

Sara Bonetti

List of Publications by Citations

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Version: 2024-04-28

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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.

21
papers

257
citations

8
h-index

15
g-index

34
ext. papers

341
ext. citations

5.1
avg, IF

3.85
L-index

#	Paper	IF	Citations
21	Tree root systems competing for soil moisture in a 3D soil-plant model. <i>Advances in Water Resources</i> , 2014 , 66, 32-42	4.7	48
20	Global convergence of COVID-19 basic reproduction number and estimation from early-time SIR dynamics. <i>PLoS ONE</i> , 2020 , 15, e0239800	3.7	45
19	Manning's formula and Strickler's scaling explained by a co-spectral budget model. <i>Journal of Fluid Mechanics</i> , 2017 , 812, 1189-1212	3.7	23
18	Competition for light and water in a coupled soil-plant system. <i>Advances in Water Resources</i> , 2017 , 108, 216-230	4.7	23
17	The influence of water table depth and the free atmospheric state on convective rainfall predisposition. <i>Water Resources Research</i> , 2015 , 51, 2283-2297	5.4	17
16	On the theory of drainage area for regular and non-regular points. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2018 , 474, 20170693	2.4	12
15	Channelization cascade in landscape evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 1375-1382	11.5	11
14	Global convergence of COVID-19 basic reproduction number and estimation from early-time SIR dynamics		9
13	On the dynamic smoothing of mountains. <i>Geophysical Research Letters</i> , 2017 , 44, 5531-5539	4.9	8
12	The effect of accelerated soil erosion on hillslope morphology. <i>Earth Surface Processes and Landforms</i> , 2019 , 44, 3007-3019	3.7	8
11	Modeling Soil-Plant Dynamics: Assessing Simulation Accuracy by Comparison with Spatially Distributed Crop Yield Measurements. <i>Vadose Zone Journal</i> , 2015 , 14, 1-13	2.7	7
10	Global Prediction of Soil Saturated Hydraulic Conductivity Using Random Forest in a Covariate-Based GeoTransfer Function (CoGTF) Framework. <i>Journal of Advances in Modeling Earth Systems</i> , 2021 , 13, e2020MS002242	7.1	7
9	A framework for quantifying hydrologic effects of soil structure across scales. <i>Communications Earth & Environment</i> , 2021 , 2,	6.1	7
8	A fast-flow model of banded vegetation pattern formation in drylands. <i>Physica D: Nonlinear Phenomena</i> , 2020 , 410, 132534	3.3	6
7	SoilKsatDB: global database of soil saturated hydraulic conductivity measurements for geoscience applications. <i>Earth System Science Data</i> , 2021 , 13, 1593-1612	10.5	5
6	Vegetation Pattern Formation in Drylands 2019 , 469-509		4
5	From turbulence to landscapes: Logarithmic mean profiles in bounded complex systems. <i>Physical Review E</i> , 2020 , 102, 033107	2.4	4

4	Persistent decay of fresh xylem hydraulic conductivity varies with pressure gradient and marks plant responses to injury. <i>Plant, Cell and Environment</i> , 2021 , 44, 371-386	8.4	4
3	Ecohydrological controls on plant diversity in tropical South America. <i>Ecohydrology</i> , 2017 , 10, e1853	2.5	3
2	Monitoring and Modeling Farmland Productivity Along the Venice Coastland, Italy. <i>Procedia Environmental Sciences</i> , 2013 , 19, 361-368		3
1	Global Mapping of Soil Water Characteristics Parameters Fusing Curated Data with Machine Learning and Environmental Covariates. <i>Remote Sensing</i> , 2022 , 14, 1947	5	2