

David RegÃ¼s MuÃ±oz

List of Publications by Year in descending order

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35
papers

1,995
citations

236612

25
h-index

344852

36
g-index

37
all docs

37
docs citations

37
times ranked

1761
citing authors

#	ARTICLE	IF	CITATIONS
1	Flood generation and sediment transport in experimental catchments affected by land use changes in the central Pyrenees. <i>Journal of Hydrology</i> , 2008, 356, 245-260.	2.3	172
2	European small portable rainfall simulators: A comparison of rainfall characteristics. <i>Catena</i> , 2013, 110, 100-112.	2.2	170
3	Soil erosion and hydrology of the western Mediterranean badlands throughout rainfall simulation experiments: A review. <i>Catena</i> , 2013, 106, 101-112.	2.2	121
4	Relationships among rainfall, runoff, and suspended sediment in a small catchment with badlands. <i>Catena</i> , 2008, 74, 127-136.	2.2	101
5	Structure and porosity of smectitic mudrocks as affected by experimental wetting-drying cycles and freezing-thawing cycles. <i>Catena</i> , 1996, 27, 149-165.	2.2	96
6	Seasonal patterns of suspended sediment transport in an abandoned farmland catchment in the Central Spanish Pyrenees. <i>Earth Surface Processes and Landforms</i> , 2009, 34, 1291-1301.	1.2	85
7	Regolith behaviour and physical weathering of clayey mudrock as dependent on seasonal weather conditions in a badland area at Vallcebre, Eastern Pyrenees. <i>Catena</i> , 1995, 25, 199-212.	2.2	81
8	Runoff generation in an intensively disturbed, abandoned farmland catchment, Central Spanish Pyrenees. <i>Catena</i> , 2005, 59, 79-92.	2.2	79
9	Within-storm soil surface dynamics and erosive effects of rainstorms. <i>Catena</i> , 1999, 38, 131-150.	2.2	77
10	Seasonal patterns of runoff and erosion responses to simulated rainfall in a badland area in Mediterranean mountain conditions (Vallcebre, southeastern Pyrenees). <i>Earth Surface Processes and Landforms</i> , 2004, 29, 755-767.	1.2	76
11	Temporal distribution of suspended sediment transport in a humid Mediterranean badland area: The Araguás catchment, Central Pyrenees. <i>Geomorphology</i> , 2008, 97, 601-616.	1.1	73
12	From plot to regional scales: Interactions of slope and catchment hydrological and geomorphic processes in the Spanish Pyrenees. <i>Geomorphology</i> , 2010, 120, 248-257.	1.1	71
13	Badland dynamics in the Central Pyrenees: temporal and spatial patterns of weathering processes. <i>Earth Surface Processes and Landforms</i> , 2007, 32, 888-904.	1.2	63
14	Streamflow response and water-table dynamics in a sub-Mediterranean research catchment (Central Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.3	61
15	Geomorphic agents versus vegetation spreading as causes of badland occurrence in a Mediterranean subhumid mountainous area. <i>Catena</i> , 2000, 40, 173-187.	2.2	58
16	Fluvial geomorphology and hydrology in the dispersal and fate of pyrite mud particles released by the Aznalcóllar mine tailings spill. <i>Science of the Total Environment</i> , 1999, 242, 13-26.	3.9	54
17	Temporal variability in the relationships between precipitation, discharge and suspended sediment concentration in a small Mediterranean mountain catchment. <i>Hydrology Research</i> , 2007, 38, 139-150.	1.1	48
18	Forests and Their Hydrological Effects in Mediterranean Mountains. <i>Mountain Research and Development</i> , 2008, 28, 279-285.	0.4	45

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19	Differences in stream flow in relation to changes in land cover: A comparative study in two sub-Mediterranean mountain catchments. <i>Journal of Hydrology</i> , 2011, 411, 366-378.	2.3	43
20	Towards prediction of suspended sediment yield from peak discharge in small erodible mountainous catchments (0.45–22km ²) of France, Mexico and Spain. <i>Journal of Hydrology</i> , 2012, 454-455, 42-55.	2.3	42
21	Hydrological response of an afforested catchment in a Mediterranean humid mountain area: a comparative study with a natural forest. <i>Hydrological Processes</i> , 2016, 30, 2717-2733.	1.1	37
22	Temporal variability in hydrological response within a small catchment with badland areas, central Pyrenees. <i>Hydrological Sciences Journal</i> , 2008, 53, 629-639.	1.2	29
23	Hydrological and geomorphological criteria to evaluate the dispersion risk of waste sludge generated by the Aznalcollar mine spill (SW Spain). <i>Environmental Geology</i> , 2001, 40, 417-428.	1.2	28
24	Frequency–magnitude relationships for precipitation, stream flow and sediment load events in a small Mediterranean basin (Vallcebre basin, Eastern Pyrenees). <i>Catena</i> , 2007, 71, 164-171.	2.2	27
25	Rainfall, runoff, and sediment transport dynamics in a humid mountain badland area: Long-term results from a small catchment. <i>Hydrological Processes</i> , 2018, 32, 1588-1606.	1.1	27
26	Detachment and infiltration variations as consequence of regolith development in a Pyrenean badland system. <i>Earth Surface Processes and Landforms</i> , 2009, 34, 824-838.	1.2	26
27	Uncertainty in the evaluation of sediment yield from badland areas: Suspended sediment transport estimated in the Araguás catchment (central Spanish Pyrenees). <i>Catena</i> , 2013, 106, 93-100.	2.2	26
28	Spatial and temporal variability of groundwater dynamics in a sub-Mediterranean mountain catchment. <i>Hydrological Processes</i> , 2014, 28, 3288-3299.	1.1	20
29	Bedload transport under different flow conditions in a human-disturbed catchment in the Central Spanish Pyrenees. <i>Catena</i> , 2007, 71, 155-163.	2.2	19
30	Laser elevation measurements of a smectite-rich mudrock following freeze-thawing and wet-drying cycles. <i>Soil and Tillage Research</i> , 1995, 8, 161-175.	0.4	17
31	Chapter 2 Catchment dynamics in a Mediterranean mountain environment: the Vallcebre research basins (southeastern Pyrenees) II: Temporal and spatial dynamics of erosion and stream sediment transport. <i>Developments in Earth Surface Processes</i> , 2005, , 17-29.	2.8	15
32	Sediment balance in four catchments with different land cover in the Central Spanish Pyrenees. <i>Zeitschrift für Geomorphologie</i> , 2012, 56, 147-168.	0.3	14
33	Analysing the effect of land use and vegetation cover on soil infiltration in three contrasting environments in northeast Spain. <i>Cuadernos De Investigacion Geografica</i> , 2017, 43, 141-169.	0.6	13
34	Catchment based hydrology under post farmland abandonment scenarios. <i>Cuadernos De Investigacion Geografica</i> , 2018, 44, 503-534.	0.6	11
35	Spatial and temporal variability of water table dynamics in an afforested catchment of the Central Spanish Pyrenees. <i>Hydrological Processes</i> , 2021, 35, e14311.	1.1	4