

Renzo Rosso

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

3,265
citations

257450

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233421

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docs citations

46
times ranked

3194
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Large-scale land acquisition as a potential driver of slope instability. <i>Land Degradation and Development</i> , 2021, 32, 1773-1785. | 3.9 | 6 |
| 2 | Assessment of Climate-Driven Flood Risk and Adaptation Supporting the Conservation Management Plan of a Heritage Site. <i>The National Art Schools of Cuba</i> . <i>Climate</i> , 2021, 9, 23. | 2.8 | 6 |
| 3 | Twenty-three unsolved problems in hydrology (UPH) – a community perspective. <i>Hydrological Sciences Journal</i> , 2019, 64, 1141-1158. | 2.6 | 474 |
| 4 | Hydraulic approach to Navigli canal daylighting in Milan, Italy. <i>Sustainable Cities and Society</i> , 2017, 32, 247-262. | 10.4 | 5 |
| 5 | 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 |
| 6 | Orographic Signature on Extreme Precipitation of Short Durations. <i>Journal of Hydrometeorology</i> , 2015, 16, 278-294. | 1.9 | 23 |
| 7 | Safety of Italian dams in the face of flood hazard. <i>Advances in Water Resources</i> , 2014, 71, 23-31. | 3.8 | 20 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | Hydrologic response of upland catchments to wildfires. <i>Advances in Water Resources</i> , 2007, 30, 2072-2086. | 3.8 | 70 |
| 12 | 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 |
| 13 | A physically based model for the hydrologic control on shallow landsliding. <i>Water Resources Research</i> , 2006, 42, . | 4.2 | 132 |
| 14 | 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 |
| 15 | Rainfall simulations on a fire disturbed mediterranean area. <i>Journal of Hydrology</i> , 2006, 327, 323-338. | 5.4 | 48 |
| 16 | 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 |
| 17 | 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 |
| 18 | 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 |

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|----|---|-----|-----------|
| 19 | 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 |
| 20 | 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 |
| 21 | 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 |
| 22 | 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 |
| 23 | Parameterization of stream channel geometry in the distributed modeling of catchment dynamics. <i>Water Resources Research</i> , 1998, 34, 1971-1985. | 4.2 | 65 |
| 24 | 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 |
| 25 | Local Contributions to Infiltration Excess Runoff for a Conceptual Catchment Scale Model. <i>Water Resources Research</i> , 1996, 32, 2003-2012. | 4.2 | 17 |
| 26 | Some long-run properties of rainfall records in Italy. <i>Journal of Geophysical Research</i> , 1996, 101, 29431-29438. | 3.3 | 49 |
| 27 | Scaling and multiscaling models of depth-duration-frequency curves for storm precipitation. <i>Journal of Hydrology</i> , 1996, 187, 45-64. | 5.4 | 253 |
| 28 | Scaling properties of topologically random channel networks. <i>Journal of Hydrology</i> , 1996, 187, 183-193. | 5.4 | 10 |
| 29 | Modelling hydrological data with and without long memory. <i>Meccanica</i> , 1996, 31, 87-101. | 2.0 | 11 |
| 30 | Distributed estimation of incoming direct solar radiation over a drainage basin. <i>Journal of Hydrology</i> , 1995, 166, 461-478. | 5.4 | 23 |
| 31 | Determination of flood characteristics by physically-based methods. , 1994, , 77-110. | | 2 |
| 32 | Forecasting of short-term rainfall using ARMA models. <i>Journal of Hydrology</i> , 1993, 144, 193-211. | 5.4 | 102 |
| 33 | A Stokesian model of areal clear-sky direct radiation for mountainous terrain. <i>Geophysical Research Letters</i> , 1993, 20, 2893-2896. | 4.0 | 2 |
| 34 | Adaptive calibration of a conceptual model for flash flood forecasting. <i>Water Resources Research</i> , 1993, 29, 2561-2572. | 4.2 | 34 |
| 35 | Extreme storm rainfall and climatic change. <i>Atmospheric Research</i> , 1991, 27, 169-189. | 4.1 | 35 |
| 36 | Fractal relation of mainstream length to catchment area in river networks. <i>Water Resources Research</i> , 1991, 27, 381-387. | 4.2 | 125 |

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|----|---|-----|-----------|
| 37 | Comment on "Parameter estimation and sensitivity analysis for the modified Bartlett-Lewis rectangular pulses model of rainfall" by S. Islam et al.. Journal of Geophysical Research, 1991, 96, 9391-9395. | 3.3 | 14 |
| 38 | Comment on "Chaos in rainfall" by I. Rodriguez-Iturbe et al.. Water Resources Research, 1990, 26, 1837-1839. | 4.2 | 11 |
| 39 | Reply [to "Comment on "On the fractal dimension of stream networks"™ by Paolo La Barbera and Renzo Rosso"]. Water Resources Research, 1990, 26, 2245-2248. | 4.2 | 8 |
| 40 | Hydrodynamic description of the erosional development of drainage patterns. Water Resources Research, 1989, 25, 319-332. | 4.2 | 22 |
| 41 | On the fractal dimension of stream networks. Water Resources Research, 1989, 25, 735-741. | 4.2 | 279 |
| 42 | Nonlinearity and Time-variance of the Hydrologic Response of a Small Mountain Creek. Water Science and Technology Library, 1986, , 19-37. | 0.3 | 14 |
| 43 | A linear approach to the influence of discharge measurement error on flood estimates. Hydrological Sciences Journal, 1985, 30, 137-149. | 2.6 | 9 |
| 44 | Nash Model Relation to Horton Order Ratios. Water Resources Research, 1984, 20, 914-920. | 4.2 | 201 |