

Xingwen Lu

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

2,374
citations

304602

22
h-index

315616

38
g-index

38
all docs

38
docs citations

38
times ranked

3225
citing authors

#	ARTICLE	IF	CITATIONS
1	Interaction of toxic chemicals with microplastics: A critical review. <i>Water Research</i> , 2018, 139, 208-219.	5.3	612
2	Selective removals of heavy metals (Pb ²⁺ , Cu ²⁺ , and Cd ²⁺) from wastewater by gelation with alginate for effective metal recovery. <i>Journal of Hazardous Materials</i> , 2016, 308, 75-83.	6.5	238
3	A short review on human exposure to and tissue distribution of per- and polyfluoroalkyl substances (PFASs). <i>Science of the Total Environment</i> , 2018, 636, 1058-1069.	3.9	215
4	Global distribution of perfluorochemicals (PFCs) in potential human exposure source—A review. <i>Environment International</i> , 2017, 108, 51-62.	4.8	214
5	Combustion behaviors of spent mushroom substrate using TG-MS and TG-FTIR: Thermal conversion, kinetic, thermodynamic and emission analyses. <i>Bioresource Technology</i> , 2018, 266, 389-397.	4.8	161
6	Elimination and ecotoxicity evaluation of phthalic acid esters from textile-dyeing wastewater. <i>Environmental Pollution</i> , 2017, 231, 115-122.	3.7	83
7	Effectiveness and Mechanisms of Defluorination of Perfluorinated Alkyl Substances by Calcium Compounds during Waste Thermal Treatment. <i>Environmental Science & Technology</i> , 2015, 49, 5672-5680.	4.6	81
8	Comparative thermogravimetric analyses of co-combustion of textile dyeing sludge and sugarcane bagasse in carbon dioxide/oxygen and nitrogen/oxygen atmospheres: Thermal conversion characteristics, kinetics, and thermodynamics. <i>Bioresource Technology</i> , 2018, 255, 88-95.	4.8	69
9	Sorption Behavior of Bisphenol A and Triclosan by Graphene: Comparison with Activated Carbon. <i>ACS Omega</i> , 2017, 2, 5378-5384.	1.6	53
10	Adsorption and Thermal Stabilization of Pb ²⁺ and Cu ²⁺ by Zeolite. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 8767-8773.	1.8	51
11	Accuracy and application of quantitative X-ray diffraction on the precipitation of struvite product. <i>Water Research</i> , 2016, 90, 9-14.	5.3	46
12	The degradation mechanisms of perfluorooctanoic acid (PFOA) and perfluorooctane sulfonic acid (PFOS) by different chemical methods: A critical review. <i>Chemosphere</i> , 2021, 283, 131168.	4.2	43
13	Occurrence and abundance of poly- and perfluoroalkyl substances (PFASs) on microplastics (MPs) in Pearl River Estuary (PRE) region: Spatial and temporal variations. <i>Environmental Pollution</i> , 2021, 281, 117025.	3.7	38
14	Thermogravimetric and mass-spectrometric analyses of combustion of spent potlining under N ₂ /O ₂ and CO ₂ /O ₂ atmospheres. <i>Waste Management</i> , 2019, 87, 237-249.	3.7	37
15	Lead glass-ceramics produced from the beneficial use of waterworks sludge. <i>Water Research</i> , 2013, 47, 1353-1360.	5.3	36
16	Removal of polycyclic aromatic hydrocarbons (PAHs) from textile dyeing sludge by ultrasound combined zero-valent iron/EDTA/Air system. <i>Chemosphere</i> , 2018, 191, 839-847.	4.2	36
17	Extraction of Metallic Lead from Cathode Ray Tube (CRT) Funnel Glass by Thermal Reduction with Metallic Iron. <i>Environmental Science & Technology</i> , 2013, 47, 9972-9978.	4.6	35
18	Effect of sintering temperature on mineral composition and heavy metals mobility in tailings bricks. <i>Waste Management</i> , 2019, 93, 112-121.	3.7	32

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19	Electrochemical and microbial community responses of electrochemically active biofilms to copper ions in bioelectrochemical systems. <i>Chemosphere</i> , 2018, 196, 377-385.	4.2	31
20	Effect of solution chemistry and aggregation on adsorption of perfluorooctanesulphonate (PFOS) to nano-sized alumina. <i>Environmental Pollution</i> , 2019, 251, 425-433.	3.7	31
21	Co-precipitation of Cu and Zn in precipitation of struvite. <i>Science of the Total Environment</i> , 2021, 764, 144269.	3.9	28
22	Formation of lead-aluminate ceramics: Reaction mechanisms in immobilizing the simulated lead sludge. <i>Chemosphere</i> , 2015, 138, 156-163.	4.2	25
23	Phase transformation and its role in stabilizing simulated lead-laden sludge in aluminum-rich ceramics. <i>Water Research</i> , 2011, 45, 5123-5129.	5.3	22
24	Transformation of hazardous lead into lead ferrite ceramics: Crystal structures and their role in lead leaching. <i>Journal of Hazardous Materials</i> , 2017, 336, 139-145.	6.5	21
25	Long-term effect of carbon nanotubes on electrochemical properties and microbial community of electrochemically active biofilms in microbial fuel cells. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 16240-16247.	3.8	19
26	The incorporation of Pb ²⁺ during struvite precipitation: Quantitative, morphological and structural analysis. <i>Journal of Environmental Management</i> , 2020, 276, 111359.	3.8	19
27	Inhibitory effect of cadmium(II) ion on anodic electrochemically active biofilms performance in bioelectrochemical systems. <i>Chemosphere</i> , 2018, 211, 202-209.	4.2	18
28	Metal stabilization mechanism of incorporating lead-bearing sludge in kaolinite-based ceramics. <i>Chemosphere</i> , 2012, 86, 817-821.	4.2	16
29	Enhanced removal of veterinary antibiotic from wastewater by photoelectroactive biofilm of purple anoxygenic phototroph through photosynthetic electron uptake. <i>Science of the Total Environment</i> , 2020, 713, 136605.	3.9	11
30	Evidence of compositional and ultrastructural shifts during the development of calcareous tubes in the biofouling tubeworm, <i>Hydroides elegans</i> . <i>Journal of Structural Biology</i> , 2015, 189, 230-237.	1.3	10
31	Sorption behavior of 6:2 chlorinated polyfluorinated ether sulfonate (F-53B) on four kinds of nano-materials. <i>Science of the Total Environment</i> , 2021, 757, 144064.	3.9	9
32	Lead extraction from Cathode Ray Tube (CRT) funnel glass: Reaction mechanisms in thermal reduction with addition of carbon (C). <i>Waste Management</i> , 2018, 76, 671-678.	3.7	8
33	Treatment of 3,3'-dimethoxybenzidine in sludge by advance oxidation process: Degradation products and toxicity evaluation. <i>Journal of Environmental Management</i> , 2019, 238, 102-109.	3.8	7
34	Formation of lead ferrites for immobilizing hazardous lead into iron-rich ceramic matrix. <i>Chemosphere</i> , 2019, 214, 239-249.	4.2	6
35	Simultaneous Immobilization of Zn(II) and Cr(III) in Spinel Crystals from Beneficial Utilization of Waste Brownfield-Site Soils. <i>Clays and Clay Minerals</i> , 2019, 67, 315-324.	0.6	5
36	Size-fractionated particle-bound heavy metals and perfluoroalkyl substances in dust from different indoor air. <i>Environmental Science and Pollution Research</i> , 2019, 26, 36720-36731.	2.7	3

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37	Quantitative, morphological, and structural analysis of Ni incorporated with struvite during precipitation. <i>Science of the Total Environment</i> , 2022, 817, 152976.	3.9	3
38	Transformation of hazardous lead into aluminosilicate ceramics: structure evolution and lead leaching. <i>Environmental Science and Pollution Research</i> , 2020, 27, 10404-10414.	2.7	2