

Ioulia Tchiguirinskaia

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

410
citations

1040056

9
h-index

940533

16
g-index

20
all docs

20
docs citations

20
times ranked

423
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of spatial and temporal resolution of rainfall inputs on urban hydrodynamic modelling outputs: A multi-catchment investigation. <i>Journal of Hydrology</i> , 2015, 531, 389-407.	5.4	206
2	Scale effect challenges in urban hydrology highlighted with a distributed hydrological model. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 331-350.	4.9	39
3	Impacts of small scale rainfall variability in urban areas: a case study with 1D and 1D/2D hydrological models in a multifractal framework. <i>Urban Water Journal</i> , 2015, 12, 607-617.	2.1	33
4	Fractal analysis of urban catchments and their representation in semi-distributed models: imperviousness and sewer system. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 2361-2375.	4.9	17
5	Rain gauge networksâ€™ limitations and the implications to hydrological modelling highlighted with a X-band radar. <i>Journal of Hydrology</i> , 2020, 583, 124615.	5.4	15
6	Multi-hydro hydrological modelling of a complex peri-urban catchment with storage basins comparing C-band and X-band radar rainfall data. <i>Hydrological Sciences Journal</i> , 2018, 63, 1619-1635.	2.6	13
7	Multifractal Comparison of Reflectivity and Polarimetric Rainfall Data from C- and X-Band Radars and Respective Hydrological Responses of a Complex Catchment Model. <i>Water (Switzerland)</i> , 2018, 10, 269.	2.7	13
8	Multifractal characterisation of a simulated surface flow: A case study with Multi-Hydro in Jouy-en-Josas, France. <i>Journal of Hydrology</i> , 2018, 558, 482-495.	5.4	12
9	Two months of disdrometer data in the Paris area. <i>Earth System Science Data</i> , 2018, 10, 941-950.	9.9	12
10	Multifractal vector fields and stochastic Clifford algebra. <i>Chaos</i> , 2015, 25, 123127.	2.5	10
11	Space variability impacts on hydrological responses of nature-based solutions and the resulting uncertainty: a case study of Guyancourt (France). <i>Hydrology and Earth System Sciences</i> , 2021, 25, 3137-3162.	4.9	10
12	Small-Scale Rainfall Variability Impacts Analyzed by Fully-Distributed Model Using C-Band and X-Band Radar Data. <i>Water (Switzerland)</i> , 2019, 11, 1273.	2.7	9
13	A Century of Turbulent Cascades and the Emergence of Multifractal Operators. <i>Earth and Space Science</i> , 2020, 7, e2019EA000608.	2.6	8
14	Infilling missing data of binary geophysical fields using scale invariant properties through an application to imperviousness in urban areas. <i>Hydrological Sciences Journal</i> , 0, , 1-14.	2.6	3
15	Pandora Box of Multifractals: Barely Open?. , 2018, , 543-563.		2
16	Approximate multifractal correlation and products of universal multifractal fields, with application to rainfall data. <i>Nonlinear Processes in Geophysics</i> , 2020, 27, 133-145.	1.3	2
17	An Introduction to Multifractals and Scale Symmetry Groups. , 2017, , 1-28.		2
18	Multifractal characterisation of overland flow of nature-based solutions scenarios. <i>Hydrological Sciences Journal</i> , 2022, 67, 1054-1064.	2.6	2

#	ARTICLE	IF	CITATIONS
19	Scale invariant relationship between rainfall kinetic energy and intensity in Paris region: An evaluation using universal multifractal framework. Journal of Hydrology, 2022, 609, 127715.	5.4	2