

Artemi Cerdà

List of Publications by Year in descending order

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Version: 2024-02-01

345
papers

24,078
citations

4960

84
h-index

11607

135
g-index

376
all docs

376
docs citations

376
times ranked

15252
citing authors

#	ARTICLE	IF	CITATIONS
1	The significance of soils and soil science towards realization of the United Nations Sustainable Development Goals. <i>Soil</i> , 2016, 2, 111-128.	4.9	1,077
2	The superior effect of nature based solutions in land management for enhancing ecosystem services. <i>Science of the Total Environment</i> , 2018, 610-611, 997-1009.	8.0	606
3	The interdisciplinary nature of <i>SOIL</i>. <i>Soil</i> , 2015, 1, 117-129.	4.9	494
4	Fire effects on soil aggregation: A review. <i>Earth-Science Reviews</i> , 2011, 109, 44-60.	9.1	471
5	Wildland fire ash: Production, composition and eco-hydro-geomorphic effects. <i>Earth-Science Reviews</i> , 2014, 130, 103-127.	9.1	434
6	Effects of soil management techniques on soil water erosion in apricot orchards. <i>Science of the Total Environment</i> , 2016, 551-552, 357-366.	8.0	341
7	The immediate effectiveness of barley straw mulch in reducing soil erodibility and surface runoff generation in Mediterranean vineyards. <i>Science of the Total Environment</i> , 2016, 547, 323-330.	8.0	324
8	Pollution assessment of heavy metals in soils of India and ecological risk assessment: A state-of-the-art. <i>Chemosphere</i> , 2019, 216, 449-462.	8.2	308
9	The effect of ash and needle cover on surface runoff and erosion in the immediate post-fire period. <i>Catena</i> , 2008, 74, 256-263.	5.0	291
10	The effect of patchy distribution of <i>Stipa tenacissima</i> L. on runoff and erosion. <i>Journal of Arid Environments</i> , 1997, 36, 37-51.	2.4	282
11	Soil water erosion on Mediterranean vineyards: A review. <i>Catena</i> , 2016, 141, 1-21.	5.0	279
12	Influence of vegetation recovery on soil hydrology and erodibility following fire: an 11-year investigation. <i>International Journal of Wildland Fire</i> , 2005, 14, 423.	2.4	267
13	Effects of rock fragment cover on soil infiltration, interrill runoff and erosion. <i>European Journal of Soil Science</i> , 2001, 52, 59-68.	3.9	266
14	Soil erosion modelling: A global review and statistical analysis. <i>Science of the Total Environment</i> , 2021, 780, 146494.	8.0	261
15	Performance assessment of individual and ensemble data-mining techniques for gully erosion modeling. <i>Science of the Total Environment</i> , 2017, 609, 764-775.	8.0	258
16	Soil erosion assessment on tillage and alternative soil managements in a Sicilian vineyard. <i>Soil and Tillage Research</i> , 2011, 117, 140-147.	5.6	250
17	Mulching practices for reducing soil water erosion: A review. <i>Earth-Science Reviews</i> , 2016, 161, 191-203.	9.1	225
18	Soil wettability, runoff and erodibility of major dry-Mediterranean land use types on calcareous soils. <i>Hydrological Processes</i> , 2007, 21, 2325-2336.	2.6	212

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19	Evaluation of deep learning algorithms for national scale landslide susceptibility mapping of Iran. <i>Geoscience Frontiers</i> , 2021, 12, 505-519.	8.4	212
20	Improving prediction of water quality indices using novel hybrid machine-learning algorithms. <i>Science of the Total Environment</i> , 2020, 721, 137612.	8.0	202
21	The effect of soil on human health: an overview. <i>European Journal of Soil Science</i> , 2018, 69, 159-171.	3.9	201
22	Soil microbial biomass and activity under different agricultural management systems in a semiarid Mediterranean agroecosystem. <i>Soil and Tillage Research</i> , 2010, 109, 110-115.	5.6	198
23	The way forward: Can connectivity be useful to design better measuring and modelling schemes for water and sediment dynamics?. <i>Science of the Total Environment</i> , 2018, 644, 1557-1572.	8.0	191
24	A comparison of statistical methods and multi-criteria decision making to map flood hazard susceptibility in Northern Iran. <i>Science of the Total Environment</i> , 2019, 660, 443-458.	8.0	189
25	Effects of agricultural management on surface soil properties and soil water losses in eastern Spain. <i>Soil and Tillage Research</i> , 2009, 106, 117-123.	5.6	181
26	Contribution of raindrop impact to the change of soil physical properties and water erosion under semi-arid rainfalls. <i>Science of the Total Environment</i> , 2017, 583, 382-392.	8.0	181
27	Soil aggregate stability under different Mediterranean vegetation types. <i>Catena</i> , 1998, 32, 73-86.	5.0	180
28	Soil and water losses from new citrus orchards growing on sloped soils in the western Mediterranean basin. <i>Earth Surface Processes and Landforms</i> , 2009, 34, 1822-1830.	2.5	177
29	Use of barley straw residues to avoid high erosion and runoff rates on persimmon plantations in Eastern Spain under low frequency high magnitude simulated rainfall events. <i>Soil Research</i> , 2016, 54, 154.	1.1	174
30	Changes in overland flow and infiltration after a rangeland fire in a Mediterranean scrubland. , 1998, 12, 1031-1042.		172
31	European small portable rainfall simulators: A comparison of rainfall characteristics. <i>Catena</i> , 2013, 110, 100-112.	5.0	170
32	The impact of organic amendments on soil hydrology, structure and microbial respiration in semiarid lands. <i>Geoderma</i> , 2016, 266, 58-65.	5.1	170
33	Straw mulch as a sustainable solution to decrease runoff and erosion in glyphosate-treated clementine plantations in Eastern Spain. An assessment using rainfall simulation experiments. <i>Catena</i> , 2019, 174, 95-103.	5.0	167
34	Changes in Soil Microbial Community Structure Influenced by Agricultural Management Practices in a Mediterranean Agro-Ecosystem. <i>PLoS ONE</i> , 2013, 8, e80522.	2.5	163
35	Effects of climate, land cover and topography on soil erosion risk in a semiarid basin of the Andes. <i>Catena</i> , 2016, 140, 31-42.	5.0	161
36	Splash erosion: A review with unanswered questions. <i>Earth-Science Reviews</i> , 2017, 171, 463-477.	9.1	161

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37	The influence of aspect and vegetation on seasonal changes in erosion under rainfall simulation on a clay soil in Spain. <i>Canadian Journal of Soil Science</i> , 1998, 78, 321-330.	1.2	157
38	Aggregate stability against water forces under different climates on agriculture land and scrubland in southern Bolivia. <i>Soil and Tillage Research</i> , 2000, 57, 159-166.	5.6	157
39	Predicting uncertainty of machine learning models for modelling nitrate pollution of groundwater using quantile regression and UNEEC methods. <i>Science of the Total Environment</i> , 2019, 688, 855-866.	8.0	155
40	Design and operation of a small and portable rainfall simulator for rugged terrain. <i>Soil and Tillage Research</i> , 1997, 11, 163-170.	0.4	151
41	Parent Material and Vegetation Affect Soil Erosion in Eastern Spain. <i>Soil Science Society of America Journal</i> , 1999, 63, 362-368.	2.2	151
42	GIS-based groundwater potential mapping in Shahroud plain, Iran. A comparison among statistical (bivariate and multivariate), data mining and MCDM approaches. <i>Science of the Total Environment</i> , 2019, 658, 160-177.	8.0	150
43	Long-term erosional responses after fire in the Central Spanish Pyrenees. <i>Catena</i> , 2005, 60, 59-80.	5.0	148
44	Erodibility prioritization of sub-watersheds using morphometric parameters analysis and its mapping: A comparison among TOPSIS, VIKOR, SAW, and CF multi-criteria decision making models. <i>Science of the Total Environment</i> , 2018, 613-614, 1385-1400.	8.0	142
45	Seasonal variability of infiltration rates under contrasting slope conditions in southeast Spain. <i>Geoderma</i> , 1996, 69, 217-232.	5.1	137
46	Ongoing and Emerging Questions in Water Erosion Studies. <i>Land Degradation and Development</i> , 2017, 28, 5-21.	3.9	137
47	Soil structural stability and erosion rates influenced by agricultural management practices in a semi-arid Mediterranean agro-ecosystem. <i>Soil Use and Management</i> , 2012, 28, 571-579.	4.9	133
48	The influence of slope angle on sediment, water and seed losses on badland landscapes. <i>Geomorphology</i> , 1997, 18, 77-90.	2.6	130
49	Soil water erosion on road embankments in eastern Spain. <i>Science of the Total Environment</i> , 2007, 378, 151-155.	8.0	130
50	An economic, perception and biophysical approach to the use of oat straw as mulch in Mediterranean rainfed agriculture land. <i>Ecological Engineering</i> , 2017, 108, 162-171.	3.6	129
51	Managing soil nitrate with cover crops and buffer strips in Sicilian vineyards. <i>Solid Earth</i> , 2013, 4, 255-262.	2.8	128
52	Seasonal changes of the infiltration rates in a Mediterranean scrubland on limestone. <i>Journal of Hydrology</i> , 1997, 198, 209-225.	5.4	127
53	The wettability of ash from burned vegetation and its relationship to Mediterranean plant species type, burn severity and total organic carbon content. <i>Geoderma</i> , 2011, 160, 599-607.	5.1	127
54	Assessing and mapping multi-hazard risk susceptibility using a machine learning technique. <i>Scientific Reports</i> , 2020, 10, 3203.	3.3	126

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55	Quantitative comparison of initial soil erosion processes and runoff generation in Spanish and German vineyards. <i>Science of the Total Environment</i> , 2016, 565, 1165-1174.	8.0	125
56	Soil erosion and hydrology of the western Mediterranean badlands throughout rainfall simulation experiments: A review. <i>Catena</i> , 2013, 106, 101-112.	5.0	121
57	Fire and aspect induced differences on the erodibility and hydrology of soils at La Costera, Valencia, southeast Spain. <i>Catena</i> , 1995, 24, 289-304.	5.0	119
58	The influence of geomorphological position and vegetation cover on the erosional and hydrological processes on a Mediterranean hillslope. <i>Hydrological Processes</i> , 1998, 12, 661-671.	2.6	118
59	Long-term effects of soil management on ecosystem services and soil loss estimation in olive grove top soils. <i>Science of the Total Environment</i> , 2016, 571, 498-506.	8.0	112
60	Unravelling the importance of forest age stand and forest structure driving microbiological soil properties, enzymatic activities and soil nutrients content in Mediterranean Spanish black pine (<i>Pinus</i>)	8.0	110
61	Hydrological and erosional impact and farmer's perception on catch crops and weeds in citrus organic farming in Canyoles river watershed, Eastern Spain. <i>Agriculture, Ecosystems and Environment</i> , 2018, 258, 49-58.	5.3	111
62	Measuring, modelling and managing gully erosion at large scales: A state of the art. <i>Earth-Science Reviews</i> , 2021, 218, 103637.	9.1	111
63	Soil erosion after land abandonment in a semiarid environment of southeastern Spain. <i>Arid Land Research and Management</i> , 1997, 11, 163-176.	0.3	109
64	Nitrogen losses in vineyards under different types of soil groundcover. A field runoff simulator approach in central Spain. <i>Agriculture, Ecosystems and Environment</i> , 2017, 236, 256-267.	5.3	109
65	Agricultural land abandonment in Mediterranean environment provides ecosystem services via soil carbon sequestration. <i>Science of the Total Environment</i> , 2017, 576, 420-429.	8.0	107
66	Soil hydrological response under simulated rainfall in the Dehesa land system (Extremadura, SW)	10.6	106
67	Cover crop management and water conservation in vineyard and olive orchards. <i>Soil and Tillage Research</i> , 2021, 208, 104896.	5.6	105
68	Agroforestry: a sustainable environmental practice for carbon sequestration under the climate change scenarios—a review. <i>Environmental Science and Pollution Research</i> , 2017, 24, 11177-11191.	5.3	104
69	Limitations to plant establishment on eroded slopes in southeastern Spain. <i>Journal of Vegetation Science</i> , 2000, 11, 77-86.	2.2	102
70	Seasonal and spatial variations in infiltration rates in badland surfaces under Mediterranean climatic conditions. <i>Water Resources Research</i> , 1999, 35, 319-328.	4.2	99
71	Long-term impact of rainfed agricultural land abandonment on soil erosion in the Western Mediterranean basin. <i>Progress in Physical Geography</i> , 2018, 42, 202-219.	3.2	99
72	Land subsidence modelling using tree-based machine learning algorithms. <i>Science of the Total Environment</i> , 2019, 672, 239-252.	8.0	99

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73	The multidisciplinary origin of soil geography: A review. <i>Earth-Science Reviews</i> , 2018, 177, 114-123.	9.1	98
74	Rainfall simulation and Structure-from-Motion photogrammetry for the analysis of soil water erosion in Mediterranean vineyards. <i>Science of the Total Environment</i> , 2017, 574, 204-215.	8.0	96
75	Soil Erosion as an Environmental Concern in Vineyards. The Case Study of Celler del Roure, Eastern Spain, by Means of Rainfall Simulation Experiments. <i>Beverages</i> , 2018, 4, 31.	2.8	96
76	Comparison of machine learning models for gully erosion susceptibility mapping. <i>Geoscience Frontiers</i> , 2020, 11, 1609-1620.	8.4	96
77	The impact of cotton geotextiles on soil and water losses from Mediterranean rainfed agricultural land. <i>Land Degradation and Development</i> , 2010, 21, 210-217.	3.9	94
78	Modelling the Impacts of Wildfire on Ash Thickness in a Short-term Period. <i>Land Degradation and Development</i> , 2015, 26, 180-192.	3.9	94
79	Ecosystem responses to land abandonment in Western Mediterranean Mountains. <i>Catena</i> , 2017, 149, 824-835.	5.0	94
80	The influence of seed size and shape on their removal by water erosion. <i>Catena</i> , 2002, 48, 293-301.	5.0	92
81	Hydrological effects of a layer of vegetation ash on underlying wettable and water repellent soil. <i>Geoderma</i> , 2012, 191, 14-23.	5.1	92
82	The impact of straw mulching and salvage logging on post-fire runoff and soil erosion generation under Mediterranean climate conditions. <i>Science of the Total Environment</i> , 2019, 654, 441-451.	8.0	91
83	Effect of climate on surface flow along a climatological gradient in Israel: a field rainfall simulation approach. <i>Journal of Arid Environments</i> , 1998, 38, 145-159.	2.4	90
84	Understanding the role of soil erosion on CO ₂ loss using ¹³ C isotopic signatures in abandoned Mediterranean agricultural land. <i>Science of the Total Environment</i> , 2016, 550, 330-336.	8.0	90
85	Relationships between climate and soil hydrological and erosional characteristics along climatic gradients in Mediterranean limestone areas. <i>Geomorphology</i> , 1998, 25, 123-134.	2.6	89
86	A review of soil carbon dynamics resulting from agricultural practices. <i>Journal of Environmental Management</i> , 2020, 268, 110319.	7.8	87
87	The effect of season and parent material on water erosion on highly eroded soils in eastern Spain. <i>Journal of Arid Environments</i> , 2002, 52, 319-337.	2.4	86
88	Short-term changes in infiltration between straw mulched and non-mulched soils after wildfire in Mediterranean forest ecosystems. <i>Ecological Engineering</i> , 2018, 122, 27-31.	3.6	86
89	Development and analysis of the Soil Water Infiltration Global database. <i>Earth System Science Data</i> , 2018, 10, 1237-1263.	9.9	85
90	Soil aggregate stability in three Mediterranean environments. <i>Soil and Tillage Research</i> , 1996, 9, 133-140.	0.4	84

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91	Seed removal susceptibility through soil erosion shapes vegetation composition. <i>Plant and Soil</i> , 2010, 334, 289-297.	3.7	84
92	Post-fire dynamics of erosional processes under Mediterranean climatic conditions. <i>Zeitschrift für Geomorphologie</i> , 1998, 42, 373-398.	0.8	84
93	A review of ecological risk assessment and associated health risks with heavy metals in sediment from India. <i>International Journal of Sediment Research</i> , 2020, 35, 516-526.	3.5	83
94	Soil organic carbon stocks assessment in Mediterranean natural areas: A comparison of entire soil profiles and soil control sections. <i>Journal of Environmental Management</i> , 2015, 155, 219-228.	7.8	82
95	Contribution of the largest events to suspended sediment transport across the USA. <i>Land Degradation and Development</i> , 2010, 21, 83-91.	3.9	81
96	Contrasted Impact of Land Abandonment on Soil Erosion in Mediterranean Agriculture Fields. <i>Pedosphere</i> , 2018, 28, 617-631.	4.0	81
97	The effect of sample size on different machine learning models for groundwater potential mapping in mountain bedrock aquifers. <i>Catena</i> , 2020, 187, 104421.	5.0	81
98	Policies can help to apply successful strategies to control soil and water losses. The case of chipped pruned branches (CPB) in Mediterranean citrus plantations. <i>Land Use Policy</i> , 2018, 75, 734-745.	5.6	80
99	The influence of ants on soil and water losses from an orange orchard in eastern Spain. <i>Journal of Applied Entomology</i> , 2008, 132, 306-314.	1.8	78
100	Spatial models for monitoring the spatio-temporal evolution of ashes after fire – a case study of a burnt grassland in Lithuania. <i>Solid Earth</i> , 2013, 4, 153-165.	2.8	78
101	Carbon input threshold for soil carbon budget optimization in eroding vineyards. <i>Geoderma</i> , 2016, 271, 144-149.	5.1	78
102	Modeling soil cation exchange capacity in multiple countries. <i>Catena</i> , 2017, 158, 194-200.	5.0	78
103	Soil erosion modelling: A bibliometric analysis. <i>Environmental Research</i> , 2021, 197, 111087.	7.5	78
104	Yield and fruit quality of two melon cultivars irrigated with saline water at different stages of development. <i>European Journal of Agronomy</i> , 2005, 23, 243-253.	4.1	76
105	Runoff initiation, soil detachment and connectivity are enhanced as a consequence of vineyards plantations. <i>Journal of Environmental Management</i> , 2017, 202, 268-275.	7.8	76
106	<i>Pinus halepensis</i> M. versus <i>Quercus ilex</i> subsp. <i>Rotundifolia</i> L. runoff and soil erosion at pedon scale under natural rainfall in Eastern Spain three decades after a forest fire. <i>Forest Ecology and Management</i> , 2017, 400, 447-456.	3.2	76
107	Spatial prediction of soil erosion susceptibility using a fuzzy analytical network process: Application of the fuzzy decision making trial and evaluation laboratory approach. <i>Land Degradation and Development</i> , 2018, 29, 3092-3103.	3.9	76
108	Assessing flood probability for transportation infrastructure based on catchment characteristics, sediment connectivity and remotely sensed soil moisture. <i>Science of the Total Environment</i> , 2019, 661, 393-406.	8.0	76

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109	The impact of soil erosion on soil fertility and vine vigor. A multidisciplinary approach based on field, laboratory and remote sensing approaches. <i>Science of the Total Environment</i> , 2018, 622-623, 474-480.	8.0	75
110	Assessment of soil particle erodibility and sediment trapping using check dams in small semi-arid catchments. <i>Catena</i> , 2017, 157, 227-240.	5.0	74
111	Fire effects on soil system functioning: new insights and future challenges. <i>International Journal of Wildland Fire</i> , 2005, 14, 339.	2.4	73
112	Wildfire effects on extractable elements in ash from a <i>Pinus pinaster</i> forest in Portugal. <i>Hydrological Processes</i> , 2014, 28, 3681-3690.	2.6	72
113	Seed population dynamics on badland slopes in southeastern Spain. <i>Journal of Vegetation Science</i> , 1995, 6, 691-696.	2.2	71
114	Long-term erosional responses after fire in the Central Spanish Pyrenees. <i>Catena</i> , 2005, 60, 81-100.	5.0	71
115	The influence of fire history, plant species and post-fire management on soil water repellency in a Mediterranean catchment: The Mount Carmel range, Israel. <i>Catena</i> , 2017, 149, 857-866.	5.0	71
116	A novel ensemble computational intelligence approach for the spatial prediction of land subsidence susceptibility. <i>Science of the Total Environment</i> , 2020, 726, 138595.	8.0	71
117	Comparative measurements with seven rainfall simulators on uniform bare fallow land. <i>Zeitschrift für Geomorphologie</i> , 2013, 57, 11-26.	0.8	70
118	FT-IR spectroscopy reveals that ash water repellency is highly dependent on ash chemical composition. <i>Catena</i> , 2013, 108, 35-43.	5.0	68
119	Effectiveness of Cover Crops to Reduce Loss of Soil Organic Matter in a Rainfed Vineyard. <i>Land</i> , 2020, 9, 230.	2.9	66
120	Soil Erosion Processes in European Vineyards: A Qualitative Comparison of Rainfall Simulation Measurements in Germany, Spain and France. <i>Hydrology</i> , 2016, 3, 6.	3.0	65
121	Ant mounds as a source of sediment on citrus orchard plantations in eastern Spain. A three-scale rainfall simulation approach. <i>Catena</i> , 2011, 85, 231-236.	5.0	61
122	Soil erosion in sloping vineyards assessed by using botanical indicators and sediment collectors in the Ruwer-Mosel valley. <i>Agriculture, Ecosystems and Environment</i> , 2016, 233, 158-170.	5.3	61
123	Connectivity assessment in Mediterranean vineyards using improved stock unearthing method, LiDAR and soil erosion field surveys. <i>Earth Surface Processes and Landforms</i> , 2018, 43, 2193-2206.	2.5	61
124	Soil Physical Quality of Citrus Orchards Under Tillage, Herbicide, and Organic Managements. <i>Pedosphere</i> , 2018, 28, 463-477.	4.0	58
125	Soil erosion on mountain trails as a consequence of recreational activities. A comprehensive review of the scientific literature. <i>Journal of Environmental Management</i> , 2020, 271, 110990.	7.8	58
126	A comparative study of environmental knowledge, attitudes and behaviors among university students in China. <i>International Research in Geographical and Environmental Education</i> , 2011, 20, 91-104.	1.6	57

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127	Soil physical quality changes under different management systems after 10 years in the Argentine humid pampa. <i>Solid Earth</i> , 2015, 6, 361-371.	2.8	57
128	Short-term Vegetation Recovery after a Grassland Fire in Lithuania: The Effects of Fire Severity, Slope Position and Aspect. <i>Land Degradation and Development</i> , 2016, 27, 1523-1534.	3.9	57
129	Spatial Pattern Analysis and Prediction of Gully Erosion Using Novel Hybrid Model of Entropy-Weight of Evidence. <i>Water (Switzerland)</i> , 2019, 11, 1129.	2.7	57
130	Effects of Soil Bund and Stone-Faced Soil Bund on Soil Physicochemical Properties and Crop Yield Under Rain-Fed Conditions of Northwest Ethiopia. <i>Land</i> , 2020, 9, 13.	2.9	57
131	The impact of fire on redistribution of soil organic matter on a mediterranean hillslope under maquia vegetation type. <i>Land Degradation and Development</i> , 2011, 22, 530-536.	3.9	56
132	Spatial and temporal variations of water repellency and probability of its occurrence in calcareous Mediterranean rangeland soils affected by fires. <i>Catena</i> , 2013, 108, 14-25.	5.0	56
133	Vineyard Compost Supplemented with <i>Trichoderma Harzianum</i> T78 Improve Saline Soil Quality. <i>Land Degradation and Development</i> , 2017, 28, 1028-1037.	3.9	55
134	Relay cropping as a sustainable approach: problems and opportunities for sustainable crop production. <i>Environmental Science and Pollution Research</i> , 2017, 24, 6973-6988.	5.3	55
135	Anthocyanins of Coloured Wheat Genotypes in Specific Response to SalStress. <i>Molecules</i> , 2018, 23, 1518.	3.8	55
136	Vicia sativa Roth. Can Reduce Soil and Water Losses in Recently Planted Vineyards (<i>Vitis vinifera</i> L.). <i>Earth Systems and Environment</i> , 2020, 4, 827-842.	6.2	55
137	Rainfall drop size distribution in the Western Mediterranean basin, València, Spain. <i>Catena</i> , 1997, 30, 169-182.	5.0	54
138	The erosional response of calcareous soils along a climatological gradient in Southeast Spain. <i>Geomorphology</i> , 1998, 24, 3-16.	2.6	54
139	Magnitude-frequency analysis of water redistribution along a climate gradient in Spain. <i>Catena</i> , 1999, 37, 129-146.	5.0	54
140	Ecohydrological adaptation of soils following land abandonment in a semi-arid environment. <i>Ecohydrology</i> , 2010, 3, 421-430.	2.4	54
141	Effects of ants on water and soil losses from organically-managed citrus orchards in eastern Spain. <i>Biologia (Poland)</i> , 2009, 64, 527-531.	1.5	52
142	The role of forest fire severity on vegetation recovery after 18 years. Implications for forest management of <i>Quercus suber</i> L. in Iberian Peninsula. <i>Global and Planetary Change</i> , 2016, 145, 11-16.	3.5	51
143	Do conservative agriculture practices increase soil water repellency? A case study in citrus-cropped soils. <i>Soil and Tillage Research</i> , 2012, 124, 233-239.	5.6	50
144	Organic Fertilization in Traditional Mediterranean Grapevine Orchards Mediates Changes in Soil Microbial Community Structure and Enhances Soil Fertility. <i>Land Degradation and Development</i> , 2016, 27, 1622-1628.	3.9	50

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145	Rhizosphere soil indicators for carbon sequestration in a reclaimed coal mine spoil. <i>Catena</i> , 2016, 141, 100-108.	5.0	50
146	Effects of length and application rate of rice straw mulch on surface runoff and soil loss under laboratory simulated rainfall. <i>International Journal of Sediment Research</i> , 2021, 36, 468-478.	3.5	50
147	A regional analysis of the effects of largest events on soil erosion. <i>Catena</i> , 2012, 95, 85-90.	5.0	49
148	Assessing land condition as a first step to achieving land degradation neutrality: A case study of the Republic of Srpska. <i>Environmental Science and Policy</i> , 2018, 90, 19-27.	4.9	49
149	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
150	Proposing a Novel Predictive Technique for Gully Erosion Susceptibility Mapping in Arid and Semi-arid Regions (Iran). <i>Remote Sensing</i> , 2019, 11, 2577.	4.0	49
151	Catchment size and contribution of the largest daily events to suspended sediment load on a continental scale. <i>Catena</i> , 2013, 102, 40-45.	5.0	48
152	Impact of Farmland Abandonment on Water Resources and Soil Conservation in Citrus Plantations in Eastern Spain. <i>Water (Switzerland)</i> , 2019, 11, 824.	2.7	48
153	Assessing drought vulnerability and adaptation among farmers in Gadaref region, Eastern Sudan. <i>Land Use Policy</i> , 2018, 70, 402-413.	5.6	47
154	The impact of agricultural management on selected soil properties in citrus orchards in Eastern Spain: A comparison between conventional and organic citrus orchards with drip and flood irrigation. <i>Science of the Total Environment</i> , 2017, 581-582, 153-160.	8.0	46
155	Improving stock unearthing method to measure soil erosion rates in vineyards. <i>Ecological Indicators</i> , 2018, 85, 509-517.	6.3	46
156	Laboratory testing of Beerkan infiltration experiments for assessing the role of soil sealing on water infiltration. <i>Catena</i> , 2018, 167, 373-384.	5.0	46
157	A review of GIS methodologies to analyze the dynamics of COVID-19 in the second half of 2020. <i>Transactions in GIS</i> , 2021, 25, 2191-2239.	2.3	46
158	The effect of ant mounds on overland flow and soil erodibility following a wildfire in eastern Spain. <i>Ecohydrology</i> , 2010, 3, 392-401.	2.4	45
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