

Renzo Rosso

List of Publications by Year in descending order

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44
papers

3,265
citations

257450

24
h-index

233421

45
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46
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46
docs citations

46
times ranked

3194
citing authors

#	ARTICLE	IF	CITATIONS
1	Twenty-three unsolved problems in hydrology (UPH) – a community perspective. <i>Hydrological Sciences Journal</i> , 2019, 64, 1141-1158.	2.6	474
2	On the fractal dimension of stream networks. <i>Water Resources Research</i> , 1989, 25, 735-741.	4.2	279
3	Scaling and multiscaling models of depth-duration-frequency curves for storm precipitation. <i>Journal of Hydrology</i> , 1996, 187, 45-64.	5.4	253
4	Fractionally differenced ARIMA models applied to hydrologic time series: Identification, estimation, and simulation. <i>Water Resources Research</i> , 1997, 33, 1035-1044.	4.2	224
5	Nash Model Relation to Horton Order Ratios. <i>Water Resources Research</i> , 1984, 20, 914-920.	4.2	201
6	A seasonal fractional ARIMA Model applied to the Nile River monthly flows at Aswan. <i>Water Resources Research</i> , 2000, 36, 1249-1259.	4.2	142
7	A physically based model for the hydrologic control on shallow landsliding. <i>Water Resources Research</i> , 2006, 42, .	4.2	132
8	Fractal relation of mainstream length to catchment area in river networks. <i>Water Resources Research</i> , 1991, 27, 381-387.	4.2	125
9	Forecasting of short-term rainfall using ARMA models. <i>Journal of Hydrology</i> , 1993, 144, 193-211.	5.4	102
10	Future Hydrological Regimes in the Upper Indus Basin: A Case Study from a High-Altitude Glacierized Catchment. <i>Journal of Hydrometeorology</i> , 2015, 16, 306-326.	1.9	86
11	The derivation of areal reduction factor of storm rainfall from its scaling properties. <i>Water Resources Research</i> , 2001, 37, 3247-3252.	4.2	72
12	Hydrologic response of upland catchments to wildfires. <i>Advances in Water Resources</i> , 2007, 30, 2072-2086.	3.8	70
13	Parameterization of stream channel geometry in the distributed modeling of catchment dynamics. <i>Water Resources Research</i> , 1998, 34, 1971-1985.	4.2	65
14	Effects of transient climate change on basin hydrology. 1. Precipitation scenarios for the Arno River, central Italy. <i>Hydrological Processes</i> , 2002, 16, 1151-1175.	2.6	60
15	Flood hydrograph attenuation induced by a reservoir system: analysis with a distributed rainfall-runoff model. <i>Hydrological Processes</i> , 2004, 18, 545-563.	2.6	50
16	Some long-run properties of rainfall records in Italy. <i>Journal of Geophysical Research</i> , 1996, 101, 29431-29438.	3.3	49
17	Rainfall simulations on a fire disturbed mediterranean area. <i>Journal of Hydrology</i> , 2006, 327, 323-338.	5.4	48
18	The distribution of daily snow water equivalent in the central Italian Alps. <i>Advances in Water Resources</i> , 2007, 30, 135-147.	3.8	48

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19	Modeling catchment erosion after wildfires in the San Gabriel Mountains of southern California. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	4.0	46
20	Extreme storm rainfall and climatic change. <i>Atmospheric Research</i> , 1991, 27, 169-189.	4.1	35
21	Adaptive calibration of a conceptual model for flash flood forecasting. <i>Water Resources Research</i> , 1993, 29, 2561-2572.	4.2	34
22	Regional snow depth frequency curves for avalanche hazard mapping in central Italian Alps. <i>Cold Regions Science and Technology</i> , 2006, 46, 204-221.	3.5	30
23	Effects of transient climate change on basin hydrology. 2. Impacts on runoff variability in the Arno River, central Italy. <i>Hydrological Processes</i> , 2002, 16, 1177-1199.	2.6	29
24	Distributed estimation of incoming direct solar radiation over a drainage basin. <i>Journal of Hydrology</i> , 1995, 166, 461-478.	5.4	23
25	Orographic Signature on Extreme Precipitation of Short Durations. <i>Journal of Hydrometeorology</i> , 2015, 16, 278-294.	1.9	23
26	Hydrodynamic description of the erosional development of drainage patterns. <i>Water Resources Research</i> , 1989, 25, 319-332.	4.2	22
27	Safety of Italian dams in the face of flood hazard. <i>Advances in Water Resources</i> , 2014, 71, 23-31.	3.8	20
28	Local Contributions to Infiltration Excess Runoff for a Conceptual Catchment Scale Model. <i>Water Resources Research</i> , 1996, 32, 2003-2012.	4.2	17
29	Nonlinearity and Time-variance of the Hydrologic Response of a Small Mountain Creek. <i>Water Science and Technology Library</i> , 1986, , 19-37.	0.3	14
30	Comment on "Parameter estimation and sensitivity analysis for the modified Bartlett-Lewis rectangular pulses model of rainfall" by S. Islam et al.. <i>Journal of Geophysical Research</i> , 1991, 96, 9391-9395.	3.3	14
31	A non-conventional watershed partitioning method for semi-distributed hydrological modelling: the package ALADHYN. <i>Hydrological Processes</i> , 2002, 16, 277-291.	2.6	14
32	Comment on "Chaos in rainfall" by I. Rodriguez-Iturbe et al.. <i>Water Resources Research</i> , 1990, 26, 1837-1839.	4.2	11
33	Modelling hydrological data with and without long memory. <i>Meccanica</i> , 1996, 31, 87-101.	2.0	11
34	Scaling properties of topologically random channel networks. <i>Journal of Hydrology</i> , 1996, 187, 183-193.	5.4	10
35	A linear approach to the influence of discharge measurement error on flood estimates. <i>Hydrological Sciences Journal</i> , 1985, 30, 137-149.	2.6	9
36	Reply [to "Comment on "On the fractal dimension of stream networks" by Paolo La Barbera and Renzo Rosso]. <i>Water Resources Research</i> , 1990, 26, 2245-2248.	4.2	8

#	ARTICLE	IF	CITATIONS
37	Use of a snowmelt model for weekly flood forecast for a major reservoir in Lithuania. <i>Annals of Glaciology</i> , 2008, 49, 33-37.	1.4	8
38	Large-scale land acquisition as a potential driver of slope instability. <i>Land Degradation and Development</i> , 2021, 32, 1773-1785.	3.9	6
39	Assessment of Climate-Driven Flood Risk and Adaptation Supporting the Conservation Management Plan of a Heritage Site. <i>The National Art Schools of Cuba. Climate</i> , 2021, 9, 23.	2.8	6
40	Use of a Regional Approach for Long-Term Simulation of Snow Avalanche Regime: a Case Study in the Italian Alps. <i>Arctic, Antarctic, and Alpine Research</i> , 2009, 41, 285-300.	1.1	5
41	Hydraulic approach to Navigli canal daylighting in Milan, Italy. <i>Sustainable Cities and Society</i> , 2017, 32, 247-262.	10.4	5
42	A Stokesian model of areal clear-sky direct radiation for mountainous terrain. <i>Geophysical Research Letters</i> , 1993, 20, 2893-2896.	4.0	2
43	Discussion of "Bivariate Flood Frequency Analysis Using the Copula Method" by L. Zhang and V. P. Singh. <i>Journal of Hydrologic Engineering - ASCE</i> , 2008, 13, 286-287.	1.9	2
44	Determination of flood characteristics by physically-based methods. , 1994, , 77-110.		2