

# Xingwen Lu

## List of Publications by Citations

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38  
papers

1,481  
citations

17  
h-index

38  
g-index

38  
ext. papers

1,918  
ext. citations

8.9  
avg, IF

5.06  
L-index

#	Paper	IF	Citations
38	Interaction of toxic chemicals with microplastics: A critical review. <i>Water Research</i> , <b>2018</b> , 139, 208-219	12.5	378
37	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> , <b>2016</b> , 308, 75-83	12.8	196
36	Global distribution of perfluorochemicals (PFCs) in potential human exposure source-A review. <i>Environment International</i> , <b>2017</b> , 108, 51-62	12.9	141
35	A short review on human exposure to and tissue distribution of per- and polyfluoroalkyl substances (PFASs). <i>Science of the Total Environment</i> , <b>2018</b> , 636, 1058-1069	10.2	101
34	Combustion behaviors of spent mushroom substrate using TG-MS and TG-FTIR: Thermal conversion, kinetic, thermodynamic and emission analyses. <i>Bioresource Technology</i> , <b>2018</b> , 266, 389-397	11	96
33	Elimination and ecotoxicity evaluation of phthalic acid esters from textile-dyeing wastewater. <i>Environmental Pollution</i> , <b>2017</b> , 231, 115-122	9.3	53
32	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> , <b>2018</b> , 255, 88-95	11	48
31	Effectiveness and Mechanisms of Defluorination of Perfluorinated Alkyl Substances by Calcium Compounds during Waste Thermal Treatment. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 5672-80	10.3	46
30	Accuracy and application of quantitative X-ray diffraction on the precipitation of struvite product. <i>Water Research</i> , <b>2016</b> , 90, 9-14	12.5	39
29	Sorption Behavior of Bisphenol A and Triclosan by Graphene: Comparison with Activated Carbon. <i>ACS Omega</i> , <b>2017</b> , 2, 5378-5384	3.9	35
28	Adsorption and Thermal Stabilization of Pb <sup>2+</sup> and Cu <sup>2+</sup> by Zeolite. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2016</b> , 55, 8767-8773	3.9	32
27	Lead glass-ceramics produced from the beneficial use of waterworks sludge. <i>Water Research</i> , <b>2013</b> , 47, 1353-60	12.5	31
26	Removal of polycyclic aromatic hydrocarbons (PAHs) from textile dyeing sludge by ultrasound combined zero-valent iron/EDTA/Air system. <i>Chemosphere</i> , <b>2018</b> , 191, 839-847	8.4	30
25	Extraction of metallic lead from cathode ray tube (CRT) funnel glass by thermal reduction with metallic iron. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 9972-8	10.3	30
24	Effect of solution chemistry and aggregation on adsorption of perfluorooctanesulphonate (PFOS) to nano-sized alumina. <i>Environmental Pollution</i> , <b>2019</b> , 251, 425-433	9.3	19
23	Thermogravimetric and mass-spectrometric analyses of combustion of spent potlining under N/O and CO/O atmospheres. <i>Waste Management</i> , <b>2019</b> , 87, 237-249	8.6	19
22	Phase transformation and its role in stabilizing simulated lead-laden sludge in aluminum-rich ceramics. <i>Water Research</i> , <b>2011</b> , 45, 5123-9	12.5	18

21	Formation of lead-aluminate ceramics: Reaction mechanisms in immobilizing the simulated lead sludge. <i>Chemosphere</i> , <b>2015</b> , 138, 156-63	8.4	17
20	Electrochemical and microbial community responses of electrochemically active biofilms to copper ions in bioelectrochemical systems. <i>Chemosphere</i> , <b>2018</b> , 196, 377-385	8.4	16
19	Effect of sintering temperature on mineral composition and heavy metals mobility in tailings bricks. <i>Waste Management</i> , <b>2019</b> , 93, 112-121	8.6	15
18	Metal stabilization mechanism of incorporating lead-bearing sludge in kaolinite-based ceramics. <i>Chemosphere</i> , <b>2012</b> , 86, 817-21	8.4	13
17	Transformation of hazardous lead into lead ferrite ceramics: Crystal structures and their role in lead leaching. <i>Journal of Hazardous Materials</i> , <b>2017</b> , 336, 139-145	12.8	12
16	The incorporation of Pb during struvite precipitation: Quantitative, morphological and structural analysis. <i>Journal of Environmental Management</i> , <b>2020</b> , 276, 111359	7.9	11
15	Co-precipitation of Cu and Zn in precipitation of struvite. <i>Science of the Total Environment</i> , <b>2021</b> , 764, 144269	10.2	11
14	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> , <b>2018</b> , 43, 16240-16247	6.7	10
13	Inhibitory effect of cadmium(II) ion on anodic electrochemically active biofilms performance in bioelectrochemical systems. <i>Chemosphere</i> , <b>2018</b> , 211, 202-209	8.4	9
12	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> , <b>2015</b> , 189, 230-7	3.4	8
11	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> , <b>2021</b> , 281, 117025	9.3	8
10	The degradation mechanisms of perfluorooctanoic acid (PFOA) and perfluorooctane sulfonic acid (PFOS) by different chemical methods: A critical review. <i>Chemosphere</i> , <b>2021</b> , 283, 131168	8.4	7
9	Lead extraction from Cathode Ray Tube (CRT) funnel glass: Reaction mechanisms in thermal reduction with addition of carbon (C). <i>Waste Management</i> , <b>2018</b> , 76, 671-678	8.6	6
8	Treatment of 3,3'-dimethoxybenzidine in sludge by advance oxidation process: Degradation products and toxicity evaluation. <i>Journal of Environmental Management</i> , <b>2019</b> , 238, 102-109	7.9	5
7	Formation of lead ferrites for immobilizing hazardous lead into iron-rich ceramic matrix. <i>Chemosphere</i> , <b>2019</b> , 214, 239-249	8.4	5
6	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> , <b>2020</b> , 713, 136605	10.2	4
5	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> , <b>2019</b> , 67, 315-324	2.1	3
4	Size-fractionated particle-bound heavy metals and perfluoroalkyl substances in dust from different indoor air. <i>Environmental Science and Pollution Research</i> , <b>2019</b> , 26, 36720-36731	5.1	3

3	Sorption behavior of 6:2 chlorinated polyfluorinated ether sulfonate (F-53B) on four kinds of nano-materials. <i>Science of the Total Environment</i> , <b>2021</b> , 757, 144064	10.2	3
2	Transformation of hazardous lead into aluminosilicate ceramics: structure evolution and lead leaching. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 10404-10414	5.1	2
1	Quantitative, morphological, and structural analysis of Ni incorporated with struvite during precipitation.. <i>Science of the Total Environment</i> , <b>2022</b> , 817, 152976	10.2	1