

Xinbo Liu

List of Publications by Year in descending order

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13
papers

246
citations

1040056

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1199594

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all docs

13
docs citations

13
times ranked

229
citing authors

#	ARTICLE	IF	CITATIONS
1	Development and evolution of Loess vertical joints on the Chinese Loess Plateau at different spatiotemporal scales. <i>Engineering Geology</i> , 2020, 265, 105372.	6.3	44
2	The genesis, development, and evolution of original vertical joints in loess. <i>Earth-Science Reviews</i> , 2021, 214, 103526.	9.1	38
3	Measurement of soil water content using ground-penetrating radar: a review of current methods. <i>International Journal of Digital Earth</i> , 2019, 12, 95-118.	3.9	37
4	Non-invasive estimation of root zone soil moisture from coarse root reflections in ground-penetrating radar images. <i>Plant and Soil</i> , 2019, 436, 623-639.	3.7	26
5	Exploring the interplay between infiltration dynamics and Critical Zone structures with multiscale geophysical imaging: A review. <i>Geoderma</i> , 2020, 374, 114431.	5.1	24
6	Detection of Root Orientation Using Ground-Penetrating Radar. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018, 56, 93-104.	6.3	22
7	Pairing dual-frequency GPR in summer and winter enhances the detection and mapping of coarse roots in the semi-arid shrubland in China. <i>European Journal of Soil Science</i> , 2020, 71, 236-251.	3.9	14
8	Noninvasive 2D and 3D Mapping of Root Zone Soil Moisture Through the Detection of Coarse Roots With Ground-Penetrating Radar. <i>Water Resources Research</i> , 2020, 56, e2019WR026930.	4.2	12
9	GPR-Based Automatic Identification of Root Zones of Influence Using HDBSCAN. <i>Remote Sensing</i> , 2021, 13, 1227.	4.0	9
10	LIDAR and Millimeter-Wave Cloud RADAR (MWCR) techniques for joint observations of cirrus in Shouxian (32.56°N, 116.78°E), China. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2016, 148, 64-73.	1.6	8
11	The Root-Soil Water Relationship Is Spatially Anisotropic in Shrub-Encroached Grassland in North China: Evidence from GPR Investigation. <i>Remote Sensing</i> , 2021, 13, 1137.	4.0	7
12	Analysis for the spatial and temporal patterns of plasticulture in Shandong province, China with remotely sensed data. , 2016, , .		3
13	An Automatic Processing Framework for <i>In Situ</i> Determination of Ecohydrological Root Water Content by Ground-Penetrating Radar. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-15.	6.3	2