Jose MarÃ-a Bodoque

List of Publications by Year
in descending order

57	2,169	218381	233125
papers	citations	26 h-index	45 g-index

58	58	58	1778
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Holistic characterization of flash flood vulnerability: Construction and validation of an integrated multidimensional vulnerability index. Journal of Hydrology, 2022, 612, 128083.	2.3	10
2	Long-term lahar reconstruction in Jamapa Gorge, Pico de Orizaba (Mexico) based on botanical evidence and numerical modelling. Landslides, 2021, 18, 3381-3392.	2.7	3
3	Stakeholder analysis: Mapping the river networks for integrated flood risk management. Environmental Science and Policy, 2021, 124, 506-516.	2.4	15
4	Analysing flash flood risk perception through a geostatistical approach in the village of Navaluenga, Central Spain. Journal of Flood Risk Management, 2020, 13, e12590.	1.6	12
5	How to construct and validate an Integrated Socio-Economic Vulnerability Index: Implementation at regional scale in urban areas prone to flash flooding. Science of the Total Environment, 2020, 746, 140905.	3.9	32
6	Recent flood hazards in Kashmir put into context with millennium-long historical and tree-ring records. Science of the Total Environment, 2020, 722, 137875.	3.9	29
7	Hydrological Alteration Index as an Indicator of the Calibration Complexity of Water Quantity and Quality Modeling in the Context of Global Change. Water (Switzerland), 2020, 12, 115.	1.2	13
8	An application-oriented protocol for flood frequency analysis based on botanical evidence. Journal of Hydrology, 2020, 590, 125242.	2.3	10
9	Laboratory and Field Protocol for Estimating Sheet Erosion Rates from Dendrogeomorphology. Journal of Visualized Experiments, 2019, , .	0.2	1
10	Civil engineering works versus self-protection measures for the mitigation of floods economic risk. A case study from a new classification criterion for cost-benefit analysis. International Journal of Disaster Risk Reduction, 2019, 37, 101157.	1.8	11
11	Enhancing flash flood risk perception and awareness of mitigation actions through risk communication: A pre-post survey design. Journal of Hydrology, 2019, 568, 769-779.	2.3	52
12	Flood Hazard Management in Public Mountain Recreation Areas vs. Ungauged Fluvial Basins. Case Study of the Caldera de Taburiente National Park, Canary Islands (Spain). Geosciences (Switzerland), 2018, 8, 6.	1.0	6
13	Improving Flood Maps in Ungauged Fluvial Basins with Dendrogeomorphological Data. An Example from the Caldera de Taburiente National Park (Canary Islands, Spain). Geosciences (Switzerland), 2018, 8, 300.	1.0	13
14	A quantitative methodology for the assessment of the regional economic vulnerability to flash floods. Journal of Hydrology, 2018, 565, 386-399.	2.3	42
15	Recovering hydromorphological functionality to improve natural purification capacity of a highly human-modified wetland. Ecological Engineering, 2017, 103, 332-343.	1.6	7
16	Automated convective and stratiform precipitation estimation in a small mountainous catchment using X-band radar data in Central Spain. Journal of Hydroinformatics, 2017, 19, 315-330.	1.1	1
17	On the Optimal Measuring Area for Pointwise Rainfall Estimation: A Dedicated Experiment with 14 Laser Disdrometers. Journal of Hydrometeorology, 2017, 18, 753-760.	0.7	24
18	Quantifying Soil Erosion from Hiking Trail in a Protected Natural Area in the Spanish Pyrenees. Land Degradation and Development, 2017, 28, 2255-2267.	1.8	28

#	Article	IF	Citations
19	Gully evolution and geomorphic adjustments of badlands to reforestation. Scientific Reports, 2017, 7, 45027.	1.6	34
20	A simple multi-criteria approach to delimitate nitrate attenuation zones in alluvial floodplains. Four cases in south-western Europe. Ecological Engineering, 2017, 103, 315-331.	1.6	17
21	Floodplain capacity to depollute water in relation to the structure of biological communities. Ecological Engineering, 2017, 103, 301-314.	1.6	7
22	Construction of an integrated social vulnerability index in urban areas prone to flash flooding. Natural Hazards and Earth System Sciences, 2017, 17, 1541-1557.	1.5	56
23	Flood Damage Analysis: First Floor Elevation Uncertainty Resulting from LiDAR-Derived Digital Surface Models. Remote Sensing, 2016, 8, 604.	1.8	26
24	Assessment of the soil water content in the Pampas region using SWAT. Catena, 2016, 137, 298-309.	2.2	45
25	Improvement of resilience of urban areas by integrating social perception in flash-flood risk management. Journal of Hydrology, 2016, 541, 665-676.	2.3	116
26	Source of error and uncertainty in sheet erosion rates estimated from dendrogeomorphology. Earth Surface Processes and Landforms, 2015, 40, 1146-1157.	1.2	23
27	Challenges in paleoflood hydrology applied to risk analysis in mountainous watersheds â€“ A review. Journal of Hydrology, 2015, 529, 449-467.	2.3	61
28	Combining terrestrial laser scanning andÂroot exposure to estimate erosion rates. Plant and Soil, 2015, 394, 127-137.	1.8	20
29	Can tree tilting be used for paleoflood discharge estimations?. Journal of Hydrology, 2015, 529, 480-489.	2.3	28
30	Avances en el anÃ¡lisis del material leÃ±oso en rÃos: incorporaciÃ³n, transporte e influencia en el riesgo por inundaciones. Cuaternario Y Geomorfologia, 2015, 29, 7-33.	0.2	1
31	Utilisation des isotopes stables de lâ€™oxygÃ¨ne des cernes dâ€™arbres pour dÃ©terminer lâ€™origine des inondations passÃ©esÂ: premiers rÃ©sultats pour la pÃ©ninsule ibÃ©rique. Quaternaire, 2015, , 67-80.	0.1	15
32	Two-dimensional numerical modeling of wood transport. Journal of Hydroinformatics, 2014, 16, 1077-1096.	1.1	105
33	Twoâ€dimensional modelling of large wood transport during flash floods. Earth Surface Processes and Landforms, 2014, 39, 438-449.	1.2	84
34	POTENTIAL LARGE WOODY DEBRIS RECRUITMENT DUE TO LANDSLIDES, BANK EROSION AND FLOODS IN MOUNTAIN BASINS: A QUANTITATIVE ESTIMATION APPROACH. River Research and Applications, 2014, 30, 81-97.	0.7	59
35	Large wood transport as significant influence on flood risk in a mountain village. Natural Hazards, 2014, 74, 967-987.	1.6	71
36	Large wood in rivers and its influence on flood hazard. Cuadernos De Investigacion Geografica, 2014, 40, 229-246.	0.6	9

#	Article	IF	Citations
37	Reconstruction of a flash flood with large wood transport and its influence on hazard patterns in an ungauged mountain basin. Hydrological Processes, 2013, 27, 3424-3437.	1.1	68
38	Characterisation of flash floods in small ungauged mountain basins of Central Spain using an integrated approach. Catena, 2013, 110, 32-43.	2.2	55
39	Dendrogeomorphology in badlands: Methods, case studies and prospects. Catena, 2013, 106, 113-122.	2.2	47
40	Dating and quantification of erosion processes based on exposed roots. Earth-Science Reviews, 2013, 123, 18-34.	4.0	77
41	A review of dendrogeomorphological research applied to flood risk analysis in Spain. Geomorphology, 2013, 196, 211-220.	1.1	24
42	An Integrated Approach to Flood Risk Management: A Case Study of Navaluenga (Central Spain). Water Resources Management, 2013, 27, 3051-3069.	1.9	59
43	A new methodological protocol for the use of dendrogeomorphological data in flood risk analysis. Hydrology Research, 2013, 44, 234-247.	1.1	13
44	Searching for useful non-systematic tree-ring data sources for flood hazard analysis using GIS tools. Catena, 2012, 92, 130-138.	2.2	5
45	Can the discharge of a hyperconcentrated flow be estimated from paleoflood evidence?. Water Resources Research, 2011, 47, .	1.7	19
46	Triggering threshold precipitation and soil hydrological characteristics of shallow landslides in granitic landscapes. Geomorphology, 2011, 133, 178-189.	1.1	17
47	Measuring medium-term sheet erosion in gullies from trees: A case study using dendrogeomorphological analysis of exposed pine roots in central Iberia. Geomorphology, 2011, 134, 417-425.	1.1	46
48	Calibration of floodplain roughness and estimation of flood discharge based on tree-ring evidence and hydraulic modelling. Journal of Hydrology, 2011, 403, 103-115.	2.3	93
49	Estimating flash flood discharge in an ungauged mountain catchment with 2D hydraulic models and dendrogeomorphic palaeostage indicators. Hydrological Processes, 2011, 25, 970-979.	1.1	91
50	Restoring earth surface processes through landform design. A 13â€year monitoring of a geomorphic reclamation model for quarries on slopes. Earth Surface Processes and Landforms, 2010, 35, 531-548.	1.2	25
51	Flash-flood impacts cause changes in wood anatomy of Alnus glutinosa, Fraxinus angustifolia and Quercus pyrenaica. Tree Physiology, 2010, 30, 773-781.	1.4	89
52	Dendrogeomorphic analysis of flash floods in a small ungauged mountain catchment (Central Spain). Geomorphology, 2010, 118, 383-392.	1.1	106
53	Changes in Wood Anatomy in Tree Rings of Pinus pinaster Ait. Following Wounding by Flash Floods. Tree-Ring Research, 2010, 66, 93-103.	0.4	87
54	Response of <i>Pinus sylvestris</i> roots to sheet-erosion exposure: an anatomical approach. Natural Hazards and Earth System Sciences, 2008, 8, 223-231.	1.5	42

#	Article	IF	Citations
55	Sheet erosion rates determined by using dendrogeomorphological analysis of exposed tree roots: Two examples from Central Spain. Catena, 2005, 64, 81-102.	2.2	86
56	Hazard Zoning for Landslides Connected to Torrential Floods in the Jerte Valley (Spain) by using GIS Techniques. Natural Hazards, 2003, 30, 361-381.	1.6	21
57	Landform Classification for Land Use Planning in Developed Areas: An Example in Segovia Province (Central Spain). Environmental Management, 2003, 32, 488-498.	1.2	13