

# Bifeng Hu

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

2,613  
citations

218381

26  
h-index

264894

42  
g-index

49  
all docs

49  
docs citations

49  
times ranked

1955  
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of Heavy Metal Pollution and Health Risks in the Soil-Plant-Human System in the Yangtze River Delta, China. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 1042.	1.2	285
2	Soil erosion modelling: A global review and statistical analysis. <i>Science of the Total Environment</i> , 2021, 780, 146494.	3.9	261
3	Current status, spatial features, health risks, and potential driving factors of soil heavy metal pollution in China at province level. <i>Environmental Pollution</i> , 2020, 266, 114961.	3.7	257
4	Estimating soil salinity from remote sensing and terrain data in southern Xinjiang Province, China. <i>Geoderma</i> , 2019, 337, 1309-1319.	2.3	200
5	Identification of the potential risk areas for soil heavy metal pollution based on the source-sink theory. <i>Journal of Hazardous Materials</i> , 2020, 393, 122424.	6.5	133
6	Modelling bioaccumulation of heavy metals in soil-crop ecosystems and identifying its controlling factors using machine learning. <i>Environmental Pollution</i> , 2020, 262, 114308.	3.7	126
7	A high-resolution map of soil pH in China made by hybrid modelling of sparse soil data and environmental covariates and its implications for pollution. <i>Science of the Total Environment</i> , 2019, 655, 273-283.	3.9	124
8	A methodological framework for identifying potential sources of soil heavy metal pollution based on machine learning: A case study in the Yangtze Delta, China. <i>Environmental Pollution</i> , 2019, 250, 601-609.	3.7	101
9	Application of portable XRF and VNIR sensors for rapid assessment of soil heavy metal pollution. <i>PLoS ONE</i> , 2017, 12, e0172438.	1.1	94
10	Identifying heavy metal pollution hot spots in soil-rice systems: A case study in South of Yangtze River Delta, China. <i>Science of the Total Environment</i> , 2019, 658, 614-625.	3.9	90
11	Assessment of the potential health risks of heavy metals in soils in a coastal industrial region of the Yangtze River Delta. <i>Environmental Science and Pollution Research</i> , 2017, 24, 19816-19826.	2.7	78
12	Soil erosion modelling: A bibliometric analysis. <i>Environmental Research</i> , 2021, 197, 111087.	3.7	78
13	Potential driving forces and probabilistic health risks of heavy metal accumulation in the soils from an e-waste area, southeast China. <i>Chemosphere</i> , 2022, 289, 133182.	4.2	54
14	Depth-to-bedrock map of China at a spatial resolution of 100 meters. <i>Scientific Data</i> , 2020, 7, 2.	2.4	49
15	Assessment of potentially toxic element pollution in soils and related health risks in 271 cities across China. <i>Environmental Pollution</i> , 2021, 270, 116196.	3.7	46
16	Heavy Metal Pollution Delineation Based on Uncertainty in a Coastal Industrial City in the Yangtze River Delta, China. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 710.	1.2	42
17	Downscaling annual precipitation with $\langle scp \rangle$ TMPA and land surface characteristics in China. <i>International Journal of Climatology</i> , 2017, 37, 5107-5119.	1.5	41
18	Spatio-temporal variation and source changes of potentially toxic elements in soil on a typical plain of the Yangtze River Delta, China (2002-2012). <i>Journal of Environmental Management</i> , 2020, 271, 110943.	3.8	41

#	ARTICLE	IF	CITATIONS
19	Revealing the scale- and location-specific controlling factors of soil organic carbon in Tibet. <i>Geoderma</i> , 2021, 382, 114713.	2.3	39
20	Monitoring soil organic carbon in alpine soils using in situ visâ€NIR spectroscopy and a multilayer perceptron. <i>Land Degradation and Development</i> , 2020, 31, 1026-1038.	1.8	37
21	Composite assessment of human health risk from potentially toxic elements through multiple exposure routes: A case study in farmland in an important industrial city in East China. <i>Journal of Geochemical Exploration</i> , 2020, 210, 106443.	1.5	37
22	Probability mapping of soil thickness by random survival forest at a national scale. <i>Geoderma</i> , 2019, 344, 184-194.	2.3	36
23	A comprehensive framework for assessing the impact of potential agricultural pollution on grain security and human health in economically developed areas. <i>Environmental Pollution</i> , 2020, 263, 114653.	3.7	35
24	Evaluating validation strategies on the performance of soil property prediction from regional to continental spectral data. <i>Geoderma</i> , 2021, 400, 115159.	2.3	32
25	Source Identification and Apportionment of Trace Elements in Soils in the Yangtze River Delta, China. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1240.	1.2	30
26	Improvement of Spatial Modeling of Cr, Pb, Cd, As and Ni in Soil Based on Portable X-ray Fluorescence (PXRF) and Geostatistics: A Case Study in East China. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 2694.	1.2	30
27	Stoichiometry of soil carbon, nitrogen, and phosphorus in farmland soils in southern China: Spatial pattern and related dominantes. <i>Catena</i> , 2022, 217, 106468.	2.2	24
28	Assessment of Heavy Metal Pollution in Soil and Classification of Pollution Risk Management and Control Zones in the Industrial Developed City. <i>Environmental Management</i> , 2020, 66, 1105-1119.	1.2	23
29	Novel framework for modelling the cadmium balance and accumulation in farmland soil in Zhejiang Province, East China: Sensitivity analysis, parameter optimisation, and forecast for 2050. <i>Journal of Cleaner Production</i> , 2021, 279, 123674.	4.6	23
30	An integrated assessment methodology for management of potentially contaminated sites based on public data. <i>Science of the Total Environment</i> , 2021, 783, 146913.	3.9	21
31	Predicting annual PM2.5 in mainland China from 2014 to 2020 using multi temporal satellite product: An improved deep learning approach with spatial generalization ability. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2022, 187, 141-158.	4.9	19
32	Estimating spatial and temporal variation in ocean surface pCO2 in the Gulf of Mexico using remote sensing and machine learning techniques. <i>Science of the Total Environment</i> , 2020, 745, 140965.	3.9	17
33	Improved Mapping of Potentially Toxic Elements in Soil via Integration of Multiple Data Sources and Various Geostatistical Methods. <i>Remote Sensing</i> , 2020, 12, 3775.	1.8	16
34	Spatial variability and potential controls of soil organic matter in the Eastern Dongting Lake Plain in southern China. <i>Journal of Soils and Sediments</i> , 2021, 21, 2791-2804.	1.5	16
35	Comprehensive source identification and apportionment analysis of five heavy metals in soils in Wenzhou City, China. <i>Environmental Geochemistry and Health</i> , 2022, 44, 579-602.	1.8	14
36	Field-Scale Characterization of Spatio-Temporal Variability of Soil Salinity in Three Dimensions. <i>Remote Sensing</i> , 2020, 12, 4043.	1.8	11

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37	Developing pedotransfer functions to harmonize extractable soil phosphorus content measured with different methods: A case study across the mainland of France. <i>Geoderma</i> , 2021, 381, 114645.	2.3	11
38	Current Status and Temporal Trend of Potentially Toxic Elements Pollution in Agricultural Soil in the Yangtze River Delta Region: A Meta-Analysis. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 1033.	1.2	10
39	Pollution Characteristics, Spatial Patterns, and Sources of Toxic Elements in Soils from a Typical Industrial City of Eastern China. <i>Land</i> , 2021, 10, 1126.	1.2	9
40	Preliminary risk assessment of regional industrial enterprise sites based on big data. <i>Science of the Total Environment</i> , 2022, 838, 156609.	3.9	9
41	Sea Surface Salinity Estimation and Spatial-Temporal Heterogeneity Analysis in the Gulf of Mexico. <i>Remote Sensing</i> , 2021, 13, 881.	1.8	6
42	Modeling Cadmium Contents in a Soil-Rice System and Identifying Potential Controls. <i>Land</i> , 2022, 11, 617.	1.2	4