

Laura A Wendling

List of Publications by Year in descending order

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42
papers

1,236
citations

361413

20
h-index

377865

34
g-index

42
all docs

42
docs citations

42
times ranked

1449
citing authors

#	ARTICLE	IF	CITATIONS
1	Key Enablers of and Barriers to the Uptake and Implementation of Nature-Based Solutions in Urban Settings: A Review. <i>Resources</i> , 2019, 8, 121.	3.5	148
2	Loss of soil and PM10 from agricultural fields associated with high winds on the Columbia Plateau. <i>Earth Surface Processes and Landforms</i> , 2007, 32, 621-630.	2.5	107
3	Low-Cost Biochar Adsorbents for Water Purification Including Microplastics Removal. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 788.	2.5	100
4	Hydrotalcite Formation for Contaminant Removal from Ranger Mine Process Water. <i>Mine Water and the Environment</i> , 2010, 29, 108-115.	2.0	81
5	Phosphorus sorption and recovery using mineral-based materials: Sorption mechanisms and potential phytoavailability. <i>Applied Geochemistry</i> , 2013, 37, 157-169.	3.0	79
6	Benchmarking Nature-Based Solution and Smart City Assessment Schemes Against the Sustainable Development Goal Indicator Framework. <i>Frontiers in Environmental Science</i> , 2018, 6, .	3.3	60
7	Windblown dust affected by tillage intensity during summer fallow. <i>Aeolian Research</i> , 2010, 2, 129-134.	2.7	52
8	A method for determining the treatment dosage of drinking water treatment residuals for effective phosphorus immobilization in sediments. <i>Ecological Engineering</i> , 2013, 60, 421-427.	3.6	48
9	Feasibility of Using Drinking Water Treatment Residuals as a Novel Chlorpyrifos Adsorbent. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 7446-7452.	5.2	40
10	Cesium Desorption from Illite as Affected by Exudates from Rhizosphere Bacteria. <i>Environmental Science & Technology</i> , 2005, 39, 4505-4512.	10.0	37
11	A Predictive Model of the Effects of Aging on Cobalt Fate and Behavior in Soil. <i>Environmental Science & Technology</i> , 2009, 43, 135-141.	10.0	36
12	Potential Technologies for the Removal and Recovery of Nitrogen Compounds From Mine and Quarry Waters in Subarctic Conditions. <i>Critical Reviews in Environmental Science and Technology</i> , 2015, 45, 703-748.	12.8	33
13	Bioleaching phosphorus from fluorapatites with acidophilic bacteria. <i>Hydrometallurgy</i> , 2014, 150, 269-275.	4.3	29
14	Cesium Sorption to Illite as Affected by Oxalate. <i>Clays and Clay Minerals</i> , 2004, 52, 375-381.	1.3	27
15	Aging Effects on Cobalt Availability in Soils. <i>Environmental Toxicology and Chemistry</i> , 2009, 28, 1609-1617.	4.3	26
16	Surface characteristics of a windblown soil altered by tillage intensity during summer fallow. <i>Aeolian Research</i> , 2012, 5, 1-7.	2.7	26
17	Nutrient and dissolved organic carbon removal from natural waters using industrial by-products. <i>Science of the Total Environment</i> , 2013, 442, 63-72.	8.0	26
18	Behavior of chlorpyrifos and its major metabolite TCP (3,5,6-trichloro-2-pyridinol) in agricultural soils amended with drinking water treatment residuals. <i>Journal of Soils and Sediments</i> , 2017, 17, 889-900.	3.0	26

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19	Drinking water treatment residual use in urban soils: Balancing metal immobilization and phosphorus availability. <i>Geoderma</i> , 2017, 305, 113-121.	5.1	22
20	Fine Particle Emission Potential from Loam Soils in a Semiarid Region. <i>Soil Science Society of America Journal</i> , 2011, 75, 2262-2270.	2.2	21
21	Nutrient and dissolved organic carbon removal from water using mining and metallurgical by-products. <i>Water Research</i> , 2012, 46, 2705-2717.	11.3	21
22	Mine Water as a Resource: Selective Removal and Recovery of Trace Antimony from Mine-Impacted Water. <i>Mine Water and the Environment</i> , 2019, 38, 431-446.	2.0	17
23	Barriers to the Adoption of Urban Living Labs for NBS Implementation: A Systemic Perspective. <i>Sustainability</i> , 2021, 13, 13276.	3.2	16
24	A Novel Technique to Determine Cobalt Exchangeability in Soils Using Isotope Dilution. <i>Environmental Science & Technology</i> , 2008, 42, 140-146.	10.0	15
25	Use of Fe/Al drinking water treatment residuals as amendments for enhancing the retention capacity of glyphosate in agricultural soils. <i>Journal of Environmental Sciences</i> , 2015, 34, 133-142.	6.1	14
26	Cobalt Distribution and Speciation: Effect of Aging, Intermittent Submergence, In Situ Rice Roots. <i>Journal of Environmental Quality</i> , 2011, 40, 679-695.	2.0	12
27	Geochemical and ecotoxicological assessment of iron and steel-making slags for potential use in environmental applications. <i>Environmental Toxicology and Chemistry</i> , 2013, 32, 2602-2610.	4.3	12
28	Comparison of metals extractability from Al/Fe-based drinking water treatment residuals. <i>Environmental Science and Pollution Research</i> , 2014, 21, 13528-13538.	5.3	12
29	Sorption of pesticides by a mineral sand mining by-product, neutralised used acid (NUA). <i>Science of the Total Environment</i> , 2013, 442, 255-262.	8.0	11
30	Ecotoxicological assessment of dewatered drinking water treatment residue for environmental recycling. <i>Environmental Technology (United Kingdom)</i> , 2017, 38, 2241-2252.	2.2	10
31	Building climate resilience through nature-based solutions in Europe: A review of enabling knowledge, finance and governance frameworks. <i>Climate Risk Management</i> , 2022, 37, 100450.	3.2	9
32	Growth Regulator Effects of Propiconazole on Redroot Pigweed (<i>Amaranthus retroflexus</i>)1. <i>Weed Technology</i> , 2003, 17, 777-781.	0.9	8
33	Biological nitrification inhibition by root exudates of native species, <i>Hibiscus splendens</i> and <i>Solanum echinatum</i> . <i>PeerJ</i> , 2018, 6, e4960.	2.0	8
34	Productive use of steelmaking by-product in environmental applications – II: Leachate geochemistry, ecotoxicity and environmental radioactivity. <i>Minerals Engineering</i> , 2012, 39, 219-227.	4.3	7
35	Editorial: Introduction to the Nature-Based Solutions journal. <i>Nature-based Solutions</i> , 2021, 1, 100003.	3.8	7
36	Repeating Knowledge Application Practice to Improve Student Performance in a Large, Introductory Science Course. <i>International Journal of Science Education</i> , 2015, 37, 2906-2922.	1.9	6

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37	Rhizosphere Effects on Cesium Fixation Sites of Soil Containing Micaceous Clays. Soil Science Society of America Journal, 2005, 69, 1652-1657.	2.2	5
38	Productive use of steelmaking by-product in environmental applications (I): Mineralogy and major and trace element geochemistry. Minerals Engineering, 2012, 35, 49-56.	4.3	5
39	Major Element, Trace Element, Nutrient, and Radionuclide Mobility in a Mining By-Product-Amended Soil. Journal of Environmental Quality, 2012, 41, 1818-1834.	2.0	5
40	Mineral Processing Residue Use as Substrate in a Modular Engineered Wetland for Wastewater Treatment. Environmental Processes, 2017, 4, 523-547.	3.5	5
41	Sequential Bioleaching of Phosphorus and Uranium. Minerals (Basel, Switzerland), 2019, 9, 331.	2.0	5
42	Environmental toxicity and radioactivity assessment of a titanium processing residue with potential for environmental use. Environmental Toxicology and Chemistry, 2013, 32, 1443-1452.	4.3	2