

Susana Schnabel

List of Publications by Year in descending order

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55
papers

2,032
citations

304743

22
h-index

254184

43
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57
all docs

57
docs citations

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times ranked

2469
citing authors

#	ARTICLE	IF	CITATIONS
1	Using topographical attributes to evaluate gully erosion proneness (susceptibility) in two mediterranean basins: advantages and limitations. <i>Natural Hazards</i> , 2015, 79, 291-314.	3.4	202
2	The Impact of Heavy Grazing on Soil Quality and Pasture Production in Rangelands of SW Spain. <i>Land Degradation and Development</i> , 2018, 29, 219-230.	3.9	136
3	Mapping sensitivity to land degradation in Extremadura. SW Spain. <i>Land Degradation and Development</i> , 2009, 20, 129-144.	3.9	132
4	Using 3D photo-reconstruction methods to estimate gully headcut erosion. <i>Catena</i> , 2014, 120, 91-101.	5.0	126
5	Soil hydrological response under simulated rainfall in the Dehesa land system (Extremadura, SW) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 106</i>		
6	Using and comparing two nonparametric methods (CART and MARS) to model the potential distribution of gullies. <i>Ecological Modelling</i> , 2009, 220, 3630-3637.	2.5	102
7	Hydrological behaviour of a small catchment in the dehesa landuse system (Extremadura, SW Spain). <i>Journal of Hydrology</i> , 1998, 210, 146-160.	5.4	100
8	Gully erosion, land use and topographical thresholds during the last 60 years in a small rangeland catchment in SW Spain. <i>Land Degradation and Development</i> , 2009, 20, 535-550.	3.9	92
9	Soil organic matter of Iberian open woodland rangelands as influenced by vegetation cover and land management. <i>Catena</i> , 2013, 109, 13-24.	5.0	79
10	Modelling the occurrence of gullies in rangelands of southwest Spain. <i>Earth Surface Processes and Landforms</i> , 2009, 34, 1894-1902.	2.5	70
11	Selecting indicators for assessing soil quality and degradation in rangelands of Extremadura (SW) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 67</i>		
12	Desertification due to overgrazing in a dynamic commercial livestock "grass" soil system. <i>Ecological Modelling</i> , 2007, 205, 277-288.	2.5	64
13	The influence of preferential flow on hillslope hydrology in a semi-arid watershed (in the Spanish) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 56</i>		
14	The role of vegetation covers on soil wetting processes at rainfall event scale in scattered tree woodland of Mediterranean climate. <i>Journal of Hydrology</i> , 2015, 529, 951-961.	5.4	51
15	Spatial variability of the relationships of runoff and sediment yield with weather types throughout the Mediterranean basin. <i>Journal of Hydrology</i> , 2019, 571, 390-405.	5.4	49
16	A ranking methodology for assessing relative erosion risk and its application to dehesas and montados in Spain and Portugal. <i>Land Degradation and Development</i> , 2002, 13, 129-140.	3.9	37
17	How do Soil Moisture and Vegetation Covers Influence Soil Temperature in Drylands of Mediterranean Regions?. <i>Water (Switzerland)</i> , 2018, 10, 1747.	2.7	37
18	sUAS, SfM-MVS photogrammetry and a topographic algorithm method to quantify the volume of sediments retained in check-dams. <i>Science of the Total Environment</i> , 2019, 678, 369-382.	8.0	35

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19	Reduction of the frequency of herbaceous roots as an effect of soil compaction induced by heavy grazing in rangelands of SW Spain. <i>Catena</i> , 2017, 158, 381-389.	5.0	33
20	Soil water repellency in rangelands of Extremadura (Spain) and its relationship with land management. <i>Catena</i> , 2013, 103, 53-61.	5.0	32
21	Continuous spatially distributed simulation of surface and subsurface hydrological processes in a small semiarid catchment. <i>Hydrological Processes</i> , 2008, 22, 2196-2214.	2.6	31
22	A model-based integrated assessment of land degradation by water erosion in a valuable Spanish rangeland. <i>Environmental Modelling and Software</i> , 2014, 55, 201-213.	4.5	25
23	Temporal instability of parameters in an event-based distributed hydrologic model applied to a small semiarid catchment. <i>Journal of Hydrology</i> , 2007, 341, 207-221.	5.4	24
24	Climate and topographic controls on simulated pasture production in a semiarid Mediterranean watershed with scattered tree cover. <i>Hydrology and Earth System Sciences</i> , 2014, 18, 1439-1456.	4.9	24
25	Exploring the relationships between gully erosion and hydrology in rangelands of SW Spain. <i>Zeitschrift für Geomorphologie</i> , 2012, 56, 27-44.	0.8	22
26	Calibration of an evapotranspiration model to simulate soil water dynamics in a semiarid rangeland. <i>Hydrological Processes</i> , 2008, 22, 4655-4669.	2.6	21
27	Soil moisture dynamics at high temporal resolution in a semiarid Mediterranean watershed with scattered tree cover. <i>Hydrological Processes</i> , 2016, 30, 1155-1170.	2.6	20
28	Runoff Production and Erosion Processes on a Dehesa in Western Spain. <i>Geographical Review</i> , 2002, 92, 333.	1.8	18
29	Spatial patterns of lost and remaining trees in the Iberian wooded rangelands. <i>Applied Geography</i> , 2017, 87, 170-183.	3.7	18
30	Effects of soil moisture and vegetation cover on biomass growth in water-limited environments. <i>Land Degradation and Development</i> , 2018, 29, 4405-4414.	3.9	17
31	Prediction of Near-Surface Soil Moisture at Large Scale by Digital Terrain Modeling and Neural Networks. <i>Environmental Monitoring and Assessment</i> , 2006, 121, 213-232.	2.7	15
32	Process-based modelling of a headwater catchment in a semi-arid area: the influence of macropore flow. <i>Hydrological Processes</i> , 2014, 28, 5805-5816.	2.6	15
33	Evaluating the influence of physical, economic and managerial factors on sheet erosion in rangelands of SW Spain by performing a sensitivity analysis on an integrated dynamic model. <i>Science of the Total Environment</i> , 2016, 544, 439-449.	8.0	15
34	Soil and Water Dynamics. <i>Landscape Series</i> , 2013, , 91-121.	0.2	14
35	Rainfall interception by Holm Oaks in Mediterranean open woodland. <i>Cuadernos De Investigacion Geografica</i> , 2001, 27, 27.	1.1	14
36	Relationship of Weather Types on the Seasonal and Spatial Variability of Rainfall, Runoff, and Sediment Yield in the Western Mediterranean Basin. <i>Atmosphere</i> , 2020, 11, 609.	2.3	13

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37	Comparison of two methodologies used to estimate erosion rates in Mediterranean ecosystems: 137Cs and exposed tree roots. <i>Science of the Total Environment</i> , 2017, 605-606, 541-550.	8.0	12
38	Dynamics of Erosion and Deposition in a Partially Restored Valley-Bottom Gully. <i>Land</i> , 2021, 10, 62.	2.9	11
39	Effects of gully control measures on sediment yield and connectivity in wooded rangelands. <i>Catena</i> , 2022, 214, 106259.	5.0	11
40	The role of interannual rainfall variability on runoff generation in a small dry sub-humid watershed with disperse tree cover. <i>Cuadernos De Investigacion Geografica</i> , 2013, 39, 259.	1.1	10
41	Estimation of soil erosion rates in dehesas using the inflection point of holm oaks. <i>Catena</i> , 2018, 166, 56-67.	5.0	9
42	Modeling Tree Loss Versus Tree Recruitment Processes in SW Iberian Rangelands as Influenced by Topography and Land use and Management. <i>Land Degradation and Development</i> , 2017, 28, 1652-1664.	3.9	8
43	Hydrological Signatures Based on Event Runoff Coefficients in Rural Catchments of the Iberian Peninsula. <i>Soil Science</i> , 2017, 182, 159-171.	0.9	8
44	Hydrological Characterization of Watering Ponds in Rangeland Farms in the Southwest Iberian Peninsula. <i>Water (Switzerland)</i> , 2020, 12, 1038.	2.7	8
45	Studying the influence of livestock pressure on gully erosion in rangelands of SW Spain by means of the UAV+SfM workflow. <i>Boletin De La Asociacion De Geografos Espanoles</i> , 2018, , 66-88.	0.3	8
46	Hydrological dynamics in a small catchment with silvopastoral land use in SW Spain. <i>Cuadernos De Investigacion Geografica</i> , 2018, 44, 557-580.	1.1	7
47	Using spatial models of temporal tree dynamics to evaluate the implementation of EU afforestation policies in rangelands of SW Spain. <i>Land Use Policy</i> , 2018, 78, 166-175.	5.6	6
48	Temporal and spatial variation of soil erosion in wooded rangelands of southwest Spain. <i>Earth Surface Processes and Landforms</i> , 2019, 44, 2141-2155.	2.5	6
49	Changes in Land Management of Iberian Rangelands and Grasslands in the Last 60 Years and their Effect on Vegetation. , 2018, , .		2
50	Different Techniques of Pasture Improvement and Soil Erosion in a Wooded Rangeland in SW Spain. <i>Geospatial Technology and the Role of Location in Science</i> , 2001, , 239-253.	0.5	2
51	Elaboraci3n de modelos 3D de diferentes morfologÃas y escalas utilizando tÃcnicas Structure-from-Motion y fotografÃas terrestres. <i>Cuaternario Y Geomorfologia</i> , 2016, 30, 23.	0.2	2
52	Comportamiento de la humedad del suelo en una pequeÃa cuenca hidrogrÃfica de la dehesa extremeÃa (Guadalperal3n, CÃceres). <i>Cuadernos De Investigacion Geografica</i> , 1998, 24, 25.	1.1	1
53	Variaci3n temporal de la erosi3n por cÃrcavas en los fondos de valle bajo explotaci3n de dehesa. <i>Cuadernos De Investigacion Geografica</i> , 2009, 35, 289.	1.1	1
54	Developing scoring functions to assess soil quality at a regional scale in rangelands of SW Spain. <i>Revista Brasileira De Ciencia Do Solo</i> , 2020, 44, .	1.3	1

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55	Pond Water Quality for Livestock in Southwestern Iberian Rangelands. Rangeland Ecology and Management, 2022, 83, 31-40.	2.3	1