

Renkuan Liao

List of Publications by Year in descending order

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papers

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165
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative assessment of groundwater pollution risk in reclaimed water irrigation areas of northern China. <i>Environmental Pollution</i> , 2020, 261, 114173.	7.5	34
2	Effects of Superabsorbent Polymers on the Hydraulic Parameters and Water Retention Properties of Soil. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-11.	2.7	20
3	Phosphorus transport in riverbed sediments and related adsorption and desorption characteristics in the Beiyun River, China. <i>Environmental Pollution</i> , 2020, 266, 115153.	7.5	19
4	A quantitative study on three-dimensional pore parameters and physical properties of sodic soils restored by FGD gypsum and leaching water. <i>Journal of Environmental Management</i> , 2019, 248, 109303.	7.8	18
5	Development of a Soil Water Movement Model for the Superabsorbent Polymer Application. <i>Soil Science Society of America Journal</i> , 2018, 82, 436-446.	2.2	13
6	An Inverse Method to Estimate the Root Water Uptake Source-Sink Term in Soil Water Transport Equation under the Effect of Superabsorbent Polymer. <i>PLoS ONE</i> , 2016, 11, e0159936.	2.5	13
7	Establishing and validating a root water uptake model under the effects of superabsorbent polymers. <i>Land Degradation and Development</i> , 2018, 29, 1478-1488.	3.9	10
8	Modeling soil water flow and quantification of root water extraction from different soil layers under multi-chemicals application in dry land field. <i>Agricultural Water Management</i> , 2018, 203, 75-86.	5.6	9
9	Quantitative evaluation of pore characteristics of sodic soils reclaimed by flue gas desulphurization gypsum using X-ray computed tomography. <i>Land Degradation and Development</i> , 2020, 31, 545-556.	3.9	8
10	An integrated approach for enhancing the overall performance of constructed wetlands in urban areas. <i>Water Research</i> , 2020, 187, 116443.	11.3	8
11	Multifractal analysis of soil particle size distribution to evaluate the effects of gypsum on the quality of sodic soils. <i>European Journal of Soil Science</i> , 2020, 72, 1726.	3.9	8
12	Physiological regulation mechanism of multi-chemicals on water transport and use efficiency in soil-maize system. <i>Journal of Cleaner Production</i> , 2018, 172, 1289-1297.	9.3	6
13	Quantifying moisture availability in soil profiles of cherry orchards under different irrigation regimes. <i>Agricultural Water Management</i> , 2019, 225, 105780.	5.6	4
14	Effect of superabsorbent polymer on root water uptake and quantification of water uptake from soil profile in dry land. <i>Soil Use and Management</i> , 2017, 33, 482-486.	4.9	3
15	Quantitative Fractal Evaluation of Herbicide Effects on the Water-Absorbing Capacity of Superabsorbent Polymers. <i>Journal of Nanomaterials</i> , 2014, 2014, 1-9.	2.7	2
16	Development of water quality management strategies based on multi-scale field investigation of nitrogen distribution: a case study of Beiyun River, China. <i>Environmental Science and Pollution Research</i> , 2022, 29, 56511-56524.	5.3	2
17	Quantifying the Spatial Distribution of Soil Nitrogen under Long-Term Drip Fertigation. <i>Water (Switzerland)</i> , 2022, 14, 1337.	2.7	0