

Loretta Y Li

List of Publications by Citations

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104
papers

4,132
citations

33
h-index

61
g-index

106
ext. papers

4,793
ext. citations

5.9
avg, IF

6
L-index

#	Paper	IF	Citations
104	Phytoremediation Technology: Hyper-accumulation Metals in Plants. <i>Water, Air, and Soil Pollution</i> , 2007 , 184, 105-126	2.6	524
103	Multivariate statistical analysis of heavy metals in street dust of Baoji, NW China. <i>Journal of Hazardous Materials</i> , 2010 , 173, 744-9	12.8	360
102	Heavy metals and polycyclic aromatic hydrocarbons: pollution and ecological risk assessment in street dust of Tehran. <i>Journal of Hazardous Materials</i> , 2012 , 227-228, 9-17	12.8	300
101	Assessment of metals pollution and health risk in dust from nursery schools in Xi'an, China. <i>Environmental Research</i> , 2014 , 128, 27-34	7.9	191
100	Contamination assessment of mercury and arsenic in roadway dust from Baoji, China. <i>Atmospheric Environment</i> , 2009 , 43, 2489-2496	5.3	142
99	Per- and polyfluoroalkyl substances in landfill leachate: patterns, time trends, and sources. <i>Environmental Science & Technology</i> , 2012 , 46, 11532-40	10.3	117
98	Review of the fate and transformation of per- and polyfluoroalkyl substances (PFASs) in landfills. <i>Environmental Pollution</i> , 2018 , 235, 74-84	9.3	111
97	Metal contamination in campus dust of Xi'an, China: a study based on multivariate statistics and spatial distribution. <i>Science of the Total Environment</i> , 2014 , 484, 27-35	10.2	91
96	An experimental study of vermi-biowaste composting for agricultural soil improvement. <i>Bioresour. Technol.</i> , 2008 , 99, 1672-81	11	91
95	Evaluation of vadose zone biodegradation of BTX vapours. <i>Journal of Contaminant Hydrology</i> , 2000 , 46, 233-264	3.9	81
94	Adsorption of organic stormwater pollutants onto activated carbon from sewage sludge. <i>Journal of Environmental Management</i> , 2017 , 197, 490-497	7.9	76
93	A study of iron mineral transformation to reduce red mud tailings. <i>Waste Management</i> , 2001 , 21, 525-348.6		76
92	Chemical characteristics of spring rainwater of Xi'an city, NW China. <i>Atmospheric Environment</i> , 2011 , 45, 5058-5063	5.3	65
91	Spatial distribution and risk assessment of metals in dust based on samples from nursery and primary schools of Xi'an, China. <i>Atmospheric Environment</i> , 2014 , 88, 172-182	5.3	62
90	Properties of Red Mud Tailings Produced under Varying Process Conditions. <i>Journal of Environmental Engineering, ASCE</i> , 1998 , 124, 254-264	2	58
89	Heavy Metal Sorption and Hydraulic Conductivity Studies Using Three Types of Bentonite Admixes. <i>Journal of Environmental Engineering, ASCE</i> , 2001 , 127, 420-429	2	53
88	Water quality assessment of Wei River, China using fuzzy synthetic evaluation. <i>Environmental Earth Sciences</i> , 2010 , 60, 1693-1699	2.9	50

87	Occurrence of PFCs and PBDEs in Landfill Leachates from Across Canada. <i>Water, Air, and Soil Pollution</i> , 2012 , 223, 3365-3372	2.6	49
86	Controlling factors of the swelling of various bentonites and their correlations with the hydraulic conductivity of soil-bentonite mixtures. <i>Applied Clay Science</i> , 2011 , 52, 78-84	5.2	46
85	The one-stage autothermal thermophilic aerobic digestion for sewage sludge treatment. <i>Chemical Engineering Journal</i> , 2011 , 174, 564-570	14.7	45
84	Feasibility of alternative sewage sludge treatment methods from a lifecycle assessment (LCA) perspective. <i>Journal of Cleaner Production</i> , 2020 , 247, 119495	10.3	44
83	Effect of bauxite properties on the settling of red mud. <i>International Journal of Mineral Processing</i> , 1996 , 48, 169-182		43
82	Selecting reliable physicochemical properties of perfluoroalkyl and polyfluoroalkyl substances (PFASs) based on molecular descriptors. <i>Environmental Pollution</i> , 2015 , 196, 462-72	9.3	42
81	Exploration of remediation of acid rock drainage with clinoptilolite as sorbent in a slurry bubble column for both heavy metal capture and regeneration. <i>Water Research</i> , 2006 , 40, 3359-66	12.5	42
80	Phytoavailability and fractionation of lead and manganese in a contaminated soil after application of three amendments. <i>Bioresource Technology</i> , 2010 , 101, 5667-76	11	41
79	Evaluation of Metal Loadings and Bioavailability in Air, Water and Soil Along Two Highways of British Columbia, Canada. <i>Water, Air, and Soil Pollution</i> , 2006 , 172, 81-108	2.6	41
78	Effect of salt of various concentrations on liquid limit, and hydraulic conductivity of different soil-bentonite mixtures. <i>Environmental Geology</i> , 2009 , 57, 1145-1153		38
77	The one-stage autothermal thermophilic aerobic digestion for sewage sludge treatment: stabilization process and mechanism. <i>Bioresource Technology</i> , 2012 , 104, 266-73	11	36
76	Influences of low molar mass organic acids on the adsorption of Cd ²⁺ and Pb ²⁺ by goethite and montmorillonite. <i>Applied Clay Science</i> , 2010 , 49, 281-287	5.2	36
75	The role of clay minerals and the effect of H ⁺ ions on removal of heavy metal (Pb ²⁺) from contaminated soils. <i>Canadian Geotechnical Journal</i> , 2000 , 37, 296-307	3.2	36
74	Isolation, identification and utilization of thermophilic strains in aerobic digestion of sewage sludge. <i>Water Research</i> , 2011 , 45, 5959-68	12.5	35
73	Filling the gap: estimating physicochemical properties of the full array of polybrominated diphenyl ethers (PBDEs). <i>Environmental Pollution</i> , 2013 , 180, 312-23	9.3	34
72	Evaluation of the Johnson and Ettinger Model for Prediction of Indoor Air Quality. <i>Ground Water Monitoring and Remediation</i> , 2003 , 23, 119-133	1.4	34
71	Mobility and Bioavailability of Trace Metals in the Water-Sediment System of the Highly Urbanized Brunette Watershed. <i>Water, Air, and Soil Pollution</i> , 2009 , 197, 249-266	2.6	33
70	Comparison, Validation, and Use of Models for Predicting Indoor Air Quality from Soil and Groundwater Contamination. <i>Soil and Sediment Contamination</i> , 2002 , 11, 491-527	3.2	33

69	Treatment of acid rock drainage by clinoptilolite: Adsorptivity and structural stability for different pH environments. <i>Applied Clay Science</i> , 2008 , 39, 1-9	5.2	31
68	The one-stage autothermal thermophilic aerobic digestion for sewage sludge treatment: Effects of temperature on stabilization process and sludge properties. <i>Chemical Engineering Journal</i> , 2012 , 197, 223-230	14.7	30
67	Waste-to-resources: Exploratory surface modification of sludge-based activated carbon by nitric acid for heavy metal adsorption. <i>Waste Management</i> , 2019 , 87, 375-386	8.6	29
66	Evaluation of low-cost materials for sorption of hydrophobic organic pollutants in stormwater. <i>Journal of Environmental Management</i> , 2015 , 159, 106-114	7.9	29
65	Enhancement of Electrokinetic Extraction from Lead-Spiked Soils. <i>Journal of Environmental Engineering, ASCE</i> , 2000 , 126, 849-857	2	29
64	Role of wastewater treatment plant (WWTP) in environmental cycling of poly- and perfluoroalkyl (PFAS) compounds. <i>Ecocycles</i> , 2016 , 2,	0.8	29
63	Leachability of municipal solid waste ashes in simulated landfill conditions. <i>Waste Management</i> , 2007 , 27, 932-45	8.6	28
62	Review of contamination of sewage sludge and amended soils by polybrominated diphenyl ethers based on meta-analysis. <i>Environmental Pollution</i> , 2017 , 220, 753-765	9.3	25
61	Aerobic biotransformation of fluorotelomer compounds in landfill leachate-sediment. <i>Science of the Total Environment</i> , 2020 , 713, 136547	10.2	25
60	Spatial distribution and contamination assessment of heavy metals in urban topsoil from inside the Xi'an second ringroad, NW China. <i>Environmental Earth Sciences</i> , 2013 , 68, 1979-1988	2.9	25
59	Removal of organic contaminants in bioretention medium amended with activated carbon from sewage sludge. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 19167-19180	5.1	25
58	Radiological hazards of coal and ash samples collected from Xi'an coal-fired power plants of China. <i>Environmental Earth Sciences</i> , 2012 , 66, 1925-1932	2.9	25
57	The use of indoor air measurements to evaluate intrusion of subsurface VOC vapors into buildings. <i>Journal of the Air and Waste Management Association</i> , 2001 , 51, 1318-31	2.4	24
56	Influence of the bentonite on the consolidation behaviour of soil-bentonite mixtures. <i>Carbonates and Evaporites</i> , 2010 , 25, 43-49	1.3	23
55	Rhizosphere Influence and Seasonal Impact on Phytostabilisation of Metals: A Field Study. <i>Water, Air, and Soil Pollution</i> , 2012 , 223, 107-124	2.6	22
54	Modeling of heavy metal migration in sand/bentonite and the leachate pH effect. <i>Journal of Contaminant Hydrology</i> , 1998 , 33, 313-336	3.9	22
53	Desorption and mobility mechanisms of co-existing polycyclic aromatic hydrocarbons and heavy metals in clays and clay minerals. <i>Journal of Environmental Management</i> , 2018 , 214, 204-214	7.9	20
52	Influence of various factors on the difference in the liquid limit values determined by Casagrande's and fall cone method. <i>Environmental Earth Sciences</i> , 2012 , 65, 21-27	2.9	20

51	Phytoremediation of metal-contaminated soil in temperate humid regions of British Columbia, Canada. <i>International Journal of Phytoremediation</i> , 2009 , 11, 575-90	3.9	20
50	Polybrominated Diphenyl Ether Leachability from Biosolids and Their Partitioning Characteristics in the Leachate. <i>Water, Air, and Soil Pollution</i> , 2010 , 209, 109-121	2.6	20
49	Heavy-Metal Contamination of Soil and Vegetables in Wastewater-Irrigated Agricultural Soil in a Suburban Area of Hanoi, Vietnam. <i>Communications in Soil Science and Plant Analysis</i> , 2010 , 41, 390-407	1.5	19
48	Zinc removal from acid rock drainage by clinoptilolite in a slurry bubble column. <i>Applied Clay Science</i> , 2010 , 50, 158-163	5.2	19
47	Retention Capacity and Environmental Mobility of Pb in Soils along Highway Corridor. <i>Water, Air, and Soil Pollution</i> , 2006 , 170, 211-227	2.6	19
46	A risk assessment index for bioavailability of metals in sediments: Anzali International Wetland case study. <i>Environmental Earth Sciences</i> , 2015 , 73, 2115-2126	2.9	18
45	Formation of perfluorocarboxylic acids from 6:2 fluorotelomer sulfonate (6:2 FTS) in landfill leachate: Role of microbial communities. <i>Environmental Pollution</i> , 2020 , 259, 113835	9.3	18
44	Content, speciation and pollution assessment of Cu, Pb and Zn in soil around the lead-zinc smelting plant of Baoji, NW China. <i>Environmental Earth Sciences</i> , 2015 , 73, 5281-5288	2.9	17
43	Investigation of Past and Present Multi-metal Input along Two Highways of British Columbia, Canada, Using Lead Isotopic Signatures. <i>Water, Air, and Soil Pollution</i> , 2007 , 184, 127-139	2.6	17
42	Adsorption and hydraulic conductivity of landfill-leachate perfluorinated compounds in bentonite barrier mixtures. <i>Journal of Environmental Management</i> , 2015 , 156, 236-43	7.9	16
41	Numerical Simulation of Transport of Four Heavy Metals in Kaolinite Clay. <i>Journal of Environmental Engineering, ASCE</i> , 1999 , 125, 314-324	2	16
40	Compositional effects on leaching of stain-guarded (perfluoroalkyl and polyfluoroalkyl substance-treated) carpet in landfill leachate. <i>Environmental Science & Technology</i> , 2015 , 49, 6564-73 ^{10.3}	10.3	15
39	Evaluation of the Johnson and Ettinger Model for Prediction of Indoor Air Quality. <i>Ground Water Monitoring and Remediation</i> , 2003 , 23, 62-76	1.4	15
38	Kisameet Glacial Clay: an Unexpected Source of Bacterial Diversity. <i>MBio</i> , 2017 , 8,	7.8	14
37	Predictability of physicochemical properties of polychlorinated dibenzo-p-dioxins (PCDDs) based on single-molecular descriptor models. <i>Environmental Pollution</i> , 2016 , 213, 99-111	9.3	14
36	An Environmental Risk Assessment of Radon in Lantian Karst Cave of Shaanxi, China. <i>Water, Air, and Soil Pollution</i> , 2009 , 198, 307-316	2.6	14
35	Removal of polycyclic aromatic hydrocarbons from aqueous media using modified clinoptilolite. <i>Journal of Environmental Management</i> , 2020 , 273, 111113	7.9	14
34	Effect of organic matter and selected heavy metals on sorption of acenaphthene, fluorene and fluoranthene onto various clays and clay minerals. <i>Environmental Earth Sciences</i> , 2018 , 77, 1	2.9	13

33	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. <i>Journal of Environmental Management</i> , 2019 , 248, 109258	7.9	13
32	Migration of polybrominated diphenyl ethers in biosolids-amended soil. <i>Environmental Pollution</i> , 2013 , 172, 124-30	9.3	13
31	Remediation of Acid Rock Drainage by Regenerable Natural Clinoptilolite. <i>Water, Air, and Soil Pollution</i> , 2007 , 180, 11-27	2.6	13
30	Effect of amendments on phytoavailability and fractionation of copper and zinc in a contaminated soil. <i>International Journal of Phytoremediation</i> , 2010 , 12, 697-715	3.9	11
29	Phytostabilisation: A Sustainable Remediation Technique for Zinc in Soils. <i>Water, Air and Soil Pollution</i> , 2009 , 9, 253-260		11
28	Assessment of the water quality of two rivers in Hanoi City and its suitability for irrigation water. <i>Paddy and Water Environment</i> , 2008 , 6, 257-262	1.6	11
27	Heavy Metal Pollution of the To-Lich and Kim-Nguu River in Hanoi City and the Industrial Source of the Pollutants. <i>Journal of the Faculty of Agriculture, Kyushu University</i> , 2007 , 52, 141-146	1.1	10
26	Fate of perfluorooctanoic acid (PFOA) in sewage sludge during microwave-assisted persulfate oxidation treatment. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 10126-10134	5.1	9
25	Regeneration of natural Bear River clinoptilolite sorbents used to remove Zn from acid mine drainage in a slurry bubble column. <i>Applied Clay Science</i> , 2012 , 55, 83-87	5.2	9
24	Acid rock drainage treatment by clinoptilolite with slurry bubble column: Sustainable zinc removal with regeneration of clinoptilolite. <i>Applied Clay Science</i> , 2013 , 80-81, 31-37	5.2	9
23	Phytoremediation and its effect on the mobility of metals in soil: a fractionation study. <i>Land Contamination and Reclamation</i> , 2009 , 17, 223-236		9
22	Exploratory study on modification of sludge-based activated carbon for nutrient removal from stormwater runoff. <i>Journal of Environmental Management</i> , 2018 , 226, 37-45	7.9	8
21	An Exploratory Investigation on the Mobility of Polybrominated Diphenyl Ethers (PBDEs) in Biosolid-Amended Soil. <i>Water, Air, and Soil Pollution</i> , 2012 , 223, 2297-2309	2.6	8
20	Modeling of zinc adsorption onto clinoptilolite in a slurry bubble column. <i>Chemical Engineering Science</i> , 2013 , 100, 326-331	4.4	7
19	Semicontinuous Operation of One-Stage Autothermal Thermophilic Aerobic Digestion of Sewage Sludge: Effects of Retention Time. <i>Journal of Environmental Engineering, ASCE</i> , 2013 , 139, 422-427	2	7
18	Sorption of organic pollutants frequently detected in stormwater: evaluation of five potential sorbents. <i>Environmental Technology (United Kingdom)</i> , 2018 , 39, 2335-2345	2.6	7
17	Effect of polybrominated diphenyl ethers on sand-bentonite liner material. <i>Waste Management</i> , 2019 , 89, 73-82	8.6	6
16	Dealumination of clinoptilolite and its effect on zinc removal from acid rock drainage. <i>Chemosphere</i> , 2014 , 111, 427-33	8.4	6

15	Polybrominated Diphenyl Ethers Mobility in Biosolids-Amended Soils Using Leaching Column Tests. <i>Water, Air, and Soil Pollution</i> , 2011 , 222, 77-90	2.6	6
14	Bauxite residue as a catalyst for microwave-assisted pyrolysis of switchgrass to high quality bio-oil and biochar. <i>Chemical Engineering Journal</i> , 2021 , 426, 131294	14.7	6
13	Co-production of phenolic-rich bio-oil and magnetic biochar for phosphate removal via bauxite-residue-catalysed microwave pyrolysis of switchgrass. <i>Journal of Cleaner Production</i> , 2022 , 333, 130090	10.3	5
12	Sludge-based activated carbon and its application in the removal of perfluoroalkyl substances: A feasible approach towards a circular economy.. <i>Chemosphere</i> , 2022 , 133707	8.4	5
11	Sorption of DOM and hydrophobic organic compounds onto sewage-based activated carbon. <i>Water Science and Technology</i> , 2016 , 74, 852-60	2.2	4
10	Comparative life-cycle assessment of pyrolysis processes for producing bio-oil, biochar, and activated carbon from sewage sludge. <i>Resources, Conservation and Recycling</i> , 2022 , 181, 106273	11.9	4
9	Trace Metal Contamination Due to Acid Rock Drainage and Its Impacts on the Fish-Bearing Pennask Creek Watershed, British Columbia. <i>Water, Air, and Soil Pollution</i> , 2013 , 224, 1	2.6	3
8	Effect of Salt Concentrations on the Hydraulic conductivity of the Mixtures of Basalt soil and various Bentonites. <i>Journal of the Faculty of Agriculture, Kyushu University</i> , 2006 , 51, 37-43	1.1	3
7	Broad-Spectrum Antimicrobial and Antibiofilm Activity of a Natural Clay Mineral from British Columbia, Canada. <i>MBio</i> , 2020 , 11,	7.8	3
6	Effect of substrate concentrations on aerobic biotransformation of 6:2 fluorotelomer sulfonate (6:2 FTS) in landfill leachate. <i>Chemosphere</i> , 2020 , 261, 128108	8.4	3
5	Adsorption of polycyclic aromatic hydrocarbons by surfactant-modified clinoptilolites for landfill leachate treatment. <i>Waste Management</i> , 2021 , 131, 503-512	8.6	3
4	Exploring indirect photolysis of 6:2 fluorotelomer sulfonate in landfill leachate under simulated sunlight: effect of humic acid and nitrate. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 9508-9516	5.1	2
3	Prediction of compressibility and hydraulic conductivity of soil-bentonite mixture. <i>International Journal of Geotechnical Engineering</i> , 2010 , 4, 417-424	1.5	1
2	Exploratory study of removing nutrients from aqueous environments employing a green synthesised nano zero-valent iron. <i>Environmental Technology (United Kingdom)</i> , 2020 , 1-16	2.6	1
1	Adsorption of p-benzoquinone at low concentrations from aqueous media using biosolid-based activated carbon.. <i>Journal of Environmental Management</i> , 2022 , 316, 115263	7.9	0