Loretta Y Li

List of Publications by Year
in descending order

106 papers	5,586 citations	94269 37 h-index	85405 71 g-index
107 all docs	107 docs citations	107 times ranked	5702 citing authors

#	Article	IF	Citations
1	Phytoremediation Technology: Hyper-accumulation Metals in Plants. Water, Air, and Soil Pollution, 2007, 184, 105-126.	1.1	646
2	Multivariate statistical analysis of heavy metals in street dust of Baoji, NW China. Journal of Hazardous Materials, 2010, 173, 744-749.	6.5	446
3	Heavy metals and polycyclic aromatic hydrocarbons: Pollution and ecological risk assessment in street dust of Tehran. Journal of Hazardous Materials, 2012, 227-228, 9-17.	6.5	372
4	Assessment of metals pollution and health risk in dust from nursery schools in Xiâ€™an, China. Environmental Research, 2014, 128, 27-34.	3.7	240
5	Review of the fate and transformation of per- and polyfluoroalkyl substances (PFASs) in landfills. Environmental Pollution, 2018, 235, 74-84.	3.7	195
6	Per- and Polyfluoroalkyl Substances in Landfill Leachate: Patterns, Time Trends, and Sources. Environmental Science & Technology, 2012, 46, 11532-11540.	4.6	183
7	Contamination assessment of mercury and arsenic in roadway dust from Baoji, China. Atmospheric Environment, 2009, 43, 2489-2496.	1.9	157
8	An experimental study of vermi-biowaste composting for agricultural soil improvement. Bioresource Technology, 2008, 99, 1672-1681.	4.8	135
9	Metal contamination in campus dust of Xi'an, China: A study based on multivariate statistics and spatial distribution. Science of the Total Environment, 2014, 484, 27-35.	3.9	121
10	Adsorption of organic stormwater pollutants onto activated carbon from sewage sludge. Journal of Environmental Management, 2017, 197, 490-497.	3.8	104
11	Feasibility of alternative sewage sludge treatment methods from a lifecycle assessment (LCA) perspective. Journal of Cleaner Production, 2020, 247, 119495.	4.6	101
12	A study of iron mineral transformation to reduce red mud tailings. Waste Management, 2001, 21, 525-534.	3.7	92
13	Evaluation of vadose zone biodegradation of BTX vapours. Journal of Contaminant Hydrology, 2000, 46, 233-264.	1.6	87
14	Chemical characteristics of spring rainwater of Xiâ€™an city, NW China. Atmospheric Environment, 2011, 45, 5058-5063.	1.9	87
15	Spatial distribution and risk assessment of metals in dust based on samples from nursery and primary schools of Xi'an, China. Atmospheric Environment, 2014, 88, 172-182.	1.9	83
16	Selecting reliable physicochemical properties of perfluoroalkyl and polyfluoroalkyl substances (PFASs) based on molecular descriptors. Environmental Pollution, 2015, 196, 462-472.	3.7	72
17	Heavy Metal Sorption and Hydraulic Conductivity Studies Using Three Types of Bentonite Admixes. Journal of Environmental Engineering, ASCE, 2001, 127, 420-429.	0.7	69
18	Waste-to-resources: Exploratory surface modification of sludge-based activated carbon by nitric acid for heavy metal adsorption. Waste Management, 2019, 87, 375-386.	3.7	68

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19	Properties of Red Mud Tailings Produced under Varying Process Conditions. Journal of Environmental Engineering, ASCE, 1998, 124, 254-264.	0.7	67
20	Controlling factors of the swelling of various bentonites and their correlations with the hydraulic conductivity of soil-bentonite mixtures. Applied Clay Science, 2011, 52, 78-84.	2.6	65
21	Water quality assessment of Wei River, China using fuzzy synthetic evaluation. Environmental Earth Sciences, 2010, 60, 1693-1699.	1.3	63
22	Occurrence of PFCs and PBDEs in Landfill Leachates from Across Canada. Water, Air, and Soil Pollution, 2012, 223, 3365-3372.	1.1	62
23	Aerobic biotransformation of fluorotelomer compounds in landfill leachate-sediment. Science of the Total Environment, 2020, 713, 136547.	3.9	56
24	Effect of salt of various concentrations on liquid limit, and hydraulic conductivity of different soil-bentonite mixtures. Environmental Geology, 2009, 57, 1145-1153.	1.2	55
25	Comparative life-cycle assessment of pyrolysis processes for producing bio-oil, biochar, and activated carbon from sewage sludge. Resources, Conservation and Recycling, 2022, 181, 106273.	5.3	53
26	Evaluation of Metal Loadings and Bioavailability in Air, Water and Soil Along Two Highways of British Columbia, Canada. Water, Air, and Soil Pollution, 2006, 172, 81-108.	1.1	52
27	Effect of bauxite properties on the settling of red mud. International Journal of Mineral Processing, 1996, 48, 169-182.	2.6	51
28	Role of wastewater treatment plant (WWTP) in environmental cycling of poly- and perfluoroalkyl (PFAS) compounds. Ecocycles, 2016, 2, .	0.2	51
29	The one-stage autothermal thermophilic aerobic digestion for sewage sludge treatment. Chemical Engineering Journal, 2011, 174, 564-570.	6.6	49
30	The role of clay minerals and the effect of H⁺ ions on removal of heavy metal (Pb²⁺) from contaminated soils. Canadian Geotechnical Journal, 2000, 37, 296-307.	1.4	47
31	Phytoavailability and fractionation of lead and manganese in a contaminated soil after application of three amendments. Bioresource Technology, 2010, 101, 5667-5676.	4.8	46
32	Filling the gap: Estimating physicochemical properties of the full array of polybrominated diphenyl ethers (PBDEs). Environmental Pollution, 2013, 180, 312-323.	3.7	46
33	Influences of low molar mass organic acids on the adsorption of Cd2+ and Pb2+ by goethite and montmorillonite. Applied Clay Science, 2010, 49, 281-287.	2.6	45
34	Exploration of remediation of acid rock drainage with clinoptilolite as sorbent in a slurry bubble column for both heavy metal capture and regeneration. Water Research, 2006, 40, 3359-3366.	5.3	44
35	Removal of organic contaminants in bioretention medium amended with activated carbon from sewage sludge. Environmental Science and Pollution Research, 2017, 24, 19167-19180.	2.7	42
36	Isolation, identification and utilization of thermophilic strains in aerobic digestion of sewage sludge. Water Research, 2011, 45, 5959-5968.	5.3	40

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37	The one-stage autothermal thermophilic aerobic digestion for sewage sludge treatment: Stabilization process and mechanism. Bioresource Technology, 2012, 104, 266-273.	4.8	39
38	Comparison, Validation, and Use of Models for Predicting Indoor Air Quality from Soil and Groundwater Contamination. Soil and Sediment Contamination, 2002, 11, 491-527.	1.1	38
39	Evaluation of the Johnson and Ettinger Model for Prediction of Indoor Air Quality. Ground Water Monitoring and Remediation, 2003, 23, 119-133.	0.6	37
40	Leachability of municipal solid waste ashes in simulated landfill conditions. Waste Management, 2007, 27, 932-945.	3.7	36
41	Mobility and Bioavailability of Trace Metals in the Water-Sediment System of the Highly Urbanized Brunette Watershed. Water, Air, and Soil Pollution, 2009, 197, 249-266.	1.1	36
42	Evaluation of low-cost materials for sorption of hydrophobic organic pollutants in stormwater. Journal of Environmental Management, 2015, 159, 106-114.	3.8	36
43	Enhancement of Electrokinetic Extraction from Lead-Spiked Soils. Journal of Environmental Engineering, ASCE, 2000, 126, 849-857.	0.7	35
44	Formation of perfluorocarboxylic acids from 6:2 fluorotelomer sulfonate (6:2 FTS) in landfill leachate: Role of microbial communities. Environmental Pollution, 2020, 259, 113835.	3.7	34
45	Bauxite residue as a catalyst for microwave-assisted pyrolysis of switchgrass to high quality bio-oil and biochar. Chemical Engineering Journal, 2021, 426, 131294.	6.6	34
46	Sludge-based activated carbon and its application in the removal of perfluoroalkyl substances: A feasible approach towards a circular economy. Chemosphere, 2022, 294, 133707.	4.2	34
47	The one-stage autothermal thermophilic aerobic digestion for sewage sludge treatment: Effects of temperature on stabilization process and sludge properties. Chemical Engineering Journal, 2012, 197, 223-230.	6.6	33
48	Treatment of acid rock drainage by clinoptilolite â€" Adsorptivity and structural stability for different pH environments. Applied Clay Science, 2008, 39, 1-9.	2.6	32
49	Review of contamination of sewage sludge and amended soils by polybrominated diphenyl ethers based on meta-analysis. Environmental Pollution, 2017, 220, 753-765.	3.7	32
50	Desorption and mobility mechanisms of co-existing polycyclic aromatic hydrocarbons and heavy metals in clays and clay minerals. Journal of Environmental Management, 2018, 214, 204-214.	3.8	32
51	Radiological hazards of coal and ash samples collected from Xiâ€™an coal-fired power plants of China. Environmental Earth Sciences, 2012, 66, 1925-1932.	1.3	31
52	Effect of organic matter and selected heavy metals on sorption of acenaphthene, fluorene and fluoranthene onto various clays and clay minerals. Environmental Earth Sciences, 2018, 77, 1.	1.3	30
53	Rhizosphere Influence and Seasonal Impact on Phytostabilisation of Metalsâ€"A Field Study. Water, Air, and Soil Pollution, 2012, 223, 107-124.	1.1	29
54	Spatial distribution and contamination assessment of heavy metals in urban topsoil from inside the Xiâ€™an second ringroad, NW China. Environmental Earth Sciences, 2013, 68, 1979-1988.	1.3	29

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55	Influence of the bentonite on the consolidation behaviour of soilâ€“bentonite mixtures. Carbonates and Evaporites, 2010, 25, 43-49.	0.4	28
56	Adsorption and hydraulic conductivity of landfill-leachate perfluorinated compounds in bentonite barrier mixtures. Journal of Environmental Management, 2015, 156, 236-243.	3.8	28
57	Phytoremediation of Metal-Contaminated Soil in Temperate Humid Regions of British Columbia, Canada. International Journal of Phytoremediation, 2009, 11, 575-590.	1.7	27
58	Heavyâ€Metal Contamination of Soil and Vegetables in Wastewaterâ€Irrigated Agricultural Soil in a Suburban Area of Hanoi, Vietnam. Communications in Soil Science and Plant Analysis, 2010, 41, 390-407.	0.6	26
59	Compositional Effects on Leaching of Stain-Guarded (Perfluoroalkyl and Polyfluoroalkyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 5 6564-6573.	4.6	26
60	Modeling of heavy metal migration in sand/bentonite and the leachate pH effect. Journal of Contaminant Hydrology, 1998, 33, 313-336.	1.6	25
61	The Use of Indoor Air Measurements To Evaluate Intrusion of Subsurface VOC Vapors into Buildings. Journal of the Air and Waste Management Association, 2001, 51, 1318-1331.	0.9	25
62	Influence of various factors on the difference in the liquid limit values determined by Casagrandeâ€™s and fall cone method. Environmental Earth Sciences, 2012, 65, 21-27.	1.3	24
63	Simultaneous removal of polycyclic aromatic hydrocarbons and heavy metals from natural soil by combined non-ionic surfactants and EDTA as extracting reagents: Laboratory column tests. Journal of Environmental Management, 2019, 248, 109258.	3.8	24
64	Removal of polycyclic aromatic hydrocarbons from aqueous media using modified clinoptilolite. Journal of Environmental Management, 2020, 273, 111113.	3.8	24
65	Zinc removal from acid rock drainage by clinoptilolite in a slurry bubble column. Applied Clay Science, 2010, 50, 158-163.	2.6	23
66	A risk assessment index for bioavailability of metals in sediments: Anzali International Wetland case study. Environmental Earth Sciences, 2015, 73, 2115-2126.	1.3	23
67	Microplastic removal from urban stormwater: Current treatments and research gaps. Journal of Environmental Management, 2022, 317, 115510.	3.8	23
68	Retention Capacity and Environmental Mobility of Pb in Soils along Highway Corridor. Water, Air, and Soil Pollution, 2006, 170, 211-227.	1.1	22
69	Co-production of phenolic-rich bio-oil and magnetic biochar for phosphate removal via bauxite-residue-catalysed microwave pyrolysis of switchgrass. Journal of Cleaner Production, 2022, 333, 130090.	4.6	22
70	Numerical Simulation of Transport of Four Heavy Metals in Kaolinite Clay. Journal of Environmental Engineering, ASCE, 1999, 125, 314-324.	0.7	21
71	Polybrominated Diphenyl Ether Leachability from Biosolids and Their Partitioning Characteristics in the Leachate. Water, Air, and Soil Pollution, 2010, 209, 109-121.	1.1	21
72	Investigation of Past and Present Multi-metal Input along Two Highways of British Columbia, Canada, Using Lead Isotopic Signatures. Water, Air, and Soil Pollution, 2007, 184, 127-139.	1.1	19

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73	Content, speciation and pollution assessment of Cu, Pb and Zn in soil around the leadâ€“zinc smelting plant of Baoji, NW China. Environmental Earth Sciences, 2015, 73, 5281-5288.	1.3	19
74	Predictability of physicochemical properties of polychlorinated dibenzo-p-dioxins (PCDDs) based on single-molecular descriptor models. Environmental Pollution, 2016, 213, 99-111.	3.7	18
75	Kisameet Glacial Clay: an Unexpected Source of Bacterial Diversity. MBio, 2017, 8, .	1.8	18
76	Remediation of Acid Rock Drainage by Regenerable Natural Clinoptilolite. Water, Air, and Soil Pollution, 2007, 180, 11-27.	1.1	17
77	Evaluation of the Johnson and Ettinger Model for Prediction of Indoor Air Quality. Ground Water Monitoring and Remediation, 2003, 23, 62-76.	0.6	15
78	Exploratory study on modification of sludge-based activated carbon for nutrient removal from stormwater runoff. Journal of Environmental Management, 2018, 226, 37-45.	3.8	15
79	An Environmental Risk Assessment of Radon in Lantian Karst Cave of Shaanxi, China. Water, Air, and Soil Pollution, 2009, 198, 307-316.	1.1	14
80	Effect of Amendments on Phytoavailability and Fractionation of Copper and Zinc in a Contaminated Soil. International Journal of Phytoremediation, 2010, 12, 697-715.	1.7	14
81	Migration of polybrominated diphenyl ethers in biosolids-amended soil. Environmental Pollution, 2013, 172, 124-130.	3.7	14
82	Heavy Metal Pollution of the To-Lich and Kim-Nguu River in Hanoi City and the Industrial Source of the Pollutants. Journal of the Faculty of Agriculture, Kyushu University, 2007, 52, 141-146.	0.1	13
83	Assessment of the water quality of two rivers in Hanoi City and its suitability for irrigation water. Paddy and Water Environment, 2008, 6, 257-262.	1.0	12
84	Phytostabilisationâ€"A Sustainable Remediation Technique for Zinc in Soils. Water, Air and Soil Pollution, 2009, 9, 253-260.	0.8	12
85	Acid rock drainage treatment by clinoptilolite with slurry bubble column: Sustainable zinc removal with regeneration of clinoptilolite. Applied Clay Science, 2013, 80-81, 31-37.	2.6	12
86	Fate of perfluorooctanoic acid (PFOA) in sewage sludge during microwave-assisted persulfate oxidation treatment. Environmental Science and Pollution Research, 2018, 25, 10126-10134.	2.7	12
87	Regeneration of natural Bear River clinoptilolite sorbents used to remove Zn from acid mine drainage in a slurry bubble column. Applied Clay Science, 2012, 55, 83-87.	2.6	11
88	Effect of substrate concentrations on aerobic biotransformation of 6:2 fluorotelomer sulfonate (6:2) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	4.2	11
89	Adsorption of polycyclic aromatic hydrocarbons by surfactant-modified clinoptilolites for landfill leachate treatment. Waste Management, 2021, 131, 503-512.	3.7	11
90	Modeling of zinc adsorption onto clinoptilolite in a slurry bubble column. Chemical Engineering Science, 2013, 100, 326-331.	1.9	10

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91	Semicontinuous Operation of One-Stage Autothermal Thermophilic Aerobic Digestion of Sewage Sludge: Effects of Retention Time. Journal of Environmental Engineering, ASCE, 2013, 139, 422-427.	0.7	10
92	Sorption of organic pollutants frequently detected in stormwater: evaluation of five potential sorbents. Environmental Technology (United Kingdom), 2018, 39, 2335-2345.	1.2	10
93	Phytoremediation and its effect on the mobility of metals in soil: a fractionation study. Land Contamination and Reclamation, 2009, 17, 223-236.	0.4	10
94	Dealumination of clinoptilolite and its effect on zinc removal from acid rock drainage. Chemosphere, 2014, 111, 427-433.	4.2	9
95	Adsorption of p-benzoquinone at low concentrations from aqueous media using biosolid-based activated carbon. Journal of Environmental Management, 2022, 316, 115263.	3.8	9
96	An Exploratory Investigation on the Mobility of Polybrominated Diphenyl Ethers (PBDEs) in Biosolid-Amended Soil. Water, Air, and Soil Pollution, 2012, 223, 2297-2309.	1.1	8
97	Effect of polybrominated diphenyl ethers on sand-bentonite liner material. Waste Management, 2019, 89, 73-82.	3.7	8
98	Broad-Spectrum Antimicrobial and Antibiofilm Activity of a Natural Clay Mineral from British Columbia, Canada. MBio, 2020, 11, .	1.8	8
99	Polybrominated Diphenyl Ethers Mobility in Biosolids-Amended Soils Using Leaching Column Tests. Water, Air, and Soil Pollution, 2011, 222, 77-90.	1.1	7
100	Sorption of DOM and hydrophobic organic compounds onto sewage-based activated carbon. Water Science and Technology, 2016, 74, 852-860.	1.2	5
101	Effect of Salt Concentrations on the Hydraulic conductivity of the MIxtures of Basalt soil and various Bentonites. Journal of the Faculty of Agriculture, Kyushu University, 2006, 51, 37-43.	0.1	5
102	Biosolids-based activated carbon for enhanced copper removal from citric-acid-rich aqueous media. Environmental Science and Pollution Research, 2022, 29, 74742-74755.	2.7	5
103	Trace Metal Contamination Due to Acid Rock Drainage and Its Impacts on the Fish-Bearing Pennask Creek Watershed, British Columbia. Water, Air, and Soil Pollution, 2013, 224, 1.	1.1	4
104	Exploratory study of removing nutrients from aqueous environments employing a green synthesised nano zero-valent iron. Environmental Technology (United Kingdom), 2022, 43, 2017-2032.	1.2	4
105	Exploring indirect photolysis of 6:2 fluorotelomer sulfonate in landfill leachate under simulated sunlight: effect of humic acid and nitrate. Environmental Science and Pollution Research, 2021, 28, 9508-9516.	2.7	3
106	Prediction of compressibility and hydraulic conductivity of soil-bentonite mixture. International Journal of Geotechnical Engineering, 2010, 4, 417-424.	1.1	1