

Weiping Chen

List of Publications by Citations

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121
papers

3,959
citations

34
h-index

59
g-index

125
ext. papers

4,844
ext. citations

6.7
avg, IF

5.97
L-index

#	Paper	IF	Citations
121	Polycyclic aromatic hydrocarbons in urban soils of Beijing: status, sources, distribution and potential risk. <i>Environmental Pollution</i> , 2011 , 159, 802-8	9.3	339
120	An overview of reclaimed water reuse in China. <i>Journal of Environmental Sciences</i> , 2011 , 23, 1585-93	6.4	191
119	Wastewater reclamation and reuse in China: Opportunities and challenges. <i>Journal of Environmental Sciences</i> , 2016 , 39, 86-96	6.4	177
118	Assessing the effectiveness of green infrastructures on urban flooding reduction: A community scale study. <i>Ecological Modelling</i> , 2014 , 291, 6-14	3	140
117	Quantitative assessment on soil enzyme activities of heavy metal contaminated soils with various soil properties. <i>Chemosphere</i> , 2015 , 139, 604-8	8.4	117
116	Effects of salinity and nitrogen on cotton growth in arid environment. <i>Plant and Soil</i> , 2010 , 326, 61-73	4.2	117
115	Evaluating salinity distribution in soil irrigated with saline water in arid regions of northwest China. <i>Agricultural Water Management</i> , 2010 , 97, 2001-2008	5.9	101
114	Reclaimed water: A safe irrigation water source?. <i>Environmental Development</i> , 2013 , 8, 74-83	4.1	99
113	Assessing long-term environmental risks of trace elements in phosphate fertilizers. <i>Ecotoxicology and Environmental Safety</i> , 2007 , 67, 48-58	7	99
112	Risk assessment of Cd polluted paddy soils in the industrial and township areas in Hunan, Southern China. <i>Chemosphere</i> , 2016 , 144, 346-51	8.4	92
111	Spatial pattern of heavy metals accumulation risk in urban soils of Beijing and its influencing factors. <i>Environmental Pollution</i> , 2016 , 210, 174-81	9.3	81
110	A GIS technology based potential eco-risk assessment of metals in urban soils in Beijing, China. <i>Environmental Pollution</i> , 2012 , 161, 235-42	9.3	81
109	The eco-toxic effects of pesticide and heavy metal mixtures towards earthworms in soil. <i>Environmental Toxicology and Pharmacology</i> , 2017 , 55, 20-29	5.8	78
108	Linking ecosystem services and ecosystem health to ecological risk assessment: A case study of the Beijing-Tianjin-Hebei urban agglomeration. <i>Science of the Total Environment</i> , 2018 , 636, 1442-1454	10.2	77
107	Assessing the combined risks of PAHs and metals in urban soils by urbanization indicators. <i>Environmental Pollution</i> , 2013 , 178, 426-32	9.3	72
106	Temporal variation and spatial scale dependency of ecosystem service interactions: a case study on the central Loess Plateau of China. <i>Landscape Ecology</i> , 2017 , 32, 1201-1217	4.3	69
105	Identification of heavy metal pollutants using multivariate analysis and effects of land uses on their accumulation in urban soils in Beijing, China. <i>Environmental Monitoring and Assessment</i> , 2012 , 184, 5889-97	3.7	68

104	Fates and transport of PPCPs in soil receiving reclaimed water irrigation. <i>Chemosphere</i> , 2013 , 93, 2621-30.4	3.4	59
103	Soil enzyme activities of long-term reclaimed wastewater-irrigated soils. <i>Journal of Environmental Quality</i> , 2008 , 37, S36-42	3.4	59
102	Regional probabilistic risk assessment of heavy metals in different environmental media and land uses: An urbanization-affected drinking water supply area. <i>Scientific Reports</i> , 2016 , 6, 37084	4.9	58
101	Leachability of some emerging contaminants in reclaimed municipal wastewater-irrigated turf grass fields. <i>Environmental Toxicology and Chemistry</i> , 2009 , 28, 1842-50	3.8	58
100	Impact of reclaimed water irrigation on soil health in urban green areas. <i>Chemosphere</i> , 2015 , 119, 654-663.4	3.4	55
99	Regional accumulation characteristics of cadmium in vegetables: Influencing factors, transfer model and indication of soil threshold content. <i>Environmental Pollution</i> , 2016 , 219, 1036-1043	9.3	54
98	Vegetative cover and PAHs accumulation in soils of urban green space. <i>Environmental Pollution</i> , 2012 , 161, 36-42	9.3	47
97	Accumulation of Cd in agricultural soil under long-term reclaimed water irrigation. <i>Environmental Pollution</i> , 2013 , 178, 294-9	9.3	47
96	Perceptions of Different Stakeholders on Reclaimed Water Reuse: The Case of Beijing, China. <i>Sustainability</i> , 2015 , 7, 9696-9710	3.6	46
95	Microbial biomass carbon and enzyme activities of urban soils in Beijing. <i>Environmental Science and Pollution Research</i> , 2011 , 18, 958-67	5.1	45
94	Characterizing the solid-solution partitioning coefficient and plant uptake factor of As, Cd, and Pb in California croplands. <i>Agriculture, Ecosystems and Environment</i> , 2009 , 129, 212-220	5.7	45
93	Accumulation and health risk of heavy metals in a plot-scale vegetable production system in a peri-urban vegetable farm near Nanjing, China. <i>Ecotoxicology and Environmental Safety</i> , 2013 , 98, 303-9	7	44
92	Impacts of long-term reclaimed water irrigation on soil salinity accumulation in urban green land in Beijing. <i>Water Resources Research</i> , 2013 , 49, 7401-7410	5.4	43
91	The influence of structural factors on stormwater runoff retention of extensive green roofs: new evidence from scale-based models and real experiments. <i>Journal of Hydrology</i> , 2019 , 569, 230-238	6	41
90	Plant community, geographic distance and abiotic factors play different roles in predicting AMF biogeography at the regional scale in northern China. <i>Environmental Microbiology Reports</i> , 2016 , 8, 1048-1057	3.7	38
89	Effects of urbanization on heavy metal accumulation in surface soils, Beijing. <i>Journal of Environmental Sciences</i> , 2018 , 64, 328-334	6.4	37
88	Influences of setting sizes and combination of green infrastructures on community stormwater runoff reduction. <i>Ecological Modelling</i> , 2015 , 318, 236-244	3	35
87	Cadmium Accumulation Risk in Vegetables and Rice in Southern China: Insights From Solid-Solution Partitioning and Plant Uptake Factor. <i>Journal of Agricultural and Food Chemistry</i> , 2017 , 65, 5463-5469	5.7	34

86	Evaluation of the natural attenuation capacity of urban residential soils with ecosystem-service performance index (EPX) and entropy-weight methods. <i>Environmental Pollution</i> , 2018 , 238, 222-229	9.3	33
85	Spatial Analysis of PAHs in Soils along an Urban-Suburban-Rural Gradient: scale effect, distribution patterns, diffusion and influencing factors. <i>Scientific Reports</i> , 2016 , 6, 37185	4.9	33
84	Ecological risk evaluation of combined pollution of herbicide siduron and heavy metals in soils. <i>Science of the Total Environment</i> , 2018 , 626, 1047-1056	10.2	32
83	Assessing cadmium exposure risks of vegetables with plant uptake factor and soil property. <i>Environmental Pollution</i> , 2018 , 238, 263-269	9.3	32
82	Modelling cadmium contamination in paddy soils under long-term remediation measures: Model development and stochastic simulations. <i>Environmental Pollution</i> , 2016 , 216, 146-155	9.3	30
81	Cost-Benefit Analysis of Green Infrastructures on Community Stormwater Reduction and Utilization: A Case of Beijing, China. <i>Environmental Management</i> , 2016 , 58, 1015-1026	3.1	29
80	Manganese, Zinc, and pH Affect Cadmium Accumulation in Rice Grain under Field Conditions in Southern China. <i>Journal of Environmental Quality</i> , 2018 , 47, 306-311	3.4	29
79	Distribution and risks of polycyclic aromatic hydrocarbons in suburban and rural soils of Beijing with various land uses. <i>Environmental Monitoring and Assessment</i> , 2016 , 188, 162	3.1	28
78	Evaluation of combined toxicity of Siduron and cadmium on earthworm (<i>Eisenia fetida</i>) using Biomarker Response Index. <i>Science of the Total Environment</i> , 2019 , 646, 893-901	10.2	28
77	Mechanisms and uncertainties of Zn supply on regulating rice Cd uptake. <i>Environmental Pollution</i> , 2019 , 253, 959-965	9.3	28
76	Lime and Phosphate Amendment Can Significantly Reduce Uptake of Cd and Pb by Field-Grown Rice. <i>Sustainability</i> , 2017 , 9, 430	3.6	28
75	A root exudates based approach to assess the long-term phytoavailability of metals in biosolids-amended soils. <i>Environmental Pollution</i> , 2010 , 158, 2582-8	9.3	27
74	Contaminated sites in China: Countermeasures of provincial governments. <i>Journal of Cleaner Production</i> , 2017 , 147, 485-496	10.3	26
73	Solute Transfer from the Soil Surface to Overland Flow: A Review. <i>Soil Science Society of America Journal</i> , 2011 , 75, 1214-1225	2.5	26
72	A conservation decision-making framework based on ecosystem service hotspot and interaction analyses on multiple scales. <i>Science of the Total Environment</i> , 2018 , 643, 277-291	10.2	25
71	Evaluating the potential health risk of toxic trace elements in vegetables: Accounting for variations in soil factors. <i>Science of the Total Environment</i> , 2017 , 584-585, 942-949	10.2	24
70	Ecosystem services of human-dominated watersheds and land use influences: a case study from the Dianchi Lake watershed in China. <i>Environmental Monitoring and Assessment</i> , 2016 , 188, 652	3.1	24
69	The impacts of substrate and vegetation on stormwater runoff quality from extensive green roofs. <i>Journal of Hydrology</i> , 2019 , 576, 575-582	6	24

68	Leaching potential of nonsteroidal anti-inflammatory drugs in soils. <i>Environmental Toxicology and Chemistry</i> , 2010 , 29, 800-7	3.8	24
67	Health Risk Assessment of Trace Metals in Various Environmental Media, Crops and Human Hair from a Mining Affected Area. <i>International Journal of Environmental Research and Public Health</i> , 2017 , 14,	4.6	23
66	The influence of urbanization on organic carbon sequestration and cycling in soils of Beijing. <i>Landscape and Urban Planning</i> , 2018 , 169, 241-249	7.7	22
65	Integration of HYDRUS-1D and MODFLOW for evaluating the dynamics of salts and nitrogen in groundwater under long-term reclaimed water irrigation. <i>Irrigation Science</i> , 2019 , 37, 35-47	3.1	22
64	Ecotoxicological effects of binary mixtures of siduron and Cd on mRNA expression in the earthworm <i>Eisenia fetida</i> . <i>Science of the Total Environment</i> , 2018 , 610-611, 657-665	10.2	21
63	Ecological risks of polycyclic musk in soils irrigated with reclaimed municipal wastewater. <i>Ecotoxicology and Environmental Safety</i> , 2013 , 97, 242-7	7	20
62	Impacts of urbanization and landscape patterns on the earthworm communities in residential areas in Beijing. <i>Science of the Total Environment</i> , 2018 , 626, 1261-1269	10.2	19
61	Limestone dosage response of cadmium phytoavailability minimization in rice: A trade-off relationship between soil pH and amorphous manganese content. <i>Journal of Hazardous Materials</i> , 2021 , 403, 123664	12.8	19
60	Soil quality assessment of urban green space under long-term reclaimed water irrigation. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 4639-49	5.1	18
59	Impacts of urbanization and landscape patterns on the accumulation of heavy metals in soils in residential areas in Beijing. <i>Journal of Soils and Sediments</i> , 2019 , 19, 148-158	3.4	18
58	Leaching risk of N-nitrosodimethylamine (NDMA) in soil receiving reclaimed wastewater. <i>Ecotoxicology and Environmental Safety</i> , 2008 , 69, 374-80	7	17
57	Evaluation of combined noxious effects of siduron and cadmium on the earthworm <i>Eisenia fetida</i> . <i>Environmental Science and Pollution Research</i> , 2017 , 24, 5349-5359	5.1	15
56	Fuzzy synthetic evaluation of contaminated site management policy from the perspective of stakeholders: A case study from China. <i>Journal of Cleaner Production</i> , 2018 , 198, 1593-1601	10.3	15
55	Using a conceptual site model for assessing the sustainability of brownfield regeneration for a soft reuse: A case study of Port Sunlight River Park (U.K.). <i>Science of the Total Environment</i> , 2019 , 652, 810-821	10.2	15
54	Trace element uptake dynamics for maize (<i>Zea mays</i> L.) grown under field conditions. <i>Plant and Soil</i> , 2013 , 370, 471-483	4.2	14
53	Effects of land use intensity on the natural attenuation capacity of urban soils in Beijing, China. <i>Ecotoxicology and Environmental Safety</i> , 2015 , 117, 89-95	7	13
52	Mass balance-based regression modeling of PAHs accumulation in urban soils, role of urban development. <i>Environmental Pollution</i> , 2015 , 197, 21-27	9.3	13
51	Characterization of adsorption and desorption of lawn herbicide siduron in heavy metal contaminated soils. <i>Chemosphere</i> , 2018 , 204, 483-491	8.4	13

50	Prioritizing environmental risks of pharmaceuticals and personal care products in reclaimed water on urban green space in Beijing. <i>Science of the Total Environment</i> , 2019 , 697, 133850	10.2	13
49	A framework for the urban eco-metabolism model - Linking metabolic processes to spatial patterns. <i>Journal of Cleaner Production</i> , 2017 , 165, 168-176	10.3	13
48	Assessing the effect of long-term crop cultivation on distribution of Cd in the root zone. <i>Ecological Modelling</i> , 2009 , 220, 1836-1843	3	13
47	Application of stress index in evaluating toxicological response of soil microbial community to contaminants in soils. <i>Ecological Indicators</i> , 2017 , 75, 118-125	5.8	12
46	Dynamic capacity modelling of soil environment carrying capacity, and developing a soil quality early warning framework for development land in China. <i>Journal of Cleaner Production</i> , 2020 , 257, 120450	10.3	12
45	Effects of external Mn activities on OsNRAMP5 expression level and Cd accumulation in indica rice. <i>Environmental Pollution</i> , 2020 , 260, 113941	9.3	12
44	Mass balance-based regression modeling of Cd and Zn accumulation in urban soils of Beijing. <i>Journal of Environmental Sciences</i> , 2017 , 53, 99-106	6.4	10
43	Stormwater runoff and pollution retention performances of permeable pavements and the effects of structural factors. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 30831-30843	5.1	10
42	Evaluation of joint toxicity of heavy metals and herbicide mixtures in soils to earthworms (<i>Eisenia fetida</i>). <i>Journal of Environmental Sciences</i> , 2020 , 94, 137-146	6.4	9
41	Analysis of influencing factors on public perception in contaminated site management: Simulation by structural equation modeling at four sites in China. <i>Journal of Environmental Management</i> , 2018 , 210, 299-306	7.9	9
40	Multi-factors influencing the spatial distribution of polycyclic aromatic hydrocarbons in soils surrounding drinking water protection zone. <i>Journal of Environmental Sciences</i> , 2013 , 25, 1643-8	6.4	9
39	Metal uptake by corn grown on media treated with particle-size fractionated biosolids. <i>Science of the Total Environment</i> , 2008 , 392, 166-73	10.2	9
38	Dynamic interactions between soil cadmium and zinc affect cadmium phytoavailability to rice and wheat: Regional investigation and risk modeling. <i>Environmental Pollution</i> , 2020 , 267, 115613	9.3	9
37	Cadmium Uptake by Lettuce in Fields Treated with Cadmium-Spiked Phosphorus Fertilizers. <i>Communications in Soil Science and Plant Analysis</i> , 2009 , 40, 1124-1137	1.5	8
36	Inconsistent effects of limestone on rice cadmium uptake: Results from multi-scale field trials and large-scale investigation. <i>Science of the Total Environment</i> , 2020 , 709, 136226	10.2	8
35	Changes in the integrated functional stability of microbial community under chemical stresses and the impacting factors in field soils. <i>Ecological Indicators</i> , 2020 , 110, 105919	5.8	8
34	Scenario analysis of the impacts of socioeconomic development on phosphorous export and loading from the Dongting Lake watershed, China. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 26706-26723	5.1	7
33	Ecosystem service potential, flow, demand and their spatial associations: a comparison of the nutrient retention service between a human- and a nature-dominated watershed. <i>Science of the Total Environment</i> , 2020 , 748, 141341	10.2	7

32	Assessing the runoff retention of extensive green roofs using runoff coefficients and curve numbers and the impacts of substrate moisture 2020 , 51, 635-647		7
31	Bioaccessibility and source identification of heavy metals in agricultural soils contaminated by mining activities. <i>Environmental Earth Sciences</i> , 2018 , 77, 1	2.9	7
30	Diagnostic significance of metallothionein members in recognizing cadmium exposure in various organs under low-dose exposure. <i>Chemosphere</i> , 2019 , 229, 32-40	8.4	6
29	A new risk probability calculation method for urban ecological risk assessment. <i>Environmental Research Letters</i> , 2020 , 15, 024016	6.2	6
28	Modelling of the estimated contributions of different sub-watersheds and sources to phosphorous export and loading from the Dongting Lake watershed, China. <i>Environmental Monitoring and Assessment</i> , 2017 , 189, 602	3.1	6
27	Field simulation of urban surfaces runoff and estimation of runoff with experimental curve numbers. <i>Urban Water Journal</i> , 2018 , 15, 418-426	2.3	6
26	Ecological risk of combined pollution on soil ecosystem functions: Insight from the functional sensitivity and stability. <i>Environmental Pollution</i> , 2019 , 255, 113184	9.3	5
25	Ecological risk assessment of polymetallic sites using weight of evidence approach. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 154, 255-262	7	5
24	Cost-benefit analysis of reclaimed wastewater reuses in Beijing. <i>Desalination and Water Treatment</i> , 2013 , 1-10		5
23	Spatial-temporal risk assessment of urbanization impacts on ecosystem services based on pressure-status - response framework. <i>Scientific Reports</i> , 2019 , 9, 16806	4.9	5
22	Situations, challenges and strategies of urban water management in Beijing under rapid urbanization effect. <i>Water Science and Technology: Water Supply</i> , 2019 , 19, 115-127	1.4	5
21	Systematic and bibliographic review of sustainability indicators for contaminated site remediation: Comparison between China and western nations. <i>Environmental Research</i> , 2021 , 200, 111490	7.9	5
20	Runoff retention assessment for extensive green roofs and prioritization of structural factors at runoff plot scale using the Taguchi method. <i>Ecological Engineering</i> , 2019 , 138, 281-288	3.9	4
19	Ecological risks of polycyclic aromatic hydrocarbons found in coastal sediments along the northern shores of the Bohai Sea (China). <i>Chemistry and Ecology</i> , 2014 , 30, 501-512	2.3	4
18	Regional Variations of Public Perception on Contaminated Industrial Sites in China and Its Influencing Factors. <i>International Journal of Environmental Research and Public Health</i> , 2016 , 13, 410	4.6	4
17	Quantifying the contributions of structural factors on runoff water quality from green roofs and optimizing assembled combinations using Taguchi method. <i>Journal of Hydrology</i> , 2021 , 593, 125864	6	4
16	A Conceptual Framework for Classification Management of Contaminated Sites in Guangzhou, China. <i>Sustainability</i> , 2017 , 9, 362	3.6	3
15	A Two-Step Integrated MLP-GTWR Method to Estimate 1 km Land Surface Temperature with Complete Spatial Coverage in Humid, Cloudy Regions. <i>Remote Sensing</i> , 2021 , 13, 971	5	3

14	Historical and future trends of cadmium in rice soils deduced from long-term regional investigation and probabilistic modeling. <i>Journal of Hazardous Materials</i> , 2021 , 415, 125746	12.8	3
13	Estimation of the accumulation rates and health risks of heavy metals in residential soils of three metropolitan cities in China.. <i>Journal of Environmental Sciences</i> , 2022 , 115, 149-161	6.4	3
12	Identifying city-scale potential and priority areas for retrofitting green roofs and assessing their runoff reduction effectiveness in urban functional zones. <i>Journal of Cleaner Production</i> , 2022 , 332, 130064	10.3	2
11	Effects of reclaimed wastewater irrigation on soil-crop systems in China: A review.. <i>Science of the Total Environment</i> , 2021 , 152531	10.2	2
10	Trace Elements in Biosolids-Amended Soils 2010 , 111-133		1
9	Influences of impervious surfaces on ecological risks and controlling strategies in rapidly urbanizing regions.. <i>Science of the Total Environment</i> , 2022 , 825, 153823	10.2	1
8	Derivation of human health risk-based thresholds for lead in soils promote the production of safer wheat and rice.. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 230, 113131	7	1
7	Plant community, geographic distance and abiotic factors play different roles in predicting AMF biogeography at the regional scale in northern China. <i>Environmental Microbiology</i> , 2016 , 8, 1048	5.2	1
6	The application of urban anthropogenic background to pollution evaluation and source identification of soil contaminants in Macau, China. <i>Science of the Total Environment</i> , 2021 , 778, 146263	10.2	1
5	Effects of initial abstraction ratios in SCS-CN method on runoff prediction of green roofs in a semi-arid region. <i>Urban Forestry and Urban Greening</i> , 2021 , 65, 127331	5.4	1
4	Exposure to potentially toxic elements through the soil-tobacco-human pathway: causative factors and probabilistic model. <i>Science of the Total Environment</i> , 2021 , 151379	10.2	0
3	Quantifying source-specific intake risks of wheat cadmium by associating source contributions of soil cadmium with human health risk. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 228, 112982	7	0
2	Mitigating cadmium contamination of rice soils supporting tobacco-rice rotation in southern China: Win-win or lose-lose?. <i>Journal of Hazardous Materials</i> , 2021 , 425, 128052	12.8	0
1	Factors Influencing Earthworm Fauna in Parks in Megacity Beijing, China: An Application of a Synthetic and Simple Index (ESI). <i>Sustainability</i> , 2022 , 14, 6054	3.6	