Weiping Chen

List of Publications by Year in Descending Order

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Version: 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Identifying city-scale potential and priority areas for retrofitting green roofs and assessing their runoff reduction effectiveness in urban functional zones. *Journal of Cleaner Production*, **2022**, 332, 130064	10.3	2
120	Influences of impervious surfaces on ecological risks and controlling strategies in rapidly urbanizing regions.. *Science of the Total Environment*, **2022**, 825, 153823	10.2	1
119	Estimation of the accumulation rates and health risks of heavy metals in residential soils of three metropolitan cities in China.. *Journal of Environmental Sciences*, **2022**, 115, 149-161	6.4	3
118	Factors Influencing Earthworm Fauna in Parks in Megacity Beijing, China: An Application of a Synthetic and Simple Index (ESI). *Sustainability*, **2022**, 14, 6054	3.6	
117	Exposure to potentially toxic elements through the soil-tobacco-human pathway: causative factors and probabilistic model. *Science of the Total Environment*, **2021**, 151379	10.2	0
116	Quantifying source-specific intake risks of wheat cadmium by associating source contributions of soil cadmium with human health risk. *Ecotoxicology and Environmental Safety*, **2021**, 228, 112982	7	0
115	Derivation of human health risk-based thresholds for lead in soils promote the production of safer wheat and rice.. *Ecotoxicology and Environmental Safety*, **2021**, 230, 113131	7	1
114	Effects of reclaimed wastewater irrigation on soil-crop systems in China: A review.. *Science of the Total Environment*, **2021**, 152531	10.2	2
113	Mitigating cadmium contamination of rice soils supporting tobacco-rice rotation in southern China: Win-win or lose-lose?. *Journal of Hazardous Materials*, **2021**, 425, 128052	12.8	0
112	A Two-Step Integrated MLP-GTWR Method to Estimate 1 km Land Surface Temperature with Complete Spatial Coverage in Humid, Cloudy Regions. *Remote Sensing*, **2021**, 13, 971	5	3
111	Limestone dosage response of cadmium phytoavailability minimization in rice: A trade-off relationship between soil pH and amorphous manganese content. *Journal of Hazardous Materials*, **2021**, 403, 123664	12.8	19
110	Quantifying the contributions of structural factors on runoff water quality from green roofs and optimizing assembled combinations using Taguchi method. *Journal of Hydrology*, **2021**, 593, 125864	6	4
109	The application of urban anthropogenic background to pollution evaluation and source identification of soil contaminants in Macau, China. *Science of the Total Environment*, **2021**, 778, 146263	10.2	1
108	Historical and future trends of cadmium in rice soils deduced from long-term regional investigation and probabilistic modeling. *Journal of Hazardous Materials*, **2021**, 415, 125746	12.8	3
107	Systematic and bibliographic review of sustainability indicators for contaminated site remediation: Comparison between China and western nations. *Environmental Research*, **2021**, 200, 111490	7.9	5
106	Effects of initial abstraction ratios in SCS-CN method on runoff prediction of green roofs in a semi-arid region. *Urban Forestry and Urban Greening*, **2021**, 65, 127331	5.4	1
105	Stormwater runoff and pollution retention performances of permeable pavements and the effects of structural factors. *Environmental Science and Pollution Research*, **2020**, 27, 30831-30843	5.1	10

104	Evaluation of joint toxicity of heavy metals and herbicide mixtures in soils to earthworms (Eisenia fetida). *Journal of Environmental Sciences*, **2020**, 94, 137-146	6.4	9
103	Dynamic capacity modelling of soil environment carrying capacity, and developing a soil quality early warning framework for development land in China. *Journal of Cleaner Production*, **2020**, 257, 120450	10.3	12
102	A new risk probability calculation method for urban ecological risk assessment. *Environmental Research Letters*, **2020**, 15, 024016	6.2	6
101	Effects of external Mn activities on OsNRAMP5 expression level and Cd accumulation in indica rice. *Environmental Pollution*, **2020**, 260, 113941	9.3	12
100	Inconsistent effects of limestone on rice cadmium uptake: Results from multi-scale field trials and large-scale investigation. *Science of the Total Environment*, **2020**, 709, 136226	10.2	8
99	Changes in the integrated functional stability of microbial community under chemical stresses and the impacting factors in field soils. *Ecological Indicators*, **2020**, 110, 105919	5.8	8
98	Ecosystem service potential, flow, demand and their spatial associations: a comparison of the nutrient retention service between a human- and a nature-dominated watershed. *Science of the Total Environment*, **2020**, 748, 141341	10.2	7
97	Dynamic interactions between soil cadmium and zinc affect cadmium phytoavailability to rice and wheat: Regional investigation and risk modeling. *Environmental Pollution*, **2020**, 267, 115613	9.3	9
96	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
95	Ecological risk of combined pollution on soil ecosystem functions: Insight from the functional sensitivity and stability. *Environmental Pollution*, **2019**, 255, 113184	9.3	5
94	Diagnostic significance of metallothionein members in recognizing cadmium exposure in various organs under low-dose exposure. *Chemosphere*, **2019**, 229, 32-40	8.4	6
93	Impacts of urbanization and landscape patterns on the accumulation of heavy metals in soils in residential areas in Beijing. *Journal of Soils and Sediments*, **2019**, 19, 148-158	3.4	18
92	Evaluation of combined toxicity of Siduron and cadmium on earthworm (Eisenia fetida) using Biomarker Response Index. *Science of the Total Environment*, **2019**, 646, 893-901	10.2	28
91	Runoff retention assessment for extensive green roofs and prioritization of structural factors at runoff plot scale using the Taguchi method. *Ecological Engineering*, **2019**, 138, 281-288	3.9	4
90	The impacts of substrate and vegetation on stormwater runoff quality from extensive green roofs. *Journal of Hydrology*, **2019**, 576, 575-582	6	24
89	Mechanisms and uncertainties of Zn supply on regulating rice Cd uptake. *Environmental Pollution*, **2019**, 253, 959-965	9.3	28
88	Prioritizing environmental risks of pharmaceuticals and personal care products in reclaimed water on urban green space in Beijing. *Science of the Total Environment*, **2019**, 697, 133850	10.2	13
87	Spatial-temporal risk assessment of urbanization impacts on ecosystem services based on pressure-status - response framework. *Scientific Reports*, **2019**, 9, 16806	4.9	5

86	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.). *Science of the Total Environment*, **2019**, 652, 810-821	10.2	15
85	The influence of structural factors on stormwater runoff retention of extensive green roofs: new evidence from scale-based models and real experiments. *Journal of Hydrology*, **2019**, 569, 230-238	6	41
84	Integration of HYDRUS-1D and MODFLOW for evaluating the dynamics of salts and nitrogen in groundwater under long-term reclaimed water irrigation. *Irrigation Science*, **2019**, 37, 35-47	3.1	22
83	Situations, challenges and strategies of urban water management in Beijing under rapid urbanization effect. *Water Science and Technology: Water Supply*, **2019**, 19, 115-127	1.4	5
82	Ecological risk evaluation of combined pollution of herbicide siduron and heavy metals in soils. *Science of the Total Environment*, **2018**, 626, 1047-1056	10.2	32
81	Impacts of urbanization and landscape patterns on the earthworm communities in residential areas in Beijing. *Science of the Total Environment*, **2018**, 626, 1261-1269	10.2	19
80	Ecological risk assessment of polymetallic sites using weight of evidence approach. *Ecotoxicology and Environmental Safety*, **2018**, 154, 255-262	7	5
79	Characterization of adsorption and desorption of lawn herbicide siduron in heavy metal contaminated soils. *Chemosphere*, **2018**, 204, 483-491	8.4	13
78	Analysis of influencing factors on public perception in contaminated site management: Simulation by structural equation modeling at four sites in China. *Journal of Environmental Management*, **2018**, 210, 299-306	7.9	9
77	Evaluation of the natural attenuation capacity of urban residential soils with ecosystem-service performance index (EPX) and entropy-weight methods. *Environmental Pollution*, **2018**, 238, 222-229	9.3	33
76	Assessing cadmium exposure risks of vegetables with plant uptake factor and soil property. *Environmental Pollution*, **2018**, 238, 263-269	9.3	32
75	Effects of urbanization on heavy metal accumulation in surface soils, Beijing. *Journal of Environmental Sciences*, **2018**, 64, 328-334	6.4	37
74	The influence of urbanization on organic carbon sequestration and cycling in soils of Beijing. *Landscape and Urban Planning*, **2018**, 169, 241-249	7.7	22
73	Ecotoxicological effects of binary mixtures of siduron and Cd on mRNA expression in the earthworm Eisenia fetida. *Science of the Total Environment*, **2018**, 610-611, 657-665	10.2	21
72	Fuzzy synthetic evaluation of contaminated site management policy from the perspective of stakeholders: A case study from China. *Journal of Cleaner Production*, **2018**, 198, 1593-1601	10.3	15
71	Linking ecosystem services and ecosystem health to ecological risk assessment: A case study of the Beijing-Tianjin-Hebei urban agglomeration. *Science of the Total Environment*, **2018**, 636, 1442-1454	10.2	77
70	Field simulation of urban surfaces runoff and estimation of runoff with experimental curve numbers. *Urban Water Journal*, **2018**, 15, 418-426	2.3	6
69	Manganese, Zinc, and pH Affect Cadmium Accumulation in Rice Grain under Field Conditions in Southern China. *Journal of Environmental Quality*, **2018**, 47, 306-311	3.4	29

68	Bioaccessibility and source identification of heavy metals in agricultural soils contaminated by mining activities. *Environmental Earth Sciences*, **2018**, 77, 1	2.9	7
67	A conservation decision-making framework based on ecosystem service hotspot and interaction analyses on multiple scales. *Science of the Total Environment*, **2018**, 643, 277-291	10.2	25
66	Mass balance-based regression modeling of Cd and Zn accumulation in urban soils of Beijing. *Journal of Environmental Sciences*, **2017**, 53, 99-106	6.4	10
65	Contaminated sites in China: Countermeasures of provincial governments. *Journal of Cleaner Production*, **2017**, 147, 485-496	10.3	26
64	Evaluation of combined noxious effects of siduron and cadmium on the earthworm Eisenia fetida. *Environmental Science and Pollution Research*, **2017**, 24, 5349-5359	5.1	15
63	Evaluating the potential health risk of toxic trace elements in vegetables: Accounting for variations in soil factors. *Science of the Total Environment*, **2017**, 584-585, 942-949	10.2	24
62	Temporal variation and spatial scale dependency of ecosystem service interactions: a case study on the central Loess Plateau of China. *Landscape Ecology*, **2017**, 32, 1201-1217	4.3	69
61	Application of stress index in evaluating toxicological response of soil microbial community to contaminants in soils. *Ecological Indicators*, **2017**, 75, 118-125	5.8	12
60	Health Risk Assessment of Trace Metals in Various Environmental Media, Crops and Human Hair from a Mining Affected Area. *International Journal of Environmental Research and Public Health*, **2017**, 14,	4.6	23
59	A framework for the urban eco-metabolism model - Linking metabolic processes to spatial patterns. *Journal of Cleaner Production*, **2017**, 165, 168-176	10.3	13
58	The eco-toxic effects of pesticide and heavy metal mixtures towards earthworms in soil. *Environmental Toxicology and Pharmacology*, **2017**, 55, 20-29	5.8	78
57	Modelling of the estimated contributions of different sub-watersheds and sources to phosphorous export and loading from the Dongting Lake watershed, China. *Environmental Monitoring and Assessment*, **2017**, 189, 602	3.1	6
56	Cadmium Accumulation Risk in Vegetables and Rice in Southern China: Insights from Solid-Solution Partitioning and Plant Uptake Factor. *Journal of Agricultural and Food Chemistry*, **2017**, 65, 5463-5469	5.7	34
55	Scenario analysis of the impacts of socioeconomic development on phosphorous export and loading from the Dongting Lake watershed, China. *Environmental Science and Pollution Research*, **2017**, 24, 26706-26723	5.1	7
54	Lime and Phosphate Amendment Can Significantly Reduce Uptake of Cd and Pb by Field-Grown Rice. *Sustainability*, **2017**, 9, 430	3.6	28
53	A Conceptual Framework for Classification Management of Contaminated Sites in Guangzhou, China. *Sustainability*, **2017**, 9, 362	3.6	3
52	Risk assessment of Cd polluted paddy soils in the industrial and township areas in Hunan, Southern China. *Chemosphere*, **2016**, 144, 346-51	8.4	92
51	Regional probabilistic risk assessment of heavy metals in different environmental media and land uses: An urbanization-affected drinking water supply area. *Scientific Reports*, **2016**, 6, 37084	4.9	58

50	Ecosystem services of human-dominated watersheds and land use influences: a case study from the Dianchi Lake watershed in China. *Environmental Monitoring and Assessment*, **2016**, 188, 652	3.1	24
49	Modelling cadmium contamination in paddy soils under long-term remediation measures: Model development and stochastic simulations. *Environmental Pollution*, **2016**, 216, 146-155	9.3	30
48	Soil quality assessment of urban green space under long-term reclaimed water irrigation. *Environmental Science and Pollution Research*, **2016**, 23, 4639-49	5.1	18
47	Spatial pattern of heavy metals accumulation risk in urban soils of Beijing and its influencing factors. *Environmental Pollution*, **2016**, 210, 174-81	9.3	81
46	Distribution and risks of polycyclic aromatic hydrocarbons in suburban and rural soils of Beijing with various land uses. *Environmental Monitoring and Assessment*, **2016**, 188, 162	3.1	28
45	Wastewater reclamation and reuse in China: Opportunities and challenges. *Journal of Environmental Sciences*, **2016**, 39, 86-96	6.4	177
44	Regional Variations of Public Perception on Contaminated Industrial Sites in China and Its Influencing Factors. *International Journal of Environmental Research and Public Health*, **2016**, 13, 410	4.6	4
43	Plant community, geographic distance and abiotic factors play different roles in predicting AMF biogeography at the regional scale in northern China. *Environmental Microbiology*, **2016**, 8, 1048	5.2	1
42	Spatial Analysis of PAHs in Soils along an Urban-Suburban-Rural Gradient: scale effect, distribution patterns, diffusion and influencing factors. *Scientific Reports*, **2016**, 6, 37185	4.9	33
41	Cost-Benefit Analysis of Green Infrastructures on Community Stormwater Reduction and Utilization: A Case of Beijing, China. *Environmental Management*, **2016**, 58, 1015-1026	3.1	29
40	Regional accumulation characteristics of cadmium in vegetables: Influencing factors, transfer model and indication of soil threshold content. *Environmental Pollution*, **2016**, 219, 1036-1043	9.3	54
39	Plant community, geographic distance and abiotic factors play different roles in predicting AMF biogeography at the regional scale in northern China. *Environmental Microbiology Reports*, **2016**, 8, 1048-1057	3.7	38
38	Influences of setting sizes and combination of green infrastructures on community stormwater runoff reduction. *Ecological Modelling*, **2015**, 318, 236-244	3	35
37	Effects of land use intensity on the natural attenuation capacity of urban soils in Beijing, China. *Ecotoxicology and Environmental Safety*, **2015**, 117, 89-95	7	13
36	Mass balance-based regression modeling of PAHs accumulation in urban soils, role of urban development. *Environmental Pollution*, **2015**, 197, 21-27	9.3	13
35	Impact of reclaimed water irrigation on soil health in urban green areas. *Chemosphere*, **2015**, 119, 654-661	4.4	55
34	Perceptions of Different Stakeholders on Reclaimed Water Reuse: The Case of Beijing, China. *Sustainability*, **2015**, 7, 9696-9710	3.6	46
33	Quantitative assessment on soil enzyme activities of heavy metal contaminated soils with various soil properties. *Chemosphere*, **2015**, 139, 604-8	8.4	117

32	Ecological risks of polycyclic aromatic hydrocarbons found in coastal sediments along the northern shores of the Bohai Sea (China). *Chemistry and Ecology*, **2014**, 30, 501-512	2.3	4
31	Assessing the effectiveness of green infrastructures on urban flooding reduction: A community scale study. *Ecological Modelling*, **2014**, 291, 6-14	3	140
30	Trace element uptake dynamics for maize (Zea mays L.) grown under field conditions. *Plant and Soil* , **2013**, 370, 471-483	4.2	14
29	Multi-factors influencing the spatial distribution of polycyclic aromatic hydrocarbons in soils surrounding drinking water protection zone. *Journal of Environmental Sciences*, **2013**, 25, 1643-8	6.4	9
28	Accumulation and health risk of heavy metals in a plot-scale vegetable production system in a peri-urban vegetable farm near Nanjing, China. *Ecotoxicology and Environmental Safety*, **2013**, 98, 303-9	7	44
27	Assessing the combined risks of PAHs and metals in urban soils by urbanization indicators. *Environmental Pollution*, **2013**, 178, 426-32	9.3	72
26	Accumulation of Cd in agricultural soil under long-term reclaimed water irrigation. *Environmental Pollution*, **2013**, 178, 294-9	9.3	47
25	Impacts of long-term reclaimed water irrigation on soil salinity accumulation in urban green land in Beijing. *Water Resources Research*, **2013**, 49, 7401-7410	5.4	43
24	Fates and transport of PPCPs in soil receiving reclaimed water irrigation. *Chemosphere*, **2013**, 93, 2621-30	3.4	63
23	Ecological risks of polycyclic musk in soils irrigated with reclaimed municipal wastewater. *Ecotoxicology and Environmental Safety*, **2013**, 97, 242-7	7	20
22	Reclaimed water: A safe irrigation water source?. *Environmental Development*, **2013**, 8, 74-83	4.1	99
21	Cost-benefit analysis of reclaimed wastewater reuses in Beijing. *Desalination and Water Treatment*, **2013**, 1-10		5
20	Vegetative cover and PAHs accumulation in soils of urban green space. *Environmental Pollution*, **2012**, 161, 36-42	9.3	47
19	A GIS technology based potential eco-risk assessment of metals in urban soils in Beijing, China. *Environmental Pollution*, **2012**, 161, 235-42	9.3	81
18	Identification of heavy metal pollutants using multivariate analysis and effects of land uses on their accumulation in urban soils in Beijing, China. *Environmental Monitoring and Assessment*, **2012**, 184, 5889-97	2.1	68
17	An overview of reclaimed water reuse in China. *Journal of Environmental Sciences*, **2011**, 23, 1585-93	6.4	191
16	Polycyclic aromatic hydrocarbons in urban soils of Beijing: status, sources, distribution and potential risk. *Environmental Pollution*, **2011**, 159, 802-8	9.3	339
15	Microbial biomass carbon and enzyme activities of urban soils in Beijing. *Environmental Science and Pollution Research*, **2011**, 18, 958-67	5.1	45

14	Solute Transfer from the Soil Surface to Overland Flow: A Review. *Soil Science Society of America Journal*, **2011**, 75, 1214-1225	2.5	26
13	Evaluating salinity distribution in soil irrigated with saline water in arid regions of northwest China. *Agricultural Water Management*, **2010**, 97, 2001-2008	5.9	101
12	Effects of salinity and nitrogen on cotton growth in arid environment. *Plant and Soil*, **2010**, 326, 61-73	4.2	117
11	A root exudates based approach to assess the long-term phytoavailability of metals in biosolids-amended soils. *Environmental Pollution*, **2010**, 158, 2582-8	9.3	27
10	Leaching potential of nonsteroidal anti-inflammatory drugs in soils. *Environmental Toxicology and Chemistry*, **2010**, 29, 800-7	3.8	24
9	Trace Elements in Biosolids-Amended Soils **2010**, 111-133		1
8	Cadmium Uptake by Lettuce in Fields Treated with Cadmium-Spiked Phosphorus Fertilizers. *Communications in Soil Science and Plant Analysis*, **2009**, 40, 1124-1137	1.5	8
7	Assessing the effect of long-term crop cultivation on distribution of Cd in the root zone. *Ecological Modelling*, **2009**, 220, 1836-1843	3	13
6	Leachability of some emerging contaminants in reclaimed municipal wastewater-irrigated turf grass fields. *Environmental Toxicology and Chemistry*, **2009**, 28, 1842-50	3.8	58
5	Characterizing the solid□olution partitioning coefficient and plant uptake factor of As, Cd, and Pb in California croplands. *Agriculture, Ecosystems and Environment*, **2009**, 129, 212-220	5.7	45
4	Leaching risk of N-nitrosodimethylamine (NDMA) in soil receiving reclaimed wastewater. *Ecotoxicology and Environmental Safety*, **2008**, 69, 374-80	7	17
3	Metal uptake by corn grown on media treated with particle-size fractionated biosolids. *Science of the Total Environment*, **2008**, 392, 166-73	10.2	9
2	Soil enzyme activities of long-term reclaimed wastewater-irrigated soils. *Journal of Environmental Quality*, **2008**, 37, S36-42	3.4	59
1	Assessing long-term environmental risks of trace elements in phosphate fertilizers. *Ecotoxicology and Environmental Safety*, **2007**, 67, 48-58	7	99