Xiao-Lin Sun

List of Publications by Year
in descending order

18 papers	241 citations	12 h-index
18 all docs	18 docs citations	18 times ranked

759233

940533

16 g-index

271 citing authors

#	Article	IF	Citations
1	Variability of soil mapping accuracy with sample sizes, modelling methods and landform types in a regional case study. Catena, 2022, 213, 106217.	5.0	10
2	Transferability of a soil variogram for sampling design: A case study of three grasslands in Ireland. European Journal of Soil Science, 2021, 72, 69-79.	3.9	2
3	Errors induced by spectral measurement positions and instrument noise in soil organic carbon prediction using vis-NIR on intact soil. Geoderma, 2021, 382, 114731.	5.1	5
4	Spatiotemporal modelling of soil organic matter changes in Jiangsu, China between 1980 and 2006 using INLA-SPDE. Geoderma, 2021, 384, 114808.	5.1	14
5	A comparison of importance of modelling method and sample size for mapping soil organic matter in Guangdong, China. Ecological Indicators, 2021, 126, 107618.	6.3	14
6	Comparison of estimated soil bulk density using proximal soil sensing and pedotransfer functions. Journal of Hydrology, 2019, 579, 124227.	5.4	4
7	Limited Spatial Transferability of the Relationships Between Kriging Variance and Soil Sampling Spacing in Some Grasslands of Ireland: Implications for Sampling Design. Pedosphere, 2019, 29, 577-589.	4.0	5
8	Can regression determination, nugget-to-sill ratio and sampling spacing determine relative performance of regression kriging over ordinary kriging?. Catena, 2019, 181, 104092.	5.0	10
9	Digital soil mapping based on empirical mode decomposition components of environmental covariates. European Journal of Soil Science, 2019, 70, 1109-1127.	3.9	15
10	Performance of median kriging with robust estimators of the variogram in outlier identification and spatial prediction for soil pollution at a field scale. Science of the Total Environment, 2019, 666, 902-914.	8.0	12
11	Digital soil mapping based on wavelet decomposed components of environmental covariates. Geoderma, 2017, 303, 118-132.	5.1	29
12	Updating digital soil maps with new data: a case study of soil organic matter in Jiangsu, China. European Journal of Soil Science, 2015, 66, 1012-1022.	3.9	16
13	Mapping Soil Particle Size Fractions Using Compositional Kriging, Cokriging and Additive Log-ratio Cokriging in Two Case Studies. Mathematical Geosciences, 2014, 46, 429-443.	2.4	13
14	Dealing with spatial outliers and mapping uncertainty for evaluating the effects of urbanization on soil: A case study of soil pH and particle fractions in Hong Kong. Geoderma, 2013, 195-196, 220-233.	5.1	17
15	Uncertainty Analysis for the Evaluation of Agricultural Soil Quality Based on Digital Soil Maps. Soil Science Society of America Journal, 2012, 76, 1379-1389.	2.2	18
16	Spatio–temporal change of soil organic matter content of Jiangsu Province, China, based on digital soil maps. Soil Use and Management, 2012, 28, 318-328.	4.9	22
17	Sensitivity of digital soil maps based on FCM to the fuzzy exponent and the number of clusters. Geoderma, 2012, 171-172, 24-34.	5.1	20
18	Application of a Digital Soil Mapping Method in Producing Soil Orders on Mountain Areas of Hong Kong Based on Legacy Soil Data. Pedosphere, 2011, 21, 339-350.	4.0	15