

Giuseppe Tito Aronica

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

3,579
citations

411340

20
h-index

445137

33
g-index

45
all docs

45
docs citations

45
times ranked

4395
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantifying the UDS Hydraulic and Social Resilience to Flooding: An Index-Based Approach vs. a Parameter-Based MCDM Method. <i>Water (Switzerland)</i> , 2022, 14, 2007.	1.2	1
2	A Cost Efficiency Analysis of Flood Proofing Measures for Hydraulic Risk Mitigation in an Urbanized Riverine Area. <i>Water (Switzerland)</i> , 2020, 12, 2395.	1.2	7
3	Regional sub-hourly extreme rainfall estimates in Sicily under a scale invariance framework. <i>Water Resources Management</i> , 2020, 34, 4363-4380.	1.9	19
4	The Role of DEM Resolution and Evapotranspiration Assessment in Modeling Groundwater Resources Estimation: A Case Study in Sicily. <i>Water (Switzerland)</i> , 2020, 12, 2980.	1.2	11
5	Changing climate both increases and decreases European river floods. <i>Nature</i> , 2019, 573, 108-111.	13.7	639
6	Generation of Sub-Hourly Rainfall Events through a Point Stochastic Rainfall Model. <i>Geosciences (Switzerland)</i> , 2019, 9, 226.	1.0	8
7	Validation of flood risk models: Current practice and possible improvements. <i>International Journal of Disaster Risk Reduction</i> , 2019, 33, 441-448.	1.8	78
8	Evaluating the Influence of DEM Resolution and Potential Evapotranspiration Assessment on Groundwater Resources Estimation with a Reverse Hydrogeological Balance Method. <i>Proceedings (mdpi)</i> , 2019, 48, .	0.2	0
9	Changing climate shifts timing of European floods. <i>Science</i> , 2017, 357, 588-590.	6.0	584
10	Adaptation to flood risk: Results of international paired flood event studies. <i>Earth's Future</i> , 2017, 5, 953-965.	2.4	156
11	Probabilistic Flood Hazard Mapping Using Bivariate Analysis Based on Copulas. <i>ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering</i> , 2017, 3, .	1.1	18
12	Analytic Back Calculation of Debris Flow Damage Incurred to a Masonry Building: The Case of Scaletta Zanclea 2009 Event. <i>E3S Web of Conferences</i> , 2016, 7, 04007.	0.2	3
13	Rainfall thresholds derivation for warning pluvial flooding risk in urbanised areas. <i>E3S Web of Conferences</i> , 2016, 7, 18016.	0.2	6
14	Estimating Temporal Changes in Extreme Rainfall in Sicily Region (Italy). <i>Water Resources Management</i> , 2016, 30, 5651-5670.	1.9	16
15	Estimation of synthetic flood design hydrographs using a distributed rainfall-runoff model coupled with a copula-based single storm rainfall generator. <i>Natural Hazards and Earth System Sciences</i> , 2014, 14, 1819-1833.	1.5	40
16	Ex post damage assessment: an Italian experience. <i>Natural Hazards and Earth System Sciences</i> , 2014, 14, 901-916.	1.5	72
17	The influence of grid resolution on the prediction of natural and road-related shallow landslides. <i>Hydrology and Earth System Sciences</i> , 2014, 18, 2127-2139.	1.9	50
18	HP - Special Issue on Flood Risk and Uncertainty. <i>Hydrological Processes</i> , 2013, 27, 1291-1291.	1.1	4

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19	Estimation of flood inundation probabilities using global hazard indexes based on hydrodynamic variables. <i>Physics and Chemistry of the Earth</i> , 2012, 42-44, 119-129.	1.2	44
20	Assessment and mapping of debris-flow risk in a small catchment in eastern Sicily through integrated numerical simulations and GIS. <i>Physics and Chemistry of the Earth</i> , 2012, 49, 52-63.	1.2	18
21	Flash floods and debris flow in the city area of Messina, north-east part of Sicily, Italy in October 2009: the case of the Giampileri catchment. <i>Natural Hazards and Earth System Sciences</i> , 2012, 12, 1295-1309.	1.5	62
22	Probabilistic evaluation of flood hazard in urban areas using Monte Carlo simulation. <i>Hydrological Processes</i> , 2012, 26, 3962-3972.	1.1	51
23	Towards automatic calibration of 2-D flood propagation models. <i>Hydrology and Earth System Sciences</i> , 2010, 14, 911-924.	1.9	28
24	Impact assessment of combined climate and management scenarios on groundwater resources and associated wetland (Majorca, Spain). <i>Journal of Hydrology</i> , 2009, 376, 510-527.	2.3	100
25	Flood risk analyses—how detailed do we need to be?. <i>Natural Hazards</i> , 2009, 49, 79-98.	1.6	450
26	Derivation of flood frequency curves in poorly gauged Mediterranean catchments using a simple stochastic hydrological rainfall-runoff model. <i>Journal of Hydrology</i> , 2007, 347, 132-142.	2.3	66
27	Influence of surface roughness in hydrological response of semiarid catchments. <i>Journal of Hydrology</i> , 2005, 313, 119-131.	2.3	53
28	Estimation of sub-hourly DDF curves using scaling properties of hourly and sub-hourly data at partially gauged site. <i>Atmospheric Research</i> , 2005, 77, 114-123.	1.8	20
29	Bayesian updating of flood inundation likelihoods conditioned on flood extent data. <i>Hydrological Processes</i> , 2004, 18, 3347-3370.	1.1	144
30	Assessing the uncertainty in distributed model predictions using observed binary pattern information within GLUE. <i>Hydrological Processes</i> , 2002, 16, 2001-2016.	1.1	328
31	Studying the hydrological response of urban catchments using a semi-distributed linear non-linear model. <i>Journal of Hydrology</i> , 2000, 238, 35-43.	2.3	51
32	Uncertainty and equifinality in calibrating distributed roughness coefficients in a flood propagation model with limited data. <i>Advances in Water Resources</i> , 1998, 22, 349-365.	1.7	236
33	2D Multilevel Model for Flood Wave Propagation in Flood-Affected Areas. <i>Journal of Water Resources Planning and Management - ASCE</i> , 1998, 124, 210-217.	1.3	61
34	Combining regional rainfall frequency analysis and rainfall-runoff modelling to derive frequency distributions of peak flows in ungauged basins: a proposal for Sicily region (Italy). <i>Advances in Geosciences</i> , 0, 44, 15-22.	12.0	9
35	Probabilistic flood inundation mapping at ungauged streams due to roughness coefficient uncertainty in hydraulic modelling. <i>Advances in Geosciences</i> , 0, 44, 23-34.	12.0	58
36	Flood and landslide warning based on rainfall thresholds and soil moisture indexes: the HEWS (Hydrohazards Early Warning System) for Sicily. <i>Advances in Geosciences</i> , 0, 44, 79-88.	12.0	8

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37	Human-flood interactions in Rome over the past 150 years. <i>Advances in Geosciences</i> , 0, 44, 9-13.	12.0	22
38	Review Article: Validation of flood risk models: current practice and innovations. , 0, , .		6
39	A European Flood Database: facilitating comprehensive flood research beyond administrative boundaries. <i>Proceedings of the International Association of Hydrological Sciences</i> , 0, 370, 89-95.	1.0	32