Susana Schnabel

List of Publications by Year
in descending order

55 papers	2,032 citations	304743 22 h-index	254184 43 g-index
57 all docs	57 docs citations	57 times ranked	2469 citing authors

#	Article	IF	Citations
1	Effects of gully control measures on sediment yield and connectivity in wooded rangelands. Catena, 2022, 214, 106259.	5.0	11
2	Pond Water Quality for Livestock in Southwestern Iberian Rangelands. Rangeland Ecology and Management, 2022, 83, 31-40.	2.3	1
3	Dynamics of Erosion and Deposition in a Partially Restored Valley-Bottom Gully. Land, 2021, 10, 62.	2.9	11
4	Relationship of Weather Types on the Seasonal and Spatial Variability of Rainfall, Runoff, and Sediment Yield in the Western Mediterranean Basin. Atmosphere, 2020, 11, 609.	2.3	13
5	Hydrological Characterization of Watering Ponds in Rangeland Farms in the Southwest Iberian Peninsula. Water (Switzerland), 2020, 12, 1038.	2.7	8
6	Developing scoring functions to assess soil quality at a regional scale in rangelands of SW Spain. Revista Brasileira De Ciencia Do Solo, 2020, 44, .	1.3	1
7	sUAS, SfM-MVS photogrammetry and a topographic algorithm method to quantify the volume of sediments retained in check-dams. Science of the Total Environment, 2019, 678, 369-382.	8.0	35
8	Temporal and spatial variation of soil erosion in wooded rangelands of southwest Spain. Earth Surface Processes and Landforms, 2019, 44, 2141-2155.	2.5	6
9	Spatial variability of the relationships of runoff and sediment yield with weather types throughout the Mediterranean basin. Journal of Hydrology, 2019, 571, 390-405.	5.4	49
10	Estimation of soil erosion rates in dehesas using the inflection point of holm oaks. Catena, 2018, 166, 56-67.	5.0	9
11	The Impact of Heavy Grazing on Soil Quality and Pasture Production in Rangelands of SW Spain. Land Degradation and Development, 2018, 29, 219-230.	3.9	136
12	Changes in Land Management of Iberian Rangelands and Grasslands in the Last 60 Years and their Effect on Vegetation. , 2018, , .		2
13	Effects of soil moisture and vegetation cover on biomass growth in waterâ€limited environments. Land Degradation and Development, 2018, 29, 4405-4414.	3.9	17
14	Using spatial models of temporal tree dynamics to evaluate the implementation of EU afforestation policies in rangelands of SW Spain. Land Use Policy, 2018, 78, 166-175.	5.6	6
15	Hydrological dynamics in a small catchment with silvopastoral land use in SW Spain. Cuadernos De Investigacion Geografica, 2018, 44, 557-580.	1.1	7
16	Studying the influence of livestock pressure on gully erosion in rangelands of SW Spain by means of the UAV+SfM workflow. Boletin De La Asociacion De Geografos Espanoles, 2018, , 66-88.	0.3	8
17	How do Soil Moisture and Vegetation Covers Influence Soil Temperature in Drylands of Mediterranean Regions?. Water (Switzerland), 2018, 10, 1747.	2.7	37
18	Modeling Tree Loss Versus Tree Recruitment Processes in SW Iberian Rangelands as Influenced by Topography and Land use and Management. Land Degradation and Development, 2017, 28, 1652-1664.	3.9	8

#	Article	IF	Citations
19	Reduction of the frequency of herbaceous roots as an effect of soil compaction induced by heavy grazing in rangelands of SW Spain. Catena, 2017, 158, 381-389.	5.0	33
20	Hydrological Signatures Based on Event Runoff Coefficients in Rural Catchments of the Iberian Peninsula. Soil Science, 2017, 182, 159-171.	0.9	8
21	Spatial patterns of lost and remaining trees in the Iberian wooded rangelands. Applied Geography, 2017, 87, 170-183.	3.7	18
22	Comparison of two methodologies used to estimate erosion rates in Mediterranean ecosystems: 137Cs and exposed tree roots. Science of the Total Environment, 2017, 605-606, 541-550.	8.0	12
23	Selecting indicators for assessing soil quality and degradation in rangelands of Extremadura (SW) Tj ETQq1 1 0.784314 rgBT /Overloc	6.3	67
24	Soil moisture dynamics at high temporal resolution in a semiarid Mediterranean watershed with scattered tree cover. Hydrological Processes, 2016, 30, 1155-1170.	2.6	20
25	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. Science of the Total Environment, 2016, 544, 439-449.	8.0	15
26	ElaboraciÃ³n de modelos 3D de diferentes morfologÃas y escalas utilizando tÃ©cnicas Structure-from-Motion y fotografÃas terrestres. Cuaternario Y Geomorfologia, 2016, 30, 23.	0.2	2
27	The role of vegetation covers on soil wetting processes at rainfall event scale in scattered tree woodland of Mediterranean climate. Journal of Hydrology, 2015, 529, 951-961.	5.4	51
28	Using topographical attributes to evaluate gully erosion proneness (susceptibility) in two mediterranean basins: advantages and limitations. Natural Hazards, 2015, 79, 291-314.	3.4	202
29	Climate and topographic controls on simulated pasture production in a semiarid Mediterranean watershed with scattered tree cover. Hydrology and Earth System Sciences, 2014, 18, 1439-1456.	4.9	24
30	Processâ€based modelling of a headwater catchment in a semiâ€arid area: the influence of macropore flow. Hydrological Processes, 2014, 28, 5805-5816.	2.6	15
31	Using 3D photo-reconstruction methods to estimate gully headcut erosion. Catena, 2014, 120, 91-101.	5.0	126
32	A model-based integrated assessment of land degradation by water erosion in a valuable Spanish rangeland. Environmental Modelling and Software, 2014, 55, 201-213.	4.5	25
33	Soil water repellency in rangelands of Extremadura (Spain) and its relationship with land management. Catena, 2013, 103, 53-61.	5.0	32
34	Soil organic matter of Iberian open woodland rangelands as influenced by vegetation cover and land management. Catena, 2013, 109, 13-24.	5.0	79
35	Soil and Water Dynamics. Landscape Series, 2013, , 91-121.	0.2	14
36	The role of interannual rainfall variability on runoff generation in a small dry sub-humid watershed with disperse tree cover. Cuadernos De Investigacion Geografica, 2013, 39, 259.	1.1	10

#	Article	IF	Citations
37	Exploring the relationships between gully erosion and hydrology in rangelands of SW Spain. Zeitschrift FÃ¼r Geomorphologie, 2012, 56, 27-44.	0.8	22
38	Using and comparing two nonparametric methods (CART and MARS) to model the potential distribution of gullies. Ecological Modelling, 2009, 220, 3630-3637.	2.5	102
39	Modelling the occurrence of gullies in rangelands of southwest Spain. Earth Surface Processes and Landforms, 2009, 34, 1894-1902.	2.5	70
40	Mapping sensitivity to land degradation in Extremadura. SW Spain. Land Degradation and Development, 2009, 20, 129-144.	3.9	132
41	Gully erosion, land use and topographical thresholds during the last 60 years in a small rangeland catchment in SW Spain. Land Degradation and Development, 2009, 20, 535-550.	3.9	92
42	VariaciÃ³n temporal de la erosiÃ³n por cÃ¡rcavas en los fondos de valle bajo explotaciÃ³n de dehesa. Cuadernos De Investigacion Geografica, 2009, 35, 289.	1.1	1
43	Continuous spatially distributed simulation of surface and subsurface hydrological processes in a small semiarid catchment. Hydrological Processes, 2008, 22, 2196-2214.	2.6	31
44	The influence of preferential flow on hillslope hydrology in a semiâ€arid watershed (in the Spanish) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.6	56
45	Calibration of an evapotranspiration model to simulate soil water dynamics in a semiarid rangeland. Hydrological Processes, 2008, 22, 4655-4669.	2.6	21
46	Temporal instability of parameters in an event-based distributed hydrologic model applied to a small semiarid catchment. Journal of Hydrology, 2007, 341, 207-221.	5.4	24
47	Desertification due to overgrazing in a dynamic commercial livestockâ€“grassâ€“soil system. Ecological Modelling, 2007, 205, 277-288.	2.5	64
48	Prediction of Near-Surface Soil Moisture at Large Scale by Digital Terrain Modeling and Neural Networks. Environmental Monitoring and Assessment, 2006, 121, 213-232.	2.7	15
49	Runoff Production and Erosion Processes on a Dehesa in Western Spain. Geographical Review, 2002, 92, 333.	1.8	18
50	A ranking methodology for assessing relative erosion risk and its application todehesas andmontados in Spain and Portugal. Land Degradation and Development, 2002, 13, 129-140.	3.9	37
51	Different Techniques of Pasture Improvement and Soil Erosion in a Wooded Rangeland in SW Spain. Geospatial Technology and the Role of Location in Science, 2001, , 239-253.	0.5	2
52	Rainfall interception by Holm Oaks in Mediterranean open woodland. Cuadernos De Investigacion Geografica, 2001, 27, 27.	1.1	14
53	Soil hydrological response under simulated rainfall in the Dehesa land system (Extremadura, SW) Tj ETQq1 1 0.784314 rgBT /Overlock	106	
54	Hydrological behaviour of a small catchment in the dehesa landuse system (Extremadura, SW Spain). Journal of Hydrology, 1998, 210, 146-160.	5.4	100

#	Article	IF	Citations
55	Comportamiento de la humedad del suelo en una pequeÃ±a cuenca hidrogrÃ¡fica de la dehesa extremeÃ±a (GuadalperalÃ³n, CÃ¡ceres). Cuadernos De Investigacion Geografica, 1998, 24, 25.	1.1	1