

Vicente Medina

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,636
citations

430442

18
h-index

476904

29
g-index

31
all docs

31
docs citations

31
times ranked

1813
citing authors

#	ARTICLE	IF	CITATIONS
1	A compilation of data on European flash floods. <i>Journal of Hydrology</i> , 2009, 367, 70-78.	2.3	623
2	Application of FLATModel, a 2D finite volume code, to debris flows in the northeastern part of the Iberian Peninsula. <i>Landslides</i> , 2008, 5, 127-142.	2.7	201
3	Evaluation of approaches to calculate debris-flow parameters for hazard assessment. <i>Engineering Geology</i> , 2008, 102, 152-163.	2.9	128
4	Fast physically-based model for rainfall-induced landslide susceptibility assessment at regional scale. <i>Catena</i> , 2021, 201, 105213.	2.2	92
5	Derivation of critical rainfall thresholds for shallow landslides as a tool for debris flow early warning systems. <i>Hydrology and Earth System Sciences</i> , 2013, 17, 4095-4107.	1.9	82
6	An Open Channel Flow Experimental and Theoretical Study of Resistance and Turbulent Characterization over Flexible Vegetated Linings. <i>Flow, Turbulence and Combustion</i> , 2003, 70, 69-88.	1.4	60
7	Impacts of future climate and land cover changes on landslide susceptibility: regional scale modelling in the Val d'Aran region (Pyrenees, Spain). <i>Landslides</i> , 2022, 19, 99-118.	2.7	47
8	Assessment methodology for the prediction of landslide dam hazard. <i>Natural Hazards and Earth System Sciences</i> , 2014, 14, 557-567.	1.5	45
9	FSLAM: A QGIS plugin for fast regional susceptibility assessment of rainfall-induced landslides. <i>Environmental Modelling and Software</i> , 2022, 150, 105354.	1.9	39
10	Tsunamis generated by fast granular landslides: 3D experiments and empirical predictors. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2017, 55, 743-758.	0.7	36
11	A new integrated, hydro-mechanical model applied to flexible vegetation in riverbeds. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2008, 46, 579-597.	0.7	34
12	Debris-flow susceptibility assessment at regional scale: Validation on an alpine environment. <i>Landslides</i> , 2015, 12, 437-454.	2.7	32
13	Water flow and sediment transport in a 90° channel diversion: an experimental study. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2015, 53, 253-263.	0.7	30
14	Modelling of integrated effect of volumetric heating and magnetic field on tritium transport in a U-bend flow as applied to HCLL blanket concept. <i>Fusion Engineering and Design</i> , 2011, 86, 341-356.	1.0	28
15	Debris-flow susceptibility analysis using fluvio-morphological parameters and data mining: application to the Central-Eastern Pyrenees. <i>Natural Hazards</i> , 2013, 67, 213-238.	1.6	28
16	A 2D finite volume model for debris flow and its application to events occurred in the Eastern Pyrenees. <i>International Journal of Sediment Research</i> , 2008, 23, 348-360.	1.8	26
17	Simulation of flash floods in ungauged basins using post-event surveys and numerical modelling. <i>Journal of Flood Risk Management</i> , 2015, 8, 343-355.	1.6	20
18	Application of the 2D Depth-Averaged Model, FLATModel, to Pumiceous Debris Flows in the Amalfi Coast. <i>Water (Switzerland)</i> , 2018, 10, 1159.	1.2	19

#	ARTICLE	IF	CITATIONS
19	The Economic Impact of Climate Change on Urban Drainage Master Planning in Barcelona. Sustainability, 2021, 13, 71.	1.6	12
20	Flood risk modelling with LiDAR technology. WIT Transactions on Ecology and the Environment, 2008, , ,	0.0	10
21	Qualification of MHD effects in dual-coolant DEMO blanket and approaches to their modelling. Fusion Engineering and Design, 2011, 86, 2326-2329.	1.0	9
22	Influence of thermal performance on design parameters of a He/LiPb dual coolant DEMO concept blanket design. Fusion Engineering and Design, 2012, 87, 969-973.	1.0	8
23	The energy transfer from granular landslides to water bodies explained by a data-driven, physics-based numerical model. Landslides, 2021, 18, 1337-1348.	2.7	7
24	Sediment resuspension due to density currents caused by a temperature difference: application to the Flix reservoir (Spain). Journal of Hydraulic Research/De Recherches Hydrauliques, 2013, 51, 76-91.	0.7	6
25	Morpho-fluvial analysis of headwater catchments: an example from the Central-Eastern Pyrenees. Environmental Earth Sciences, 2015, 73, 6495-6509.	1.3	3
26	Versatile image-based measurements of granular flows and water wave propagation in experiments of tsunamis generated by landslides. Journal of Visualization, 2020, 23, 299-311.	1.1	3
27	Analysis of river bed dynamic evolution following a landslide dam. Houille Blanche, 2015, 101, 88-95.	0.3	3
28	A Framework to Project Future Rainfall Scenarios: An Application to Shallow Landslide-Triggering Summer Rainfall in Wanzhou County China. Water (Switzerland), 2022, 14, 873.	1.2	2
29	Closure to Tsunamis generated by fast granular landslides: 3D experiments and empirical predictors by FRANCESCO BREGOLI, ALLEN BATEMAN and VICENTE MEDINA, J. Hydraulic Res. 16. doi:10.1080/00221686.2017.1289259. Journal of Hydraulic Research/De Recherches Hydrauliques, 2018, 56, 583-584.	0.7	1