Dong-Xue Zhao

List of Publications by Year
in descending order

30 papers	1,313 citations	567281 15 h-index	501196 28 g-index
30 all docs	30 docs citations	30 times ranked	1038 citing authors

#	Article	IF	Citations
1	Promoting and implementing urban sustainability in China: An integration of sustainable initiatives at different urban scales. Habitat International, 2018, 82, 83-93.	5.8	170
2	Co-benefits approach: Opportunities for implementing sponge city and urban heat island mitigation. Land Use Policy, 2019, 86, 147-157.	5.6	170
3	Numerical simulation of the effects of building dimensional variation on wind pressure distribution. Engineering Applications of Computational Fluid Mechanics, 2017, 11, 293-309.	3.1	169
4	Social problems of green buildings: From the humanistic needs to social acceptance. Renewable and Sustainable Energy Reviews, 2015, 51, 1594-1609.	16.4	155
5	Sensitivity analysis of wind pressure coefficients on CAARC standard tall buildings in CFD simulations. Journal of Building Engineering, 2018, 16, 146-158.	3.4	82
6	Predicting soil physical and chemical properties using vis-NIR in Australian cotton areas. Catena, 2021, 196, 104938.	5.0	67
7	Soil exchangeable cations estimation using Vis-NIR spectroscopy in different depths: Effects of multiple calibration models and spiking. Computers and Electronics in Agriculture, 2021, 182, 105990.	7.7	58
8	Clay content mapping and uncertainty estimation using weighted model averaging. Catena, 2022, 209, 105791.	5.0	58
9	Effects of architectural shapes on surface wind pressure distribution: Case studies of oval-shaped tall buildings. Journal of Building Engineering, 2017, 12, 219-228.	3.4	54
10	A Visâ€NIR Spectral Library to Predict Clay in Australian Cotton Growing Soil. Soil Science Society of America Journal, 2018, 82, 1347-1357.	2.2	53
11	Mapping cation exchange capacity using a quasi-3d joint inversion of EM38 and EM31 data. Soil and Tillage Research, 2020, 200, 104618.	5.6	48
12	The green school project: A means of speeding up sustainable development?. Geoforum, 2015, 65, 310-313.	2.5	30
13	Digital regolith mapping of clay across the Ashley irrigation area using electromagnetic induction data and inversion modelling. Geoderma, 2019, 346, 18-29.	5.1	23
14	The effect of trade openness on the relationship between agricultural technology inputs and carbon emissions: evidence from a panel threshold model. Environmental Science and Pollution Research, 2021, 28, 9991-10004.	5.3	21
15	Comparing management zone maps to address infertility and sodicity in sugarcane fields. Soil and Tillage Research, 2019, 193, 122-132.	5.6	17
16	Three-Dimensional Mapping of Clay and Cation Exchange Capacity of Sandy and Infertile Soil Using EM38 and Inversion Software. Sensors, 2019, 19, 3936.	3.8	16
17	Stabilising the cohesive soil with palm fibre sheath strip. Road Materials and Pavement Design, 2016, 17, 87-103.	4.0	13
18	Two-dimensional time-lapse imaging of soil wetting and drying cycle using EM38 data across a flood irrigation cotton field. Agricultural Water Management, 2020, 241, 106383.	5.6	13

#	Article	IF	Citations
19	Reconnaissance scale mapping of salinity in threeâ€dimensions using <scp>EM38</scp> and <scp>EM34</scp> data and inversion modelling. Land Degradation and Development, 2020, 31, 2936-2951.	3.9	13
20	Scope to map available water content using proximal sensed electromagnetic induction and gamma-ray spectrometry data. Agricultural Water Management, 2021, 247, 106705.	5.6	13
21	Determining optimal digital soil mapping components for exchangeable calcium and magnesium across a sugarcane field. Catena, 2019, 181, 104054.	5.0	12
22	Selecting optimal calibration samples using proximal sensing EM induction and Î³-ray spectrometry data: An application to managing lime and magnesium in sugarcane growing soil. Journal of Environmental Management, 2021, 296, 113357.	7.8	12
23	Unravelling drivers of field-scale digital mapping of topsoil organic carbon and its implications for nitrogen practices. Computers and Electronics in Agriculture, 2022, 193, 106640.	7.7	10
24	Spatiotemporal Pattern Evolution of Urban Ecosystem Resilience Based on â€œResistance-Adaptation-Vitalityâ€: A Case Study of Nanchang City. Frontiers in Earth Science, 2022, 10, .	1.8	10
25	Integration of Low-Carbon Eco-City, Green Campus and Green Building in China. Green Energy and Technology, 2020, , 49-78.	0.6	7
26	Comparative research on tillable properties of diatomite-improved soils in the Yangtze River Delta region, China. Science of the Total Environment, 2016, 568, 480-488.	8.0	6
27	Comparison of a digital soil map and conventional soil map for management of topsoil exchangeable sodium percentage. Soil Use and Management, 2022, 38, 121-134.	4.9	5
28	Dynamic Change of Vegetation Index and Its Influencing Factors in Alxa League in the Arid Area. Frontiers in Ecology and Evolution, 0, 10, .	2.2	5
29	Proximally sensed digital data library to predict topsoil clay across multiple sugarcane fields of Australia: Applicability of local and universal support vector machine. Catena, 2021, 196, 104934.	5.0	2
30	A systematic evaluation of multisensor data and multivariate prediction methods for digitally mapping exchangeable cations: A case study in Australian sugarcane field. Geoderma Regional, 2021, 25, e00400.	2.1	1