Xia Dong

List of Publications by Year in descending order

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55 papers	3,150 citations	186265 28 h-index	155660 55 g-index
59 all docs	59 docs citations	59 times ranked	3699 citing authors

#	Article	IF	Citations
1	Degradation of organic compounds in hypersaline wastewater concentrate by a supercritical oxidation approach. Environmental Technology (United Kingdom), 2023, 44, 1613-1625.	2.2	1
2	Upcycling of blending waste plastics as flexible growing substrate with superabsorbing property. Chemical Engineering Journal, 2022, 435, 134622.	12.7	5
3	Upcycling of blending waste plastics as zwitterionic hydrogel for simultaneous removal of cationic and anionic heavy metals from aqueous system. Journal of Hazardous Materials, 2022, 432, 128746.	12.4	8
4	On-line spectroscopic study of brominated flame retardant extraction in supercritical CO2. Chemosphere, 2021, 263, 128282.	8.2	10
5	Synthesis of graphene and recovery of lithium from lithiated graphite of spent Li-ion battery. Waste Management, 2021, 124, 283-292.	7.4	38
6	Electrochemical Approaches for the Recovery of Metals from Electronic Waste: A Critical Review. Recycling, 2021, 6, 53.	5.0	43
7	Recycling phosphorus from spent LiFePO4 battery for multifunctional slow-release fertilizer preparation and simultaneous recovery of Lithium. Chemical Engineering Journal, 2021, 426, 131311.	12.7	24
8	Selectively peeling of spent LiFePO4 cathode by destruction of crystal structure and binder matrix for efficient recycling of spent battery materials. Journal of Hazardous Materials, 2020, 386, 121633.	12.4	29
9	Effect of steam jet on oil reclamation and purification from layered oily sludge. Fuel, 2020, 263, 116731.	6.4	9
10	A green process for phosphorus recovery from spent LiFePO4 batteries by transformation of delithiated LiFePO4 crystal into NaFeS2. Journal of Hazardous Materials, 2020, 395, 122614.	12.4	29
11	A green process for exfoliating electrode materials and simultaneously extracting electrolyte from spent lithium-ion batteries. Journal of Hazardous Materials, 2019, 375, 43-51.	12.4	109
12	Radium isotopesâ€“suspended sediment relationships in a muddy river. Chemosphere, 2019, 214, 250-258.	8.2	10
13	Recycling oxygen from spaceflight solid waste for life support system: Potential of pyrolysis process. Chemical Engineering Journal, 2018, 334, 479-486.	12.7	5
14	A novel dry cleaning system for contaminated waste plastic purification in gas-solid media. Journal of Cleaner Production, 2018, 171, 1472-1480.	9.3	15
15	A novel process for preparing fireproofing materials from various industrial wastes. Journal of Environmental Management, 2018, 219, 332-339.	7.8	4
16	A new approach for blending waste plastics processing: Superabsorbent resin synthesis. Journal of Cleaner Production, 2018, 197, 501-510.	9.3	50
17	Characterization of a novel sound absorption material derived from waste agricultural film. Construction and Building Materials, 2017, 157, 237-243.	7.2	16
18	Recycling of spent lithium-ion battery with polyvinyl chloride by mechanochemical process. Waste Management, 2017, 67, 232-239.	7.4	120

#	Article	IF	Citations
19	Direct extraction of palladium and silver from waste printed circuit boards powder by supercritical fluids oxidation-extraction process. Journal of Hazardous Materials, 2016, 318, 216-223.	12.4	71
20	Advanced degradation of brominated epoxy resin and simultaneous transformation of glass fiber from waste printed circuit boards by improved supercritical water oxidation processes. Waste Management, 2016, 56, 423-430.	7.4	39
21	Innovative leaching of cobalt and lithium from spent lithium-ion batteries and simultaneous dechlorination of polyvinyl chloride in subcritical water. Journal of Hazardous Materials, 2016, 316, 19-25.	12.4	97
22	Variations of Hydrodynamics and Submarine Groundwater Discharge in the Yellow River Estuary Under the Influence of the Water-Sediment Regulation Scheme. Estuaries and Coasts, 2016, 39, 333-343.	2.2	16
23	An environmental benign process for cobalt and lithium recovery from spent lithium-ion batteries by mechanochemical approach. Waste Management, 2016, 51, 239-244.	7.4	167
24	Evaluation of lead recovery efficiency from waste CRT funnel glass by chlorinating volatilization process. Environmental Technology (United Kingdom), 2014, 35, 2774-2780.	2.2	23
25	Characterization of a cetyltrimethyl ammonium bromide-modified sorbent for removal of perfluorooctane sulphonate from water. Environmental Technology (United Kingdom), 2014, 35, 2556-2568.	2.2	7
26	Tetrabromobisphenol A recovery from computer housing plastic by a new solvothermal process. Environmental Chemistry Letters, 2014, 12, 347-352.	16.2	6
27	Natural 222 Rn and 220 Rn indicate the impact of the Waterâ€“Sediment Regulation Scheme (WSRS) on submarine groundwater discharge in the Yellow River estuary, China. Applied Geochemistry, 2014, 51, 79-85.	3.0	27
28	Concentrations and fluxes of dissolved uranium in the Yellow River estuary: seasonal variation and anthropogenic (Water-Sediment Regulation Scheme) impact. Journal of Environmental Radioactivity, 2014, 128, 38-46.	1.7	24
29	Detoxification effect of chlorination procedure on waste lead glass. Journal of Material Cycles and Waste Management, 2014, 16, 623-628.	3.0	8
30	Recovery of triphenyl phosphate from waste printed circuit boards by solvothermal process. Chemical Engineering Journal, 2014, 240, 10-15.	12.7	20
31	Development of porous ceramsite from construction and demolition waste. Environmental Technology (United Kingdom), 2013, 34, 2241-2249.	2.2	15
32	Zeolite loaded ceramsite developed from construction and demolition waste. Materials Letters, 2013, 93, 380-382.	2.6	12
33	Degradation of brominated flame retardant in computer housing plastic by supercritical fluids. Journal of Hazardous Materials, 2012, 205-206, 156-163.	12.4	85
34	Removal of brominated flame retardant from electrical and electronic waste plastic by solvothermal technique. Journal of Hazardous Materials, 2012, 221-222, 193-198.	12.4	42
35	Nano-lead particle synthesis from waste cathode ray-tube funnel glass. Journal of Hazardous Materials, 2011, 194, 407-413.	12.4	54
36	Advantage of solvothermal procedure for polychlorinated biphenyls removal from e-waste contaminated site. Chemical Engineering Journal, 2011, 178, 93-99.	12.7	8

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37	Catalytic dechlorination of polychlorinated biphenyls in subcritical water by Ni/Fe nanoparticles. Chemical Engineering Journal, 2011, 171, 919-925.	12.7	55
38	Removal of copper (II) and phenol from aqueous solution using porous carbons derived from hydrothermal chars. Desalination, 2011, 267, 101-106.	8.2	109
39	Arsenate removal from water using Fe3O4-loaded activated carbon prepared from waste biomass. Chemical Engineering Journal, 2010, 160, 57-62.	12.7	159
40	Effective utilization of waste cathode ray tube glassâ€"Crystalline silicotitanate synthesis. Journal of Hazardous Materials, 2010, 182, 45-49.	12.4	17
41	A novel approach for preparing silver nanoparticles under electron beam irradiation. Journal of Nanoparticle Research, 2010, 12, 1423-1428.	1.9	52
42	Characterization and application of chars produced from pinewood pyrolysis and hydrothermal treatment. Fuel, 2010, 89, 510-514.	6.4	433
43	Catalytic oxidation of Methyl Orange by an amorphous FeOOH catalyst developed from a high iron-containing fly ash. Chemical Engineering Journal, 2010, 158, 148-153.	12.7	104
44	Arsenic (V) removal from aqueous system using adsorbent developed from a high iron-containing fly ash. Science of the Total Environment, 2009, 407, 5780-5786.	8.0	64
45	Preparing silver nanoparticles in supercritical water. Materials Letters, 2009, 63, 437-440.	2.6	8
46	Preparation of nano-Cu2O/TiO2 photocatalyst from waste printed circuit boards by electrokinetic process. Journal of Hazardous Materials, 2009, 172, 1458-1463.	12.4	58
47	Chemical properties of heavy metals in typical hospital waste incinerator ashes in China. Waste Management, 2009, 29, 1114-1121.	7.4	80
48	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
49	Detoxification of cathode ray tube glass by self-propagating process. Journal of Hazardous Materials, 2009, 165, 980-986.	12.4	30
50	Electrokinetic recovery of Cd, Cr, As, Ni, Zn and Mn from waste printed circuit boards: Effect of assisting agents. Journal of Hazardous Materials, 2009, 170, 191-196.	12.4	53
51	An effective adsorbent developed from municipal solid waste and coal co-combustion ash for As(V) removal from aqueous solution. Journal of Hazardous Materials, 2008, 159, 313-318.	12.4	29
52	Effects of various solvents on the liquefaction of biomass to produce fuels and chemical feedstocks. Energy Conversion and Management, 2008, 49, 3498-3504.	9.2	316
53	Photocatalytic oxidation and removal of arsenite from water using slag-iron oxide-TiO2 adsorbent. Chemosphere, 2006, 65, 125-131.	8.2	107
54	Extraction of metals from municipal solid waste incinerator fly ash by hydrothermal process. Journal of Hazardous Materials, 2006, 136, 663-670.	12.4	90

#	ARTICLE	IF	CITATIONS
55	A novel process utilizing subcritical water and nitrilotriacetic acid to extract hazardous elements from MSW incinerator fly ash. Science of the Total Environment, 2006, 369, 273-279.	8.0	15