Vicente Medina

List of Publications by Year
in descending order

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	Impacts of future climate and land cover changes on landslide susceptibility: regional scale modelling in the Val d'Aran region (Pyrenees, Spain). Landslides, 2022, 19, 99-118.	2.7	47
2	FSLAM: A QGIS plugin for fast regional susceptibility assessment of rainfall-induced landslides. Environmental Modelling and Software, 2022, 150, 105354.	1.9	39
3	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
4	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
5	Fast physically-based model for rainfall-induced landslide susceptibility assessment at regional scale. Catena, 2021, 201, 105213.	2.2	92
6	The Economic Impact of Climate Change on Urban Drainage Master Planning in Barcelona. Sustainability, 2021, 13, 71.	1.6	12
7	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
8	Application of the 2D Depth-Averaged Model, FLATModel, to Pumiceous Debris Flows in the Amalfi Coast. Water (Switzerland), 2018, 10, 1159.	1.2	19
9	Closure to "Tsunamis generated by fast granular landslides: 3D experiments and empirical predictors"by FRANCESCO BREGOLI, ALLEN BATEMAN and VICENTE MEDINA, <i>J. Hydraulic Res</i>. 1–16. doi:10.1080/00221686.2017. 1289259. Journal of Hydraulic Research/De Recherches Hydrauliques, 2018, 56, 583-584.	0.7	1
10	Tsunamis generated by fast granular landslides: 3D experiments and empirical predictors. Journal of Hydraulic Research/De Recherches Hydrauliques, 2017, 55, 743-758.	0.7	36
11	Water flow and sediment transport in a 90° channel diversion: an experimental study. Journal of Hydraulic Research/De Recherches Hydrauliques, 2015, 53, 253-263.	0.7	30
12	Morpho-fluvial analysis of headwater catchments: an example from the Central-Eastern Pyrenees. Environmental Earth Sciences, 2015, 73, 6495-6509.	1.3	3
13	Debris-flow susceptibility assessment at regional scale: Validation on an alpine environment. Landslides, 2015, 12, 437-454.	2.7	32
14	Simulation of flash floods in ungauged basins using post-event surveys and numerical modelling. Journal of Flood Risk Management, 2015, 8, 343-355.	1.6	20
15	Analysis of river bed dynamic evolution following a landslide dam. Houille Blanche, 2015, 101, 88-95.	0.3	3
16	Assessment methodology for the prediction of landslide dam hazard. Natural Hazards and Earth System Sciences, 2014, 14, 557-567.	1.5	45
17	Debris-flow susceptibility analysis using fluvio-morphological parameters and data mining: application to the Central-Eastern Pyrenees. Natural Hazards, 2013, 67, 213-238.	1.6	28
18	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

#	Article	IF	Citations
19	Derivation of critical rainfall thresholds for shallow landslides as a tool for debris flow early warning systems. Hydrology and Earth System Sciences, 2013, 17, 4095-4107.	1.9	82
20	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
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	Modelling of integrated effect of volumetric heating and magnetic field on tritium transport in a U-bend flow as applied to HCLL blanket concept. Fusion Engineering and Design, 2011, 86, 341-356.	1.0	28
23	A compilation of data on European flash floods. Journal of Hydrology, 2009, 367, 70-78.	2.3	623
24	Application of FLATModel, a 2D finite volume code, to debris flows in the northeastern part of the Iberian Peninsula. Landslides, 2008, 5, 127-142.	2.7	201
25	Evaluation of approaches to calculate debris-flow parameters for hazard assessment. Engineering Geology, 2008, 102, 152-163.	2.9	128
26	A 2D finite volume model for bebris flow and its application to events occurred in the Eastern Pyrenees. International Journal of Sediment Research, 2008, 23, 348-360.	1.8	26
27	A new integrated, hydro-mechanical model applied to flexible vegetation in riverbeds. Journal of Hydraulic Research/De Recherches Hydrauliques, 2008, 46, 579-597.	0.7	34
28	Flood risk modelling with LiDAR technology. WIT Transactions on Ecology and the Environment, 2008, , .	0.0	10
29	An Open Channel Flow Experimental and Theoretical Study of Resistance and Turbulent Characterization over Flexible Vegetated Linings. Flow, Turbulence and Combustion, 2003, 70, 69-88.	1.4	60