewable redox couple system for sustainable precious metal recycling from e-waste via halide-regulated potential inversion. Journal of Hazardous Materials, 2021, 420, 126568.	12.4	5
48	Challenges to Future Development of Spent Lithium Ion Batteries Recovery from Environmental and Technological Perspectives. Environmental Science & Technology, 2020, 54, 9-25.	10.0	192
49	Research of the thermal decomposition mechanism and pyrolysis pathways from macromonomer to small molecule of waste printed circuit board. Journal of Hazardous Materials, 2020, 383, 121234.	12.4	58
50	Indium recovery from In-Sn-Cu-Al mixed system of waste liquid crystal display panels via acid leaching and two-step electrodeposition. Journal of Hazardous Materials, 2020, 381, 120973.	12.4	32
51	Thermal degradation and pollutant emission from waste printed circuit boards mounted with electronic components. Journal of Hazardous Materials, 2020, 382, 121038.	12.4	35
52	Mechanochemical degradation of brominated flame retardants in waste printed circuit boards by Ball Milling. Journal of Hazardous Materials, 2020, 385, 121509.	12.4	47
53	Leaching behavior of Sb and Br from E-waste flame retardant plastics. Chemosphere, 2020, 245, 125684.	8.2	16
54	Recovery of palladium and silver from waste multilayer ceramic capacitors by eutectic capture process of copper and mechanism analysis. Journal of Hazardous Materials, 2020, 388, 122008.	12.4	21

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55	Selective recovery of lead and zinc through controlling cathodic potential in a bioelectrochemically-assisted electrodeposition system. Journal of Hazardous Materials, 2020, 386, 121941.	12.4	42
56	Recycling waste tantalum capacitors to synthesize high value-added Ta2O5 and polyaniline-decorated Ta2O5 photocatalyst by an integrated chlorination-sintering-chemisorption process. Journal of Cleaner Production, 2020, 252, 117206.	9.3	24
57	Novel approach for metal separation from spent lithium ion batteries based on dry-phase conversion. Journal of Cleaner Production, 2020, 277, 122718.	9.3	24
58	Electrochemical Relithiation for Direct Regeneration of LiCoO₂ Materials from Spent Lithium-Ion Battery Electrodes. ACS Sustainable Chemistry and Engineering, 2020, 8, 11596-11605.	6.7	92
59	Unveiling the Release Mechanism of Pollutants during the Crushing Process of Waste Printed Circuit Boards. ACS Sustainable Chemistry and Engineering, 2020, 8, 14540-14548.	6.7	5
60	Mechanism of Gold Cyanidation in Bioleaching of Precious Metals from Waste Printed Circuit Boards. ACS Sustainable Chemistry and Engineering, 2020, 8, 18975-18981.	6.7	9
61	An integrated capture of copper scrap and electrodeposition process to enrich and prepare pure palladium for recycling of spent catalyst from automobile. Waste Management, 2020, 108, 172-182.	7.4	33
62	Fate and migration of polybrominated diphenyl ethers in a workshop for waste printed circuit board de-soldering. Environmental Science and Pollution Research, 2020, 27, 30342-30351.	5.3	5
63	In-situ debromination mechanism based on self-activation and catalysis of Ca(OH)2 during pyrolysis of waste printed circuit boards. Journal of Hazardous Materials, 2020, 392, 122447.	12.4	28
64	Reduction, detoxification and recycling of solid waste by hydrothermal technology: A review. Chemical Engineering Journal, 2020, 390, 124651.	12.7	76
65	Emission characteristics of polybrominated diphenyl ethers from the thermal disassembly of waste printed circuit boards. Atmospheric Environment, 2020, 226, 117402.	4.1	9
66	Recovery of palladium as nanoparticles from waste multilayer ceramic capacitors by potential-controlled electrodeposition. Journal of Cleaner Production, 2020, 257, 120370.	9.3	32
67	Recycling of metals (Ga, In, As and Ag) from waste light-emitting diodes in sub/supercritical ethanol. Resources, Conservation and Recycling, 2020, 155, 104695.	10.8	28
68	A cleaner approach to the discharge process of spent lithium ion batteries in different solutions. Journal of Cleaner Production, 2020, 255, 120064.	9.3	55
69	Novel Recycle Technology for Recovering Gallium Arsenide from Scraped Integrated Circuits. ACS Sustainable Chemistry and Engineering, 2020, 8, 2874-2882.	6.7	12
70	Novel utilization of pyrolysis products produced from waste printed circuit boards: catalytic cracking and synthesis of graphite carbon. Journal of Cleaner Production, 2019, 236, 117662.	9.3	19
71	Decomposition of Packaging Materials and Recycling GaAs from Waste ICs by Hydrothermal Treatment. ACS Sustainable Chemistry and Engineering, 2019, 7, 14111-14118.	6.7	13
72	Towards minimization of secondary wastes: Element recycling to achieve future complete resource recycling of electronic wastes. Waste Management, 2019, 96, 175-180.	7.4	15

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73	Controllable synthesis of high-efficient TaOxNy and Ta3N5 photocatalysts through vacuum nitriding using melamine as a nitrogen source. Journal of Alloys and Compounds, 2019, 809, 151846.	5.5	3
74	In-situ reaction for recycling indium from waste liquid crystal display panels by vaccum reduction with pyrolytic carbon as reductant. Waste Management, 2019, 85, 538-547.	7.4	8
75	In situ preparation of a Nbâ€“Pb codoped and Pd loaded TiO₂ photocatalyst from waste multi-layer ceramic capacitors by a chlorinationâ€“leaching process. Green Chemistry, 2019, 21, 874-884.	9.0	15
76	Fabrication of magnetic zeolite coated with carbon fiber using pyrolysis products from waste printed circuit boards. Journal of Cleaner Production, 2019, 231, 1149-1157.	9.3	16
77	Emission characteristics and exposure assessment of particulate matter and polybrominated diphenyl ethers (PBDEs) from waste printed circuit boards de-soldering. Science of the Total Environment, 2019, 662, 530-536.	8.0	22
78	Tracking and quantifying the cobalt flows in mainland China during 1994â€“2016: Insights into use, trade and prospective demand. Science of the Total Environment, 2019, 672, 752-762.	8.0	57
79	Decomposition behavior and mechanism of epoxy resin from waste integrated circuits under supercritical water condition. Journal of Hazardous Materials, 2019, 374, 356-364.	12.4	39
80	From Eâ€Waste to Nbâ€Pb Coâ€Doped and Pdâ€Loaded TiO₂/BaTiO₃ Heterostructure: Highly Efficient Photocatalytic Performance. ChemSusChem, 2019, 12, 2819-2828.	6.8	13
81	A stable Ta3N5@PANI core-shell photocatalyst: Shell thickness effect, high-efficient photocatalytic performance and enhanced mechanism. Journal of Catalysis, 2019, 371, 175-184.	6.2	47
82	Environmentally-friendly technology for rapid on-line recycling of acrylonitrile-butadiene-styrene, polystyrene and polypropylene using near-infrared spectroscopy. Journal of Cleaner Production, 2019, 213, 838-844.	9.3	25
83	Thermodynamics, Kinetics Model, and Reaction Mechanism of Low-Vacuum Phosphate Reduction Process for Germanium Recovery from Optical Fiber Scraps. ACS Sustainable Chemistry and Engineering, 2019, 7, 2176-2186.	6.7	15
84	Pyrolysis and utilization of nonmetal materials in waste printed circuit boards: Debromination pyrolysis, temperature-controlled condensation, and synthesis of oil-based resin. Journal of Hazardous Materials, 2019, 364, 1-10.	12.4	81
85	Compound tribo-electrostatic separation for recycling mixed plastic waste. Journal of Hazardous Materials, 2019, 367, 43-49.	12.4	22
86	Controllable Formation of Carbon Fiber in Pyrolysis Process of Liquid Crystals from Waste LCD Panels and Indium Recovery by Vacuum in Situ Reduction with Carbon Fiber. ACS Sustainable Chemistry and Engineering, 2018, 6, 541-550.	6.7	13
87	Vacuum pyrolysis characteristics and parameter optimization of recycling organic materials from waste tantalum capacitors. Journal of Hazardous Materials, 2018, 342, 192-200.	12.4	44
88	Valuable Resource Recovery from Waste Tuning Fork Crystal Resonators via an Integrated and Environmentally Friendly Technique: Pyrolysis of Organics and Chlorination Leachingâ€“Extractionâ€“Reduction of Gold. ACS Sustainable Chemistry and Engineering, 2018, 6, 13237-13247.	6.7	3
89	Impact of the operating conditions on the derived products and the reaction mechanism in vacuum pyrolysis treatment of the organic material in waste integrated circuits. Journal of Cleaner Production, 2018, 197, 1488-1497.	9.3	27
90	Synthesis of oil-based resin using pyrolysis oil produced by debromination pyrolysis of waste printed circuit boards. Journal of Cleaner Production, 2018, 203, 645-654.	9.3	23

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91	Application of Life Cycle Assessment on Electronic Waste Management: A Review. Environmental Management, 2017, 59, 693-707.	2.7	42
92	Recovery of Valuable Materials from Waste Tantalum Capacitors by Vacuum Pyrolysis Combined with Mechanicalâ€“Physical Separation. ACS Sustainable Chemistry and Engineering, 2017, 5, 2639-2647.	6.7	34
93	Application of pyrolysis to recycling organics from waste tantalum capacitors. Journal of Hazardous Materials, 2017, 335, 39-46.	12.4	39
94	Recovery of Tantalum from Waste Tantalum Capacitors by Supercritical Water Treatment. ACS Sustainable Chemistry and Engineering, 2017, 5, 4421-4428.	6.7	54
95	Integrated technology for recovering Au from waste memory module by chlorination process: Selective leaching, extraction, and distillation. Journal of Cleaner Production, 2017, 161, 30-39.	9.3	41
96	Treatment of liquid crystals and recycling indium for stripping product gained by mechanical stripping process from waste liquid crystal display panels. Journal of Cleaner Production, 2017, 162, 1472-1481.	9.3	37
97	Energy and valuable resource recovery from waste liquid crystal display panels by an environment-friendly technological process: Pyrolysis of liquid crystals and preparation of indium product. Journal of Cleaner Production, 2017, 162, 141-152.	9.3	20
98	Method for Recycling Tantalum from Waste Tantalum Capacitors by Chloride Metallurgy. ACS Sustainable Chemistry and Engineering, 2017, 5, 1376-1381.	6.7	40
99	Environmental friendly technology for aluminum electrolytic capacitors recycling from waste printed circuit boards. Journal of Hazardous Materials, 2017, 326, 1-9.	12.4	21
100	Vacuum pyrolysis characteristics and kinetic analysis of liquid crystal from scrap liquid crystal display panels. Journal of Hazardous Materials, 2017, 327, 55-63.	12.4	47
101	C, H, Cl, and In Element Cycle in Wastes: Vacuum Pyrolysis of PVC Plastic To Recover Indium in LCD Panels and Prepare Carbon Coating. ACS Sustainable Chemistry and Engineering, 2017, 5, 8918-8929.	6.7	26
102	Novel Approach for in Situ Recovery of Lithium Carbonate from Spent Lithium Ion Batteries Using Vacuum Metallurgy. Environmental Science & Technology, 2017, 51, 11960-11966.	10.0	284
103	Application of Chloride Metallurgy and Corona Electrostatic Separation for Recycling Waste Multilayer Ceramic Capacitors. ACS Sustainable Chemistry and Engineering, 2017, 5, 8390-8395.	6.7	30
104	Pyrolysis-Based Technology for Recovering Copper from Transistors on Waste Printed Circuit Boards. ACS Sustainable Chemistry and Engineering, 2017, 5, 11354-11361.	6.7	19
105	One-Pot Synthesis of GeAs Ultrafine Particles from Coal Fly Ash by Vacuum Dynamic Flash Reduction and Inert Gas Condensation. Scientific Reports, 2017, 7, 3641.	3.3	6
106	Hollow Aluminum Particle in Eddy Current Separation of Recovering Waste Toner Cartridges. ACS Sustainable Chemistry and Engineering, 2017, 5, 161-167.	6.7	21
107	Application of vacuum reduction and chlorinated distillation to enrich and prepare pure germanium from coal fly ash. Journal of Hazardous Materials, 2017, 321, 18-27.	12.4	36
108	Key factors of eddy current separation for recovering aluminum from crushed e-waste. Waste Management, 2017, 60, 84-90.	7.4	34

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109	An environmentally friendly technology of disassembling electronic components from waste printed circuit boards. Waste Management, 2016, 53, 218-224.	7.4	90
110	A review of current progress of recycling technologies for metals from waste electrical and electronic equipment. Journal of Cleaner Production, 2016, 127, 19-36.	9.3	389
111	Generation and detection of metal ions and volatile organic compounds (VOCs) emissions from the pretreatment processes for recycling spent lithium-ion batteries. Waste Management, 2016, 52, 221-227.	7.4	133
112	Separating and Recycling Plastic, Glass, and Gallium from Waste Solar Cell Modules by Nitrogen Pyrolysis and Vacuum Decomposition. Environmental Science & Technology, 2016, 50, 9242-9250.	10.0	59
113	Precious metals recovery from waste printed circuit boards: A review for current status and perspective. Resources, Conservation and Recycling, 2016, 113, 28-39.	10.8	211
114	TSP, PM10 and health risk assessment for heavy metals (Cr, Ni, Cu, Zn, Cd, Pb) in the ambience of the production line for waste cathode ray tube recycling. Journal of Material Cycles and Waste Management, 2016, 18, 296-302.	3.0	15
115	Constructing environment-friendly return road of metals from e-waste: Combination of physical separation technologies. Renewable and Sustainable Energy Reviews, 2016, 54, 745-760.	16.4	87
116	An environmentally-friendly vacuum reduction metallurgical process to recover germanium from coal fly ash. Journal of Hazardous Materials, 2016, 312, 28-36.	12.4	36
117	Pyrolysis characteristics and pyrolysis products separation for recycling organic materials from waste liquid crystal display panels. Journal of Hazardous Materials, 2016, 302, 45-56.	12.4	32
118	Environmentally-friendly oxygen-free roasting/wet magnetic separation technology for in situ recycling cobalt, lithium carbonate and graphite from spent LiCoO 2 /graphite lithium batteries. Journal of Hazardous Materials, 2016, 302, 97-104.	12.4	405
119	Application of Supercritical Water To Decompose Brominated Epoxy Resin and Environmental Friendly Recovery of Metals from Waste Memory Module. Environmental Science & Technology, 2015, 49, 1761-1767.	10.0	83
120	PBDEs Emission from Waste Printed Wiring Boards during Thermal Process. Environmental Science & Technology, 2015, 49, 2716-2723.	10.0	63
121	Recycling gold and copper from waste printed circuit boards using chlorination process. RSC Advances, 2015, 5, 8957-8964.	3.6	57
122	Disposing and Recycling Waste Printed Circuit Boards: Disconnecting, Resource Recovery, and Pollution Control. Environmental Science & Technology, 2015, 49, 721-733.	10.0	168
123	Recycling Acetic Acid from Polarizing Film of Waste Liquid Crystal Display Panels by Sub/Supercritical Water Treatments. Environmental Science & Technology, 2015, 49, 5999-6008.	10.0	29
124	Tribo-charging properties of waste plastic granules in process of tribo-electrostatic separation. Waste Management, 2015, 35, 36-41.	7.4	83
125	Polybrominated diphenyl ethers in indoor air during waste TV recycling process. Journal of Hazardous Materials, 2015, 283, 439-446.	12.4	51
126	Vacuum Separation Behavior of Pb from Copper-Rich Particles of Crushed E-Wastes. Separation Science and Technology, 2014, 49, 2440-2447.	2.5	2

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127	Assessment of heavy metals exposure, noise and thermal safety in the ambiance of a vacuum metallurgy separation system for recycling heavy metals from crushed e-wastes. Waste Management and Research, 2014, 32, 1247-1253.	3.9	2
128	State-of-the-Art of Recycling E-Wastes by Vacuum Metallurgy Separation. Environmental Science & Technology, 2014, 48, 14092-14102.	10.0	79
129	Real-time monitoring system for improving corona electrostatic separation in the process of recovering waste printed circuit boards. Waste Management and Research, 2014, 32, 1227-1234.	3.9	5
130	The status and development of treatment techniques of typical waste electrical and electronic equipment in China: A review. Waste Management and Research, 2014, 32, 254-269.	3.9	44
131	Recycling indium from waste liquid crystal display panel by vacuum carbon-reduction. Journal of Hazardous Materials, 2014, 268, 185-190.	12.4	95
132	Recycling of non-metallic fractions from waste electrical and electronic equipment (WEEE): A review. Waste Management, 2014, 34, 1455-1469.	7.4	238
133	Pyrolysis mechanism for recycle renewable resource from polarizing film of waste liquid crystal display panels. Journal of Hazardous Materials, 2014, 278, 311-319.	12.4	24
134	An impact crushing dynamic model of waste printed circuit board particles. Research on Chemical Intermediates, 2013, 39, 3611-3630.	2.7	8
135	Health risk assessment of heavy metals (Cr, Ni, Cu, Zn, Cd, Pb) in circumjacent soil of a factory for recycling waste electrical and electronic equipment. Journal of Material Cycles and Waste Management, 2013, 15, 556-563.	3.0	16
136	Technological process and optimum design of organic materials vacuum pyrolysis and indium chlorinated separation from waste liquid crystal display panels. Journal of Hazardous Materials, 2013, 263, 610-617.	12.4	69
137	Triboelectrostatic separation for granular plastic waste recycling: A review. Waste Management, 2013, 33, 585-597.	7.4	179
138	PM₁₀ and PM_{2.5} and Health Risk Assessment for Heavy Metals in a Typical Factory for Cathode Ray Tube Television Recycling. Environmental Science & Technology, 2013, 47, 12469-12476.	10.0	146
139	Separating Criterion of Pb, Cd, Bi and Zn from Metallic Particles of Crushed Electronic Wastes by Vacuum Evaporation. Separation Science and Technology, 2012, 47, 913-919.	2.5	16
140	An efficient rough vacuum-chlorinated separation method for the recovery of indium from waste liquid crystal display panels. Green Chemistry, 2012, 14, 3395.	9.0	79
141	Approaches To Improve Separation Efficiency of Eddy Current Separation for Recovering Aluminum from Waste Toner Cartridges. Environmental Science & Technology, 2012, 46, 6214-6221.	10.0	37
142	Response to Waste Electrical and Electronic Equipments in China: Legislation, recycling system, and advanced integrated process. Environmental Science & Technology, 2012, 46, 4713-4724.	10.0	150
143	Application of pyrolysis process to remove and recover liquid crystal and films from waste liquid crystal display glass. Journal of Hazardous Materials, 2012, 243, 311-318.	12.4	42
144	Separating and Recovering Pb from Copper-Rich Particles of Crushed Waste Printed Circuit Boards by Evaporation and Condensation. Environmental Science & Technology, 2011, 45, 5359-5365.	10.0	70

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145	Environmental friendly automated line for recovering the cabinet of waste refrigerator. Waste Management, 2011, 31, 2319-2326.	7.4	40
146	Curing behavior of the plate produced by nonmetallic materials recycled from waste printed circuit boards. Journal of Applied Polymer Science, 2011, 122, 1829-1837.	2.6	4
147	Environmental Friendly Automatic Line for Recovering Metal from Waste Printed Circuit Boards. Environmental Science & Technology, 2010, 44, 1418-1423.	10.0	112
148	Wood Plastic Composite Produced by Nonmetals from Pulverized Waste Printed Circuit Boards. Environmental Science & Technology, 2010, 44, 463-468.	10.0	71
149	Dynamics of conductive and nonconductive particles under high-voltage electrostatic coupling fields. Science in China Series D: Earth Sciences, 2009, 52, 2359-2366.	0.9	5
150	Recycling of non-metallic fractions from waste printed circuit boards: A review. Journal of Hazardous Materials, 2009, 168, 567-590.	12.4	332
151	Separating and Recycling Metals from Mixed Metallic Particles of Crushed Electronic Wastes by Vacuum Metallurgy. Environmental Science & Technology, 2009, 43, 7074-7078.	10.0	60
152	Production of an austenitic steel matrix composite reinforced by in-situ nodular eutectic: the role of Si. Journal of Materials Science, 2008, 43, 6020-6023.	3.7	0
153	A model for computing the trajectories of the conducting particles from waste printed circuit boards in corona electrostatic separators. Journal of Hazardous Materials, 2008, 151, 52-57.	12.4	28
154	Optimizing the operating parameters of corona electrostatic separation for recycling waste scraped printed circuit boards by computer simulation of electric field. Journal of Hazardous Materials, 2008, 153, 269-275.	12.4	69
155	A Plate Produced by Nonmetallic Materials of Pulverized Waste Printed Circuit Boards. Environmental Science & Technology, 2008, 42, 5267-5271.	10.0	72
156	Recycle Technology for Recovering Resources and Products from Waste Printed Circuit Boards. Environmental Science & Technology, 2007, 41, 1995-2000.	10.0	403
157	Continuous Removal of Nonmetallic Inclusions from Aluminum Melts by Means of Stationary Electromagnetic Field and DC Current. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2007, 38, 1104-1110.	2.2	16
158	Study of the formation and intergrowth of granular eutectic in austenitic steel matrix composite by directional solidification technology. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2006, 37, 3665-3675.	2.2	2
159	Synthesizing a high value-added composite photocatalyst using waste capacitors combined with PANI by a mechanical chemistry method. Sustainable Energy and Fuels, 0, , .	4.9	2