

Caterina Samela

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

690
citations

686830

13
h-index

940134

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all docs

20
docs citations

20
times ranked

691
citing authors

#	ARTICLE	IF	CITATIONS
1	Flood-prone areas assessment using linear binary classifiers based on flood maps obtained from 1D and 2D hydraulic models. <i>Natural Hazards</i> , 2015, 79, 735-754.	1.6	116
2	Investigation on the use of geomorphic approaches for the delineation of flood prone areas. <i>Journal of Hydrology</i> , 2014, 517, 863-876.	2.3	110
3	Geomorphic classifiers for flood-prone areas delineation for data-scarce environments. <i>Advances in Water Resources</i> , 2017, 102, 13-28.	1.7	98
4	A GIS tool for cost-effective delineation of flood-prone areas. <i>Computers, Environment and Urban Systems</i> , 2018, 70, 43-52.	3.3	70
5	DEM-Based Approaches for the Delineation of Flood-Prone Areas in an Ungauged Basin in Africa. <i>Journal of Hydrologic Engineering - ASCE</i> , 2016, 21, .	0.8	53
6	A digital elevation model based method for a rapid estimation of flood inundation depth. <i>Journal of Flood Risk Management</i> , 2019, 12, .	1.6	51
7	Exploring the optimal experimental setup for surface flow velocity measurements using PTV. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 460.	1.3	36
8	A web application for hydrogeomorphic flood hazard mapping. <i>Environmental Modelling and Software</i> , 2019, 118, 172-186.	1.9	29
9	Safer_RAIN: A DEM-Based Hierarchical Filling-&Spilling Algorithm for Pluvial Flood Hazard Assessment and Mapping across Large Urban Areas. <i>Water (Switzerland)</i> , 2020, 12, 1514.	1.2	22
10	BRISSENT: An Entropy-Based Model for Bridge-Pier Scour Estimation under Complex Hydraulic Scenarios. <i>Water (Switzerland)</i> , 2017, 9, 889.	1.2	21
11	Large Scale Flood Risk Mapping in Data Scarce Environments: An Application for Romania. <i>Water (Switzerland)</i> , 2020, 12, 1834.	1.2	18
12	Exploiting the use of physical information for the calibration of a lumped hydrological model. <i>Hydrological Processes</i> , 2018, 32, 1420-1433.	1.1	16
13	Predictive Modeling of Envelope Flood Extents Using Geomorphic and Climaticâ€Hydrologic Catchment Characteristics. <i>Water Resources Research</i> , 2020, 56, e2019WR026453.	1.7	16
14	Dataset of 100-year flood susceptibility maps for the continental U.S. derived with a geomorphic method. <i>Data in Brief</i> , 2017, 12, 203-207.	0.5	11
15	Multi-Decadal Assessment of Soil Loss in a Mediterranean Region Characterized by Contrasting Local Climates. <i>Land</i> , 2022, 11, 1010.	1.2	11
16	Flood-Prone Areas Assessment Using Linear Binary Classifiers based on Morphological Indices. , 2014, , .		10
17	Advances in Large-Scale Flood Monitoring and Detection. <i>Hydrology</i> , 2018, 5, 49.	1.3	2
18	The Use of DEM-Based Approaches to Derive a Priori Information on Flood-Prone Areas. <i>Springer Remote Sensing/photogrammetry</i> , 2018, , 61-79.	0.4	0