

Mingkai Qu

List of Publications by Year in Descending Order

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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.

51
papers

1,051
citations

18
h-index

31
g-index

52
ext. papers

1,260
ext. citations

5.7
avg, IF

4.46
L-index

#	Paper	IF	Citations
51	An Integrated Yield-Based Methodology for Improving Soil Nutrient Management at a Regional Scale. <i>Agronomy</i> , 2022 , 12, 298	3.6	
50	Effects of mining on the potentially toxic elements in the surrounding soils in China: A meta-analysis.. <i>Science of the Total Environment</i> , 2022 , 153562	10.2	0
49	A joint standard-exceeding risk assessment of multiple pollutants based on robust geostatistics with categorical land-use type data: A case study of soil nitrogen and phosphorus.. <i>Environmental Pollution</i> , 2022 , 299, 118901	9.3	0
48	Improving correction quality for in-situ portable X-ray fluorescence (PXRF) using robust geographically weighted regression with categorical land-use types at a regional scale. <i>Geoderma</i> , 2022 , 409, 115615	6.7	1
47	Additional sampling using in-situ portable X-ray fluorescence (PXRF) for rapid and high-precision investigation of soil heavy metals at a regional scale. <i>Environmental Pollution</i> , 2022 , 292, 118324	9.3	1
46	Soil fertility quality assessment based on geographically weighted principal component analysis (GWPCA) in large-scale areas. <i>Catena</i> , 2021 , 201, 105197	5.8	4
45	Spatiotemporal variations in soil organic carbon and their drivers in southeastern China during 1981-2011. <i>Soil and Tillage Research</i> , 2021 , 205, 104763	6.5	15
44	Improving the spatial prediction accuracy of soil alkaline hydrolyzable nitrogen using GWPCA-GWRK. <i>Soil Science Society of America Journal</i> , 2021 , 85, 879-892	2.5	3
43	Source apportionment of soil heavy metals using robust spatial receptor model with categorical land-use types and RGWR-corrected in-situ FPXRF data. <i>Environmental Pollution</i> , 2021 , 270, 116220	9.3	3
42	Resampling with in situ field portable X-ray fluorescence spectrometry (FPXRF) to reduce the uncertainty in delineating the remediation area of soil heavy metals. <i>Environmental Pollution</i> , 2021 , 271, 116310	9.3	4
41	Spatially apportioning the source-oriented ecological risks of soil heavy metals using robust spatial receptor model with land-use data and robust residual kriging. <i>Environmental Pollution</i> , 2021 , 285, 117281	9.3	2
40	Pollution Characteristics and Risk Assessment of Soil Heavy Metals in the Areas Affected by the Mining of Metal-bearing Minerals in Southwest China. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2021 , 107, 1070-1079	2.7	4
39	Incorporating Auxiliary Data of Different Spatial Scales for Spatial Prediction of Soil Nitrogen Using Robust Residual Cokriging (RRCok). <i>Agronomy</i> , 2021 , 11, 2516	3.6	
38	Exploring the spatially varying relationships between cadmium accumulations and the main influential factors in the rice-wheat rotation system in a large-scale area. <i>Science of the Total Environment</i> , 2020 , 736, 139565	10.2	3
37	Enhancing apportionment of the point and diffuse sources of soil heavy metals using robust geostatistics and robust spatial receptor model with categorical soil-type data. <i>Environmental Pollution</i> , 2020 , 265, 114964	9.3	13
36	Rapid estimation of soil cation exchange capacity through sensor data fusion of portable XRF spectrometry and Vis-NIR spectroscopy. <i>Geoderma</i> , 2020 , 363, 114163	6.7	37
35	Using pXRF to assess the accumulation, sources, and potential ecological risk of potentially toxic elements in soil under two greenhouse vegetable production systems in North China. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 11105-11115	5.1	3

34	Optimal interpolation methods for farmland soil organic matter in various landforms of a complex topography. <i>Ecological Indicators</i> , 2020 , 110, 105926	5.8	11
33	Source apportionment of soil nitrogen and phosphorus based on robust residual kriging and auxiliary soil-type map in Jintan County, China. <i>Ecological Indicators</i> , 2020 , 119, 106820	5.8	6
32	An integrated approach to exploring soil fertility from the perspective of rice (<i>Oryza sativa</i> L.) yields. <i>Soil and Tillage Research</i> , 2019 , 194, 104322	6.5	6
31	Estimation of soil pH using PXRF spectrometry and Vis-NIR spectroscopy for rapid environmental risk assessment of soil heavy metals. <i>Chemical Engineering Research and Design</i> , 2019 , 132, 73-81	5.5	15
30	Application of arc emission spectrometry and portable X-ray fluorescence spectrometry to rapid risk assessment of heavy metals in agricultural soils. <i>Ecological Indicators</i> , 2019 , 101, 583-594	5.8	25
29	Correction of in-situ portable X-ray fluorescence (PXRF) data of soil heavy metal for enhancing spatial prediction. <i>Environmental Pollution</i> , 2019 , 254, 112993	9.3	16
28	Source apportionment of soil heavy metals using robust absolute principal component scores-robust geographically weighted regression (RAPCS-RGWR) receptor model. <i>Science of the Total Environment</i> , 2018 , 626, 203-210	10.2	40
27	Spatial uncertainty assessment of the environmental risk of soil copper using auxiliary portable X-ray fluorescence spectrometry data and soil pH. <i>Environmental Pollution</i> , 2018 , 240, 184-190	9.3	27
26	Accumulation, sources and health risks of trace metals in elevated geochemical background soils used for greenhouse vegetable production in southwestern China. <i>Ecotoxicology and Environmental Safety</i> , 2017 , 137, 233-239	7	58
25	Spatial assessment of soil nitrogen availability and varying effects of related main soil factors on soil available nitrogen. <i>Environmental Sciences: Processes and Impacts</i> , 2016 , 18, 1449-1457	4.3	1
24	Effect of Farming Practices on the Variability of Phosphorus Status in Intensively Managed Soils. <i>Pedosphere</i> , 2015 , 25, 438-449	5	6
23	Assessing the local uncertainty of precipitation by using moving window geostatistical models. <i>Ecological Informatics</i> , 2015 , 30, 133-141	4.2	1
22	Spatial uncertainty of joint health risk of multiple trace metals in rice grain in Jiaxing city, China. <i>Environmental Sciences: Processes and Impacts</i> , 2015 , 17, 120-30	4.3	3
21	Assessing the pollution risk of soil Chromium based on loading capacity of paddy soil at a regional scale. <i>Scientific Reports</i> , 2015 , 5, 18451	4.9	9
20	Spatially Nonstationary Relationships between Copper Accumulation in Rice Grain and Some Related Soil Properties in Paddy Fields at a Regional Scale. <i>Soil Science Society of America Journal</i> , 2014 , 78, 1765-1774	2.5	18
19	Estimating the pollution risk of cadmium in soil using a composite soil environmental quality standard. <i>Scientific World Journal, The</i> , 2014 , 2014, 750879	2.2	3
18	County-Scale Spatial Variability of Macronutrient Availability Ratios in Paddy Soils. <i>Applied and Environmental Soil Science</i> , 2014 , 2014, 1-10	3.8	5
17	Spatial Distribution and Uncertainty Assessment of Potential Ecological Risks of Heavy Metals in Soil Using Sequential Gaussian Simulation. <i>Human and Ecological Risk Assessment (HERA)</i> , 2014 , 20, 764-778	4.9	24

16	Impacts of human activities and sampling strategies on soil heavy metal distribution in a rapidly developing region of China. <i>Ecotoxicology and Environmental Safety</i> , 2014 , 104, 1-8	7	24
15	Distribution, sources and potential risk of HCH and DDT in soils from a typical alluvial plain of the Yangtze River Delta region, China. <i>Environmental Geochemistry and Health</i> , 2014 , 36, 345-58	4.7	34
14	Assessing the risk costs in delineating soil nickel contamination using sequential Gaussian simulation and transfer functions. <i>Ecological Informatics</i> , 2013 , 13, 99-105	4.2	33
13	Assessing the spatial uncertainty in soil nitrogen mapping through stochastic simulations with categorical land use information. <i>Ecological Informatics</i> , 2013 , 16, 1-9	4.2	19
12	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
11	Comparison of Three Methods for Soil Fertility Quality Spatial Simulation with Uncertainty Assessment. <i>Soil Science Society of America Journal</i> , 2013 , 77, 2182-2191	2.5	9
10	Effect of Land Use Types on the Spatial Prediction of Soil Nitrogen. <i>GIScience and Remote Sensing</i> , 2012 , 49, 397-411	4.8	17
9	Effect of sampling density on regional soil organic carbon estimation for cultivated soils. <i>Journal of Plant Nutrition and Soil Science</i> , 2012 , 175, 671-680	2.3	12
8	Organochlorine pesticides in soils from a typical alluvial plain of the Yangtze River Delta region, China. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2011 , 87, 561-6	2.7	10
7	Accumulation, transfer, and environmental risk of soil mercury in a rapidly industrializing region of the Yangtze River Delta, China. <i>Journal of Soils and Sediments</i> , 2011 , 11, 607-618	3.4	19
6	Effect of Land Use Conversion from Rice Paddies to Vegetable Fields on Soil Phosphorus Fractions. <i>Pedosphere</i> , 2010 , 20, 137-145	5	20
5	Relationships between distributions of longevous population and trace elements in the agricultural ecosystem of Rugao County, Jiangsu, China. <i>Environmental Geochemistry and Health</i> , 2009 , 31, 379-90	4.7	18
4	Evaluating soil quality indices in an agricultural region of Jiangsu Province, China. <i>Geoderma</i> , 2009 , 149, 325-334	6.7	198
3	Uncertainty assessment of mapping mercury contaminated soils of a rapidly industrializing city in the Yangtze River Delta of China using sequential indicator co-simulation. <i>Environmental Monitoring and Assessment</i> , 2008 , 138, 343-55	3.1	21
2	Major nutrient balances in small-scale vegetable farming systems in peri-urban areas in China. <i>Nutrient Cycling in Agroecosystems</i> , 2008 , 81, 203-218	3.3	60
1	Temporal and spatial variability of soil organic matter and total nitrogen in an agricultural ecosystem as affected by farming practices. <i>Geoderma</i> , 2007 , 139, 336-345	6.7	146