Shen Yu

List of Publications by Year
in descending order

77 papers	4,779 citations	117571 34 h-index	95218 68 g-index
80 all docs	80 docs citations	80 times ranked	6177 citing authors

#	Article	IF	Citations
1	Continental-scale pollution of estuaries with antibiotic resistance genes. Nature Microbiology, 2017, 2, 16270.	5.9	812
2	Trace metal contamination in urban soils of China. Science of the Total Environment, 2012, 421-422, 17-30.	3.9	417
3	Incorporating bioaccessibility into human health risk assessments of heavy metals in urban park soils. Science of the Total Environment, 2012, 424, 88-96.	3.9	403
4	Capacity of fatty acid profiles and substrate utilization patterns to describe differences in soil microbial communities associated with increased salinity or alkalinity at three locations in South Australia. Biology and Fertility of Soils, 2001, 33, 204-217.	2.3	238
5	Distribution, availability, and sources of trace metals in different particle size fractions of urban soils in Hong Kong: Implications for assessing the risk to human health. Environmental Pollution, 2011, 159, 1317-1326.	3.7	238
6	Are the biogeochemical cycles of carbon, nitrogen, sulfur, and phosphorus driven by the â€œFeIIIâ€“FeII redox wheelâ€•in dynamic redox environments?. Journal of Soils and Sediments, 2012, 12, 683-693.	1.5	170
7	Heavy metal and organic contaminants in mangrove ecosystems of China: a review. Environmental Science and Pollution Research, 2014, 21, 11938-11950.	2.7	137
8	The mobility, bioavailability, and human bioaccessibility of trace metals in urban soils of Hong Kong. Applied Geochemistry, 2012, 27, 995-1004.	1.4	132
9	Inconsistency and comprehensiveness of risk assessments for heavy metals in urban surface sediments. Chemosphere, 2011, 85, 1080-1087.	4.2	120
10	Legacy effects overwhelm the short-term effects of exotic plant invasion and restoration on soil microbial community structure, enzyme activities, and nitrogen cycling. Oecologia, 2011, 167, 733-745.	0.9	120
11	Contamination and source differentiation of Pb in park soils along an urbanâ€“rural gradient in Shanghai. Environmental Pollution, 2011, 159, 3536-3544.	3.7	93
12	Urban Phosphorus Metabolism through Food Consumption. Journal of Industrial Ecology, 2012, 16, 588-599.	2.8	91
13	The effects of mariculture on heavy metal distribution in sediments and cultured fish around the Pearl River Delta region, south China. Chemosphere, 2016, 148, 171-177.	4.2	85
14	Transport of Heavy Metals in Surface Runoff from Vegetable and Citrus Fields. Soil Science Society of America Journal, 2004, 68, 1662-1669.	1.2	79
15	Brominated flame retardants in mangrove sediments of the Pearl River Estuary, South China: Spatial distribution, temporal trend and mass inventory. Chemosphere, 2015, 123, 26-32.	4.2	69
16	Urbanization gradient of selected pharmaceuticals in surface water at a watershed scale. Science of the Total Environment, 2018, 634, 448-458.	3.9	68
17	Surface runoff phosphorus (P) loss in relation to phosphatase activity and soil P fractions in Florida sandy soils under citrus production. Soil Biology and Biochemistry, 2006, 38, 619-628.	4.2	61
18	Relationship between heavy metal contents and clay mineral properties in surface sediments: Implications for metal pollution assessment. Continental Shelf Research, 2016, 124, 125-133.	0.9	58

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19	Urbanization increased metal levels in lake surface sediment and catchment topsoil of waterscape parks. Science of the Total Environment, 2012, 432, 202-209.	3.9	57
20	Mercury pollution in fish from South China Sea: Levels, species-specific accumulation, and possible sources. Environmental Research, 2014, 131, 160-164.	3.7	57
21	Adsorptionâ€“Desorption Behavior of Copper at Contaminated Levels in Red Soils from China. Journal of Environmental Quality, 2002, 31, 1129-1136.	1.0	56
22	Copper fractionation and extractability in two contaminated variable charge soils. Geoderma, 2004, 123, 163-175.	2.3	51
23	Losses of natural coastal wetlands by land conversion and ecological degradation in the urbanizing Chinese coast. Scientific Reports, 2018, 8, 15046.	1.6	51
24	Reduction and removal of Cr(VI) from aqueous solutions using modified byproducts of beer production. Journal of Hazardous Materials, 2011, 186, 1625-1631.	6.5	50
25	Lead contamination and source in Shanghai in the past century using dated sediment cores from urban park lakes. Chemosphere, 2012, 88, 1161-1169.	4.2	50
26	Root iron plaque formation and characteristics under N2 flushing and its effects on translocation of Zn and Cd in paddy rice seedlings (Oryza sativa). Annals of Botany, 2013, 111, 1189-1195.	1.4	49
27	Mercury contamination in fish and human hair from Hainan Island, South China Sea: Implication for human exposure. Environmental Research, 2014, 135, 42-47.	3.7	48
28	Microbial-mediated feedbacks of leaf litter on invasive plant growth and interspecific competition. Plant and Soil, 2012, 356, 341-355.	1.8	46
29	Relationships among plants, soils and microbial communities along a hydrological gradient in the New Jersey Pinelands, USA. Annals of Botany, 2010, 105, 185-196.	1.4	43
30	URBANIZATION IMPAIRS SURFACE WATER QUALITY: EUTROPHICATION AND METAL STRESS IN THE GRAND CANAL OF CHINA. River Research and Applications, 2012, 28, 1135-1148.	0.7	40
31	Occurrence, source analysis and risk assessment of androgens, glucocorticoids and progestagens in the Hailing Bay region, South China Sea. Science of the Total Environment, 2015, 536, 99-107.	3.9	40
32	The effects of changes in soil moisture on nitrogen cycling in acid wetland types of the New Jersey Pinelands (USA). Soil Biology and Biochemistry, 2009, 41, 2394-2405.	4.2	39
33	Anthropogenic land uses elevate metal levels in stream water in an urbanizing watershed. Science of the Total Environment, 2014, 488-489, 61-69.	3.9	39
34	Antibiotics control in aquaculture requires more than antibiotic-free feeds: A tilapia farming case. Environmental Pollution, 2021, 268, 115854.	3.7	38
35	Impacts of Spartina alterniflora invasion on abundance and composition of ammonia oxidizers in estuarine sediment. Journal of Soils and Sediments, 2011, 11, 1020-1031.	1.5	36
36	Adaption of the microbial community to continuous exposures of multiple residual antibiotics in sediments from a salt-water aquacultural farm. Journal of Hazardous Materials, 2015, 290, 96-105.	6.5	36

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37	Halogenated organic pollutants in sediments and organisms from mangrove wetlands of the Jiulong River Estuary, South China. Environmental Research, 2019, 171, 145-152.	3.7	33
38	Multi-objective optimization for green-grey infrastructures in response to external uncertainties. Science of the Total Environment, 2021, 775, 145831.	3.9	33
39	Spectrum and environmental risks of residual pharmaceuticals in stream water with emphasis on its relation to epidemic infectious disease and anthropogenic activity in watershed. Journal of Hazardous Materials, 2020, 385, 121594.	6.5	32
40	Leaching potential of heavy metals (Cd, Ni, Pb, Cu and Zn) from acidic sandy soil amended with dolomite phosphate rock (DPR) fertilizers. Journal of Trace Elements in Medicine and Biology, 2006, 20, 127-133.	1.5	29
41	Effects of salinity and humic acid on the sorption of Hg on Fe and Mn hydroxides. Journal of Hazardous Materials, 2013, 244-245, 322-328.	6.5	29
42	Soil Microbial Responses to Experimental Warming and Nitrogen Addition in a Temperate Steppe of Northern China. Pedosphere, 2014, 24, 427-436.	2.1	29
43	Accumulation of Cr, Cd, Pb, Cu, and Zn by plants in tanning sludge storage sites: opportunities for contamination bioindication and phytoremediation. Environmental Science and Pollution Research, 2016, 23, 22477-22487.	2.7	28
44	Pharmaceutical residues in tidal surface sediments of three rivers in southeastern China at detectable and measurable levels. Environmental Science and Pollution Research, 2013, 20, 8391-8403.	2.7	27
45	Impacts of urbanization on surface sediment quality: evidence from polycyclic aromatic hydrocarbons (PAHs) and polychlorinated biphenyls (PCBs) contaminations in the Grand Canal of China. Environmental Science and Pollution Research, 2012, 19, 1352-1363.	2.7	26
46	Uptake of organic nitrogen and preference for inorganic nitrogen by two Australian native Araucariaceae species. Plant Ecology and Diversity, 2015, 8, 259-264.	1.0	25
47	Spatial distribution and historical records of mercury sedimentation in urban lakes under urbanization impacts. Science of the Total Environment, 2013, 445-446, 117-125.	3.9	24
48	Surface sediment quality relative to port activities: A contaminant-spectrum assessment. Science of the Total Environment, 2017, 596-597, 342-350.	3.9	21
49	The effects of mariculture activities on the adsorption/desorption and chemical fractionations of mercury on sediments. Marine Pollution Bulletin, 2012, 64, 836-843.	2.3	18
50	An overlooked nitrogen loss linked to anaerobic ammonium oxidation in estuarine sediments in China. Journal of Soils and Sediments, 2017, 17, 2537-2546.	1.5	16
51	Metal-Dependent Root Iron Plaque Effects on Distribution and Translocation of Chromium and Nickel in Yellow Flag (Iris pseudacorusL.). International Journal of Phytoremediation, 2015, 17, 175-181.	1.7	15
52	Sedimentary metals in developing tropical watersheds in relation to their urbanization intensities. Journal of Environmental Management, 2021, 278, 111521.	3.8	15
53	Effects of Anions on the Capacity and Affinity of Copper Adsorption in Two Variable Charge Soils. Biogeochemistry, 2005, 75, 1-18.	1.7	14
54	Tissue-based environmental quality benchmarks and standards. Environmental Science and Pollution Research, 2014, 21, 28-32.	2.7	14

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55	Temporal dynamics of urbanization-driven environmental changes explored by metal contamination in surface sediments in a restoring urban wetland park. Journal of Hazardous Materials, 2016, 309, 228-235.	6.5	13
56	Anthropogenic metal loads in nearshore sediment along the coast of China mainland interacting with provincial socioeconomics in the period 1980â€“2020. Science of the Total Environment, 2022, 839, 156286.	3.9	11
57	Physical and Chemical Changes in Container Media in Response to Bark Substitution for Peat. Compost Science and Utilization, 2006, 14, 222-230.	1.2	10
58	Characterizing interactions of socioeconomic development and environmental impact at a watershed scale. Environmental Science and Pollution Research, 2019, 26, 5680-5692.	2.7	9
59	Sedimentary spectrum and potential ecological risks of residual pharmaceuticals in relation to sediment-water partitioning and land uses in a watershed. Science of the Total Environment, 2022, 817, 152979.	3.9	9
60	Patterns of Nitrogen Mineralization in Wetlands of the New Jersey Pinelands along a Shallow Water Table Gradient. American Midland Naturalist, 2012, 167, 322-335.	0.2	7
61	Spatial changes of nutrients and metallic contaminants in topsoil with multi-geostatistical approaches in a large-size watershed. Science of the Total Environment, 2022, 824, 153888.	3.9	7
62	Preliminary results from monitoring of stream nitrogen concentrations, denitrification, and nitrification potentials in an urbanizing watershed in Xiamen, southeast China. International Journal of Sustainable Development and World Ecology, 2013, 20, 223-230.	3.2	6
63	Microbial membranes related to the thermal acclimation of soil heterotrophic respiration in a temperate steppe in northern China. European Journal of Soil Science, 2020, 71, 484-494.	1.8	6
64	Discriminating surface soil inorganic nitrogen cycling under various land uses in a watershed with simulations of energy balanced temperature and slope introduced moisture. Journal of Hydrology, 2020, 587, 124950.	2.3	6
65	Kinetic and Thermodynamic Studies on Removal of Cu(II) from Aqueous Solutions using Soil Nanoclays. Water Environment Research, 2015, 87, 88-95.	1.3	5
66	Nitrogen sharing and water source partitioning co-occur in estuarine wetlands. Functional Plant Biology, 2015, 42, 410.	1.1	5
67	Integrative Application of Life Cycle Assessment and Risk Assessment to Environmental Impacts of Anthropogenic Pollutants at a Watershed Scale. Bulletin of Environmental Contamination and Toxicology, 2018, 100, 41-48.	1.3	5
68	Development of a pH-paralleling approach of quantifying six-category pharmaceuticals in surface water using SPE-HPLC-MS/MS. Watershed Ecology and the Environment, 2021, 3, 1-16.	0.6	5
69	Non-Algorithmically Integrating Land Use Type with Spatial Interpolation of Surface Soil Nutrients in an Urbanizing Watershed. Pedosphere, 2017, 27, 147-154.	2.1	4
70	Spatial and temporal variability of sedimentary nutrients in relation to regional development in the urbanizing lower Chao Phraya watersheds of Thailand. Journal of Soils and Sediments, 2020, 20, 4042-4054.	1.5	4
71	Legacy organochlorines in estuarine sediment in relation to socioeconomic pattern in multi-coastal watersheds. Environmental Science and Pollution Research, 2022, 29, 21912-21924.	2.7	4
72	Biomineralization of Se nanoshpere by Bacillus licheniformis. Journal of Earth Science (Wuhan,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	1.1	3

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73	Fingerprinting pharmaceuticals of multiple sources at a provincial watershed scale. Science of the Total Environment, 2022, 820, 153356.	3.9	3
74	Metal loadings in estuarine bivalve and gastropod shellfish in response to socioeconomic development in watershed. Marine Environmental Research, 2022, 176, 105593.	1.1	3
75	Urban Conservation and Environmental Protection in China: a Major Effort by the Chinese Academy of Sciences. Conservation Biology, 2009, 23, 546-547.	2.4	2
76	Sedimentary organic-13C revealed dispersal patterns of Spartina alterniflora intra- and inter-estuary in China. Ecological Engineering, 2015, 85, 95-102.	1.6	1
77	Socioeconomic Patterns for Global Mangrove Cover Changes with Multi-Database Analyses. Wetlands, 2022, 42, 1.	0.7	1