Marco Borga

List of Publications by Year
in descending order

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183	13,926	16451 64	24258 110
papers	citations	h-index	g-index

204	204	204	10363
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Changing climate both increases and decreases European river floods. Nature, 2019, 573, 108-111.	27.8	639
2	A compilation of data on European flash floods. Journal of Hydrology, 2009, 367, 70-78.	5.4	623
3	Changing climate shifts timing of European floods. Science, 2017, 357, 588-590.	12.6	584
4	Characterisation of selected extreme flash floods in Europe and implications for flood risk management. Journal of Hydrology, 2010, 394, 118-133.	5.4	479
5	Understanding flood regime changes in Europe: a state-of-the-art assessment. Hydrology and Earth System Sciences, 2014, 18, 2735-2772.	4.9	423
6	Hydrogeomorphic response to extreme rainfall in headwater systems: Flash floods and debris flows. Journal of Hydrology, 2014, 518, 194-205.	5.4	329
7	The influence of soil moisture on threshold runoff generation processes in an alpine headwater catchment. Hydrology and Earth System Sciences, 2011, 15, 689-702.	4.9	319
8	Flash flood warning based on rainfall thresholds and soil moisture conditions: An assessment for gauged and ungauged basins. Journal of Hydrology, 2008, 362, 274-290.	5.4	299
9	HyMeX: A 10-Year Multidisciplinary Program on the Mediterranean Water Cycle. Bulletin of the American Meteorological Society, 2014, 95, 1063-1082.	3.3	288
10	Land use change impacts on floods at the catchment scale: Challenges and opportunities for future research. Water Resources Research, 2017, 53, 5209-5219.	4.2	269
11	HyMeX-SOP1: The Field Campaign Dedicated to Heavy Precipitation and Flash Flooding in the Northwestern Mediterranean. Bulletin of the American Meteorological Society, 2014, 95, 1083-1100.	3.3	262
12	Hydrometeorological Analysis of the 29 August 2003 Flash Flood in the Eastern Italian Alps. Journal of Hydrometeorology, 2007, 8, 1049-1067.	1.9	259
13	Flash flood forecasting, warning and risk management: the HYDRATE project. Environmental Science and Policy, 2011, 14, 834-844.	4.9	256
14	The missing link between flood risk awareness and preparedness: findings from case studies in an Alpine Region. Natural Hazards, 2012, 63, 499-520.	3.4	223
15	Space-time variability of climate variables and intermittent renewable electricity production â€“ A review. Renewable and Sustainable Energy Reviews, 2017, 79, 600-617.	16.4	188
16	Seasonal characteristics of flood regimes across the Alpineâ€“Carpathian range. Journal of Hydrology, 2010, 394, 78-89.	5.4	181
17	Accuracy of radar rainfall estimates for streamflow simulation. Journal of Hydrology, 2002, 267, 26-39.	5.4	178
18	Regional frequency analysis of extreme precipitation in the eastern Italian Alps and the August 29, 2003 flash flood. Journal of Hydrology, 2007, 345, 149-166.	5.4	178

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19	Surveying flash floods: gauging the ungauged extremes. Hydrological Processes, 2008, 22, 3883-3885.	2.6	175
20	Hillslope scale soil moisture variability in a steep alpine terrain. Journal of Hydrology, 2009, 364, 311-327.	5.4	171
21	Soil moisture temporal stability at different depths on two alpine hillslopes during wet and dry periods. Journal of Hydrology, 2013, 477, 55-71.	5.4	163
22	Postâ€flood field investigations in upland catchments after major flash floods: proposal of a methodology and illustrations. Journal of Flood Risk Management, 2008, 1, 175-189.	3.3	162
23	Shallow landslide hazard assessment using a physically based model and digital elevation data. Environmental Geology, 1998, 35, 81-88.	1.2	150
24	Controls on event runoff coefficients in the eastern Italian Alps. Journal of Hydrology, 2009, 375, 312-325.	5.4	149
25	Error Analysis of Satellite Precipitation Products in Mountainous Basins. Journal of Hydrometeorology, 2014, 15, 1778-1793.	1.9	149
26	Analysis of topographic and climatic control on rainfall-triggered shallow landsliding using a quasi-dynamic wetness index. Journal of Hydrology, 2002, 268, 56-71.	5.4	140
27	Impact of uncertainty in rainfall estimation on the identification of rainfall thresholds for debris flow occurrence. Geomorphology, 2014, 221, 286-297.	2.6	134
28	Multiregional Satellite Precipitation Products Evaluation over Complex Terrain. Journal of Hydrometeorology, 2016, 17, 1817-1836.	1.9	123
29	On the interpolation of hydrologic variables: formal equivalence of multiquadratic surface fitting and kriging. Journal of Hydrology, 1997, 195, 160-171.	5.4	121
30	On the reproducibility and repeatability of laser absorption spectroscopy measurements for Î´²H and Î´¹⁸O isotopic analysis. Hydrology and Earth System Sciences, 2010, 14, 1551-1566.	4.9	116
31	Radar hydrology modifies the monitoring of flash-flood hazard. Hydrological Processes, 2003, 17, 1453-1456.	2.6	115
32	Complementarity between solar and hydro power: Sensitivity study to climate characteristics in Northern-Italy. Renewable Energy, 2016, 86, 543-553.	8.9	112
33	A versatile index to characterize hysteresis between hydrological variables at the runoff event timescale. Hydrological Processes, 2016, 30, 1449-1466.	2.6	105
34	Assessment of shallow landsliding by using a physically based model of hillslope stability. Hydrological Processes, 2002, 16, 2833-2851.	2.6	102
35	Scaling precipitation extremes with temperature in the Mediterranean: past climate assessment and projection in anthropogenic scenarios. Climate Dynamics, 2018, 51, 1237-1257.	3.8	100
36	Understanding the Scale Relationships of Uncertainty Propagation of Satellite Rainfall through a Distributed Hydrologic Model. Journal of Hydrometeorology, 2010, 11, 520-532.	1.9	98

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37	Analysis of flash flood regimes in the North-Western and South-Eastern Mediterranean regions. Natural Hazards and Earth System Sciences, 2012, 12, 1255-1265.	3.6	96
38	Seasonal changes in runoff generation in a small forested mountain catchment. Hydrological Processes, 2015, 29, 2027-2042.	2.6	95
39	Channel response to extreme floods: Insights on controlling factors from six mountain rivers in northern Apennines, Italy. Geomorphology, 2016, 272, 78-91.	2.6	89
40	On the use of real-time radar rainfall estimates for flood prediction in mountainous basins. Journal of Geophysical Research, 2000, 105, 2269-2280.	3.3	88
41	Which rainfall spatial information for flash flood response modelling? A numerical investigation based on data from the Carpathian range, Romania. Journal of Hydrology, 2010, 394, 148-161.	5.4	88
42	A new monitoring station for debris flows in the European Alps: first observations in the Gadria basin. Natural Hazards, 2014, 73, 1175-1198.	3.4	86
43	Increasing climate-related-energy penetration by integrating run-of-the river hydropower to wind/solar mix. Renewable Energy, 2016, 87, 686-696.	8.9	86
44	Influence of rainfall and soil properties spatial aggregation on extreme flash flood response modelling: An evaluation based on the Sesia river basin, North Western Italy. Advances in Water Resources, 2009, 32, 1090-1106.	3.8	83
45	Spatial moments of catchment rainfall: rainfall spatial organisation, basin morphology, and flood response. Hydrology and Earth System Sciences, 2011, 15, 3767-3783.	4.9	83
46	Quantifying space-time dynamics of flood event types. Journal of Hydrology, 2010, 394, 213-229.	5.4	82
47	Geomorphic response to an extreme flood in two Mediterranean rivers (northeastern Sardinia, Italy): Analysis of controlling factors. Geomorphology, 2017, 290, 184-199.	2.6	81
48	USE OF DIGITAL ELEVATION MODEL DATA FOR THE DERIVATION OF THE GEOMORPHOLOGICAL INSTANTANEOUS UNIT HYDROGRAPH. Hydrological Processes, 1997, 11, 13-33.	2.6	80
49	Using High-Resolution Satellite Rainfall Products to Simulate a Major Flash Flood Event in Northern Italy. Journal of Hydrometeorology, 2013, 14, 171-185.	1.9	80
50	Hydrological model sensitivity to parameter and radar rainfall estimation uncertainty. Hydrological Processes, 2004, 18, 3277-3291.	2.6	79
51	Estimation of debris flow triggering rainfall: Influence of rain gauge density and interpolation methods. Geomorphology, 2015, 243, 40-50.	2.6	79
52	Flash flood warning in ungauged basins by use of the flash flood guidance and modelâ€based runoff thresholds. Meteorological Applications, 2009, 16, 65-75.	2.1	78
53	Performance evaluation of high-resolution rainfall estimation by X-band dual-polarization radar for flash flood applications in mountainous basins. Journal of Hydrology, 2010, 394, 4-16.	5.4	78
54	Technical Note: Evaluation of between-sample memory effects in the analysis of Î´²H and Î´¹⁸O of water samples measured by laser spectroscopes. Hydrology and Earth System Sciences, 2012, 16, 3925-3933.	4.9	78

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55	Radar rainfall estimation for the identification of debris-flow occurrence thresholds. Journal of Hydrology, 2014, 519, 1607-1619.	5.4	77
56	Sensitivity of a mountain basin flash flood to initial wetness condition and rainfall variability. Journal of Hydrology, 2011, 402, 165-178.	5.4	76
57	A space and time framework for analyzing human anticipation of flash floods. Journal of Hydrology, 2013, 482, 14-24.	5.4	75
58	Hydrological response of an Alpine catchment to rainfall and snowmelt events. Journal of Hydrology, 2016, 537, 382-397.	5.4	75
59	Evaluation of GPM-era Global Satellite Precipitation Products over Multiple Complex Terrain Regions. Remote Sensing, 2019, 11, 2936.	4.0	74
60	Regional Rainfall Depthâ€“Durationâ€“Frequency Equations for an Alpine Region. Natural Hazards, 2005, 36, 221-235.	3.4	73
61	Role of Vegetation on Slope Stability under Transient Unsaturated Conditions. Procedia Environmental Sciences, 2013, 19, 932-941.	1.4	73
62	Rainfall estimation from in situ soil moisture observations at several sites in Europe: an evaluation of the SM2RAIN algorithm. Journal of Hydrology and Hydromechanics, 2015, 63, 201-209.	2.0	73
63	Dynamics of large wood during a flash flood in two mountain catchments. Natural Hazards and Earth System Sciences, 2015, 15, 1741-1755.	3.6	73
64	Improving Radar-Based Estimation of Rainfall over Complex Terrain. Journal of Applied Meteorology and Climatology, 2002, 41, 1163-1178.	1.7	71
65	Rainfall-triggered landslides: a reference list. Environmental Geology, 1998, 35, 219-233.	1.2	67
66	Long-term assessment of bias adjustment in radar rainfall estimation. Water Resources Research, 2002, 38, 8-1-8-10.	4.2	67
67	Catchment dynamics and social response during flash floods: the potential of radar rainfall monitoring for warning procedures. Meteorological Applications, 2009, 16, 115-125.	2.1	67
68	Hess Opinions: An interdisciplinary research agenda to explore the unintended consequences of structural flood protection. Hydrology and Earth System Sciences, 2018, 22, 5629-5637.	4.9	67
69	Social and Hydrological Responses to Extreme Precipitations: An Interdisciplinary Strategy for Postflood Investigation. Weather, Climate, and Society, 2014, 6, 135-153.	1.1	66
70	Spaceâ€“time organization of debris flows-triggering rainfall and its effect on the identification of the rainfall threshold relationship. Journal of Hydrology, 2016, 541, 246-255.	5.4	66
71	Flash floods: Observations and analysis of hydro-meteorological controls. Journal of Hydrology, 2010, 394, 1-3.	5.4	65
72	Precipitation and temperature spaceâ€“time variability and extremes in the Mediterranean region: evaluation of dynamical and statistical downscaling methods. Climate Dynamics, 2013, 40, 2687-2705.	3.8	63

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73	Barriers to the exchange of hydrometeorological data in Europe: Results from a survey and implications for data policy. Journal of Hydrology, 2010, 394, 63-77.	5.4	62
74	Integrated high-resolution dataset of high-intensity European and Mediterranean flash floods. Earth System Science Data, 2018, 10, 1783-1794.	9.9	62
75	Influence of rainfall spatial resolution on flash flood modelling. Natural Hazards and Earth System Sciences, 2009, 9, 575-584.	3.6	61
76	Coupled prediction of flash flood response and debris flow occurrence: Application on an alpine extreme flood event. Journal of Hydrology, 2018, 558, 225-237.	5.4	59
77	Hydrological analysis of a flash flood across a climatic and geologic gradient: The September 18, 2007 event in Western Slovenia. Journal of Hydrology, 2010, 394, 182-197.	5.4	57
78	Modeling shallow landsliding susceptibility by incorporating heavy rainfall statistical properties. Geomorphology, 2011, 133, 199-211.	2.6	57
79	Adaptation of water resources systems to changing society and environment: a statement by the International Association of Hydrological Sciences. Hydrological Sciences Journal, 2016, 61, 2803-2817.	2.6	57
80	Upper limits of flash flood stream power in Europe. Geomorphology, 2016, 272, 68-77.	2.6	52
81	Impact of rainfall spatial aggregation on the identification of debris flow occurrence thresholds. Hydrology and Earth System Sciences, 2017, 21, 4525-4532.	4.9	51
82	The influence of grid resolution on the prediction of natural and road-related shallow landslides. Hydrology and Earth System Sciences, 2014, 18, 2127-2139.	4.9	50
83	Evaluating Satellite Precipitation Error Propagation in Runoff Simulations of Mountainous Basins. Journal of Hydrometeorology, 2016, 17, 1407-1423.	1.9	50
84	Modelling shallow landslide susceptibility by means of a subsurface flow path connectivity index and estimates of soil depth spatial distribution. Hydrology and Earth System Sciences, 2012, 16, 3959-3971.	4.9	48
85	Assessing small hydro/solar power complementarity in ungauged mountainous areas: A crash test study for hydrological prediction methods. Energy, 2017, 127, 716-729.	8.8	48
86	Basin-scale analysis of the geomorphic effectiveness of flash floods: A study in the northern Apennines (Italy). Science of the Total Environment, 2018, 640-641, 337-351.	8.0	48
87	Comprehensive postâ€event survey of a flash flood in Western Slovenia: observation strategy and lessons learned. Hydrological Processes, 2009, 23, 3761-3770.	2.6	47
88	Extreme flood response to short-duration convective rainfall in South-West Germany. Hydrology and Earth System Sciences, 2012, 16, 1543-1559.	4.9	47
89	An integrated approach for investigating geomorphic response to extreme events: methodological framework and application to the <scp>October</scp> 2011 flood in the Magra River catchment, <scp>Italy</scp>. Earth Surface Processes and Landforms, 2016, 41, 835-846.	2.5	45
90	A field and modeling study of nonlinear storage-discharge dynamics for an Alpine headwater catchment. Water Resources Research, 2014, 50, 806-822.	4.2	44

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91	Radar-driven high-resolution hydro-meteorological forecasts of the 26 September 2007 Venice flash flood. Journal of Hydrology, 2010, 394, 230-244.	5.4	43
92	Depth distribution of soil water sourced by plants at the global scale: A new direct inference approach. Ecohydrology, 2020, 13, e2177.	2.4	43
93	Quantification of subsurface hydrologic connectivity in four headwater catchments using graph theory. Science of the Total Environment, 2019, 646, 1265-1280.	8.0	42
94	Spatio-temporal variability of piezometric response on two steep alpine hillslopes. Hydrological Processes, 2015, 29, 198-211.	2.6	41
95	Error Analysis of Satellite Precipitation-Driven Modeling of Flood Events in Complex Alpine Terrain. Remote Sensing, 2016, 8, 293.	4.0	41
96	Hydrometeorological controls and erosive response of an extreme alpine debris flow. Hydrological Processes, 2009, 23, 2714-2727.	2.6	38
97	Integrating hydropower and intermittent climateâ€related renewable energies: a call for hydrology. Hydrological Processes, 2014, 28, 5465-5468.	2.6	38
98	Modeling Satellite Precipitation Errors Over Mountainous Terrain: The Influence of Gauge Density, Seasonality, and Temporal Resolution. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 4130-4140.	6.3	38
99	Understanding hydrological processes in glacierized catchments: Evidence and implications of highly variable isotopic and electrical conductivity data. Hydrological Processes, 2019, 33, 816-832.	2.6	38
100	Exploring changes in hydrogeological risk awareness and preparedness over time: a case study in northeastern Italy. Hydrological Sciences Journal, 2020, 65, 1049-1059.	2.6	38
101	Spatial estimation of debris flows-triggering rainfall and its dependence on rainfall return period. Geomorphology, 2017, 278, 269-279.	2.6	37
102	Analysing the influence of upslope bedrock outcrops on shallow landsliding. Geomorphology, 2008, 93, 186-200.	2.6	36
103	Hydrometeorological Characterization of a Flash Flood Associated with Major Geomorphic Effects: Assessment of Peak Discharge Uncertainties and Analysis of the Runoff Response. Journal of Hydrometeorology, 2016, 17, 3063-3077.	1.9	36
104	A Simulation Approach for Validation of a Brightband Correction Method. Journal of Applied Meteorology and Climatology, 1997, 36, 1507-1518.	1.7	34
105	Influence of errors in radar rainfall estimates on hydrological modeling prediction uncertainty. Water Resources Research, 2006, 42, .	4.2	34
106	Tracing the Water Sources of Trees and Streams: Isotopic Analysis in a Small Pre-Alpine Catchment. Procedia Environmental Sciences, 2013, 19, 106-112.	1.4	33
107	Reducing hydrological modelling uncertainty by using MODIS snow cover data and a topography-based distribution function snowmelt model. Journal of Hydrology, 2021, 599, 126020.	5.4	33
108	A Unified Framework for Extreme Subdaily Precipitation Frequency Analyses Based on Ordinary Events. Geophysical Research Letters, 2020, 47, e2020GL090209.	4.0	32

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109	A European Flood Database: facilitating comprehensive flood research beyond administrative boundaries. Proceedings of the International Association of Hydrological Sciences, 0, 370, 89-95.	1.0	32
110	Debris flows in the eastern Italian Alps: seasonality and atmospheric circulation patterns. Natural Hazards and Earth System Sciences, 2015, 15, 647-656.	3.6	31
111	Satellite Rainfall Estimates for Debris Flow Prediction: An Evaluation Based on Rainfall Accumulationâ€“Duration Thresholds. Journal of Hydrometeorology, 2017, 18, 2207-2214.	1.9	31
112	Response time and water origin in a steep nested catchment in the Italian Dolomites. Hydrological Processes, 2017, 31, 768-782.	2.6	31
113	Forensic analysis of flash flood response. Wiley Interdisciplinary Reviews: Water, 2019, 6, e1338.	6.5	30
114	Catchment-scale storm velocity: quantification, scale dependence and effect on flood response. Hydrological Sciences Journal, 2014, 59, 1363-1376.	2.6	28
115	Impact of Climate Change on Combined Solar and Run-of-River Power in Northern Italy. Energies, 2018, 11, 290.	3.1	28
116	The Role of Experience and Different Sources of Knowledge in Shaping Flood Risk Awareness. Water (Switzerland), 2020, 12, 2130.	2.7	27
117	Adaptive Use of a Conceptual Model for Real Time Flood Forecasting. Hydrology Research, 1997, 28, 169-188.	2.7	26
118	Assessment of gridded observations used for climate model validation in the Mediterranean region: the HyMeX and MED-CORDEX framework. Environmental Research Letters, 2012, 7, 024017.	5.2	26
119	Large wood and flash floods: evidence from the 2007 event in the DavÄa basin (Slovenia). WIT Transactions on Engineering Sciences, 2008, , .	0.0	26
120	Radar rainfall estimation for the post-event analysis of a Slovenian flash-flood case: application of the Mountain Reference Technique at C-band frequency. Hydrology and Earth System Sciences, 2009, 13, 1349-1360.	4.9	26
121	A physically based model of the effects of forest roads on slope stability. Water Resources Research, 2004, 40, .	4.2	25
122	Evaluating the influence of forest roads on shallow landsliding. Ecological Modelling, 2005, 187, 85-98.	2.5	25
123	Catchmentâ€Scale Permafrost Mapping using Spring Water Characteristics. Permafrost and Periglacial Processes, 2016, 27, 253-270.	3.4	25
124	Differential orographic impact on sub-hourly, hourly, and daily extreme precipitation. Advances in Water Resources, 2022, 159, 104085.	3.8	25
125	Analysis of hysteretic behaviour of a hillslope-storage kinematic wave model for subsurface flow. Advances in Water Resources, 2008, 31, 118-131.	3.8	24
126	Advancing Precipitation Estimation and Streamflow Simulations in Complex Terrain with X-Band Dual-Polarization Radar Observations. Remote Sensing, 2018, 10, 1258.	4.0	23

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127	Storm characteristics dictate sediment dynamics and geomorphic changes in mountain channels: A case study in the Italian Alps. Geomorphology, 2022, 403, 108173.	2.6	23
128	Runoff generation in mountain catchments: long-term hydrological monitoring in the Rio Vauz Catchment, Italy. Cuadernos De Investigacion Geografica, 2018, 44, 397-428.	1.1	22
129	Estimating the water budget components and their variability in a pre-alpine basin with JGrass-NewAGE. Advances in Water Resources, 2017, 104, 37-54.	3.8	21
130	Multi-model convection-resolving simulations of the October 2018 Vaia storm over Northeastern Italy. Atmospheric Research, 2021, 253, 105455.	4.1	21
131	Anticipating flash-floods: Multi-scale aspects of the social response. Journal of Hydrology, 2016, 541, 626-635.	5.4	20
132	TOPMELT 1.0: a topography-based distribution function approach to snowmelt simulation for hydrological modelling at basin scale. Geoscientific Model Development, 2019, 12, 5251-5265.	3.6	20
133	A flood-risk-oriented, dynamic protection motivation framework to explain risk reduction behaviours. Natural Hazards and Earth System Sciences, 2020, 20, 287-298.	3.6	20
134	Statistical characterization of spatial patterns of rainfall cells in extratropical cyclones. Journal of Geophysical Research, 1996, 101, 26277-26286.	3.3	19
135	Adjustment of range-dependent bias in radar rainfall estimates. Physics and Chemistry of the Earth, 2000, 25, 909-914.	0.3	19
136	Rainfall organization control on the flood response of mild-slope basins. Journal of Hydrology, 2014, 510, 565-577.	5.4	19
137	The impact of glacier shrinkage on energy production from hydropower-solar complementarity in alpine river basins. Science of the Total Environment, 2020, 719, 137488.	8.0	19
138	Alternative methods to determine the Î´2H-Î´18O relationship: An application to different water types. Journal of Hydrology, 2020, 587, 124951.	5.4	19
139	Orographic Effect on Extreme Precipitation Statistics Peaks at Hourly Time Scales. Geophysical Research Letters, 2021, 48, e2020GL091498.	4.0	19
140	Rainfall estimation by combining radar and infrared satellite data for nowcasting purposes. Meteorological Applications, 1999, 6, 289-300.	2.1	18
141	Rainfall Space-Time Organization and Orographic Control on Flash Flood Response: The Weisseritz Event of August 13, 2002. Journal of Hydrologic Engineering - ASCE, 2013, 18, 183-193.	1.9	18
142	Evaluation of predictive models for post-fire debris flow occurrence in the western United States. Natural Hazards and Earth System Sciences, 2018, 18, 2331-2343.	3.6	18
143	Comparison of MODIS and Model-Derived Snow-Covered Areas: Impact of Land Use and Solar Illumination Conditions. Geosciences (Switzerland), 2020, 10, 134.	2.2	18
144	Physical vulnerability to dynamic flooding: Vulnerability curves and vulnerability indices. Journal of Hydrology, 2022, 607, 127501.	5.4	18

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145	A comparative study of plant water extraction methods for isotopic analyses: Scholander-type pressure chamber vs. cryogenic vacuum distillation. Hydrology and Earth System Sciences, 2022, 26, 3673-3689.	4.9	17
146	Post-event analysis and flash flood hydrology in Slovakia. Journal of Hydrology and Hydromechanics, 2016, 64, 304-315.	2.0	15
147	Restoring a glacierâ€fed river: Past and present morphodynamics of a degraded channel in the Italian Alps. Earth Surface Processes and Landforms, 2020, 45, 2804-2823.	2.5	15
148	The relative role of hillslope and river network routing in the hydrologic response to spatially variable rainfall fields. Journal of Hydrology, 2015, 531, 349-359.	5.4	14
149	Impact of Geology on Seasonal Hydrological Predictability in Alpine Regions by a Sensitivity Analysis Framework. Water (Switzerland), 2020, 12, 2255.	2.7	13
150	No evidence of isotopic fractionation in olive trees (Olea europaea): a stable isotope tracing experiment. Hydrological Sciences Journal, 2021, 66, 2415-2430.	2.6	11
151	Enhanced Summer Convection Explains Observed Trends in Extreme Subdaily Precipitation in the Eastern Italian Alps. Geophysical Research Letters, 2022, 49, .	4.0	11
152	Relevance and Scale Dependence of Hydrological Changes in Glacierized Catchments: Insights from Historical Data Series in the Eastern Italian Alps. Water (Switzerland), 2019, 11, 89.	2.7	10
153	Sedimentâ€“water flows in mountain catchments: Insights into transport mechanisms as responses to high-magnitude hydrological events. Journal of Hydrology, 2021, 602, 126716.	5.4	10
154	Multi-temporal scale analysis of complementarity between hydro and solar power along an alpine transect. Science of the Total Environment, 2020, 741, 140179.	8.0	9
155	Complementarity between Combined Heat and Power Systems, Solar PV and Hydropower at a District Level: Sensitivity to Climate Characteristics along an Alpine Transect. Energies, 2020, 13, 4156.	3.1	9
156	Toward a Spaceâ€“Time Framework for Integrated Water and Society Studies. Bulletin of the American Meteorological Society, 2012, 93, ES89-ES91.	3.3	8
157	Exploration of gate trench module for vertical GaN devices. Microelectronics Reliability, 2020, 114, 113828.	1.7	6
158	Ressi experimental catchment: Ecohydrological research in the Italian <scp>preâ€Alps</scp>. Hydrological Processes, 2021, 35, e14095.	2.6	6
159	Heterogeneity in flood risk awareness: A longitudinal, latent class model approach. Journal of Hydrology, 2021, 599, 126255.	5.4	6
160	Occurrence and Characteristics of Flash Floods in Bavaria (Germany). Climate Change Management, 2020, , 293-310.	0.8	5
161	Satellite Rainfall Error Analysis with the Use of High-Resolution X-Band Dual-Polarization Radar Observations Over the Italian Alps. Springer Atmospheric Sciences, 2017, , 279-286.	0.3	5
162	Characteristics of Flash Flood Regimes in the Mediterranean Region. Advances in Natural and Technological Hazards Research, 2014, , 65-76.	1.1	5

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163	Scale-dependence of observational and modelling uncertainties in forensic flash flood analysis. Journal of Hydrology, 2022, 607, 127502.	5.4	5
164	7.9 Analysis of Flash-Flood Runoff Response, with Examples from Major European Events. , 2013, , 95-104.		4
165	Natural Hazards Assessment in Mountainous Terrains of Europe. , 2013, , 229-239.		4
166	Longitudinal survey data for diversifying temporal dynamics in flood risk modelling. Natural Hazards and Earth System Sciences, 2021, 21, 2811-2828.	3.6	4
167	Development and application of a real-time flood forecasting system in the Veneto region of Italy. Water Resources Management, 1991, 5, 209-216.	3.9	3
168	Forecasting, Early Warning and Event Management: Non-structural Protection Measures for Flash Floods and Debris Flows. Advances in Global Change Research, 2013, , 391-398.	1.6	3
169	Objective Analysis of Envelope Curves for Peak Floods of European and Mediterranean Flash Floods. Climate Change Management, 2020, , 267-276.	0.8	3
170	Improving The Efficiency Of The Hec1f Model In Flood-Flow Forecasting. International Journal of Modelling and Simulation, 1995, 15, 30-37.	3.3	2
171	Reply to â€œComments on â€˜Error Analysis of Satellite Precipitation Products in Mountainous Basinsâ€™â€•. Journal of Hydrometeorology, 2015, 16, 1445-1446.	1.9	2
172	Hazard assessment and forecasting of landslides and debris flows: A case study in Northern Italy. , 2019, , 343-367.		2
173	Etat des connaissances rÃ©centes acquises sur les crues Ã©clair en Europe : bilan du projet de recherches europÃ©en HYDRATE (2006-2010). Houille Blanche, 2013, 99, 24-30.	0.3	2
174	Towards Improved Understanding of Land Use Effect on Soil Moisture Variability: Analysis and Modeling at the Plot Scale. Procedia Environmental Sciences, 2013, 19, 456-464.	1.4	1
175	Exposure to Flash Floods: The Conflict Between Human Mobility and Water Mobility. , 2018, , 211-240.		1
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