

MarÃ-a Victoria LÃ³pez

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

2,061
citations

201658

27
h-index

233409

45
g-index

54
all docs

54
docs citations

54
times ranked

2258
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydraulic properties characterization of undisturbed soil cores from upward infiltration measurements. <i>Catena</i> , 2021, 196, 104816.	5.0	5
2	Agronomic potential of two European pennycress accessions as a winter crop under European Mediterranean conditions. <i>Industrial Crops and Products</i> , 2021, 159, 113107.	5.2	6
3	A TDR wireless device for volumetric water content sensing. <i>Computers and Electronics in Agriculture</i> , 2021, 181, 105939.	7.7	5
4	Depopulation impacts on ecosystem services in Mediterranean rural areas. <i>Ecosystem Services</i> , 2021, 52, 101369.	5.4	33
5	Functional analysis of Î²-ketoacyl-CoA synthase from biofuel feedstock <i>Thlaspi arvense</i> reveals differences in the triacylglycerol biosynthetic pathway among Brassicaceae. <i>Plant Molecular Biology</i> , 2020, 104, 283-296.	3.9	6
6	Three- and four-term approximate expansions of the Haverkamp formulation to estimate soil hydraulic properties from disc infiltrometer measurements. <i>Hydrological Processes</i> , 2020, 34, 5543-5556.	2.6	15
7	Estimation of the soil hydraulic properties from the transient infiltration curve measured on soils affected by water repellency. <i>Catena</i> , 2019, 178, 298-306.	5.0	14
8	Determination of Soil Aggregate Porosity Using the Modified Water Saturation Method. <i>Pedosphere</i> , 2019, 29, 794-800.	4.0	4
9	Beneath the canopy: Linking drought-induced forest die off and changes in soil properties. <i>Forest Ecology and Management</i> , 2018, 422, 294-302.	3.2	25
10	Influence of the Î² parameter of the Haverkamp model on the transient soil water infiltration curve. <i>Journal of Hydrology</i> , 2018, 564, 222-229.	5.4	24
11	Development and analysis of the Soil Water Infiltration Global database. <i>Earth System Science Data</i> , 2018, 10, 1237-1263.	9.9	85
12	Estimating the van Genuchten retention curve parameters of undisturbed soil from a single upward infiltration measurement. <i>Soil Research</i> , 2017, 55, 682.	1.1	5
13	Effects of tillage on the soil water retention curve during a fallow period of a semiarid dryland. <i>Soil Research</i> , 2017, 55, 114.	1.1	30
14	Identification of target genes and processes involved in erucic acid accumulation during seed development in the biodiesel feedstock <i>Pennycress</i> (<i>Thlaspi arvense</i> L.). <i>Journal of Plant Physiology</i> , 2017, 208, 7-16.	3.5	26
15	Applicability of the photogrammetry technique to determine the volume and the bulk density of small soil aggregates. <i>Soil Research</i> , 2016, 54, 354.	1.1	14
16	Influence of the wetting process on estimation of the water-retention curve of tilled soils. <i>Soil Research</i> , 2016, 54, 840.	1.1	4
17	Soil organic matter fractions as affected by tillage and soil texture under semiarid Mediterranean conditions. <i>Soil and Tillage Research</i> , 2016, 155, 381-389.	5.6	80
18	Long-term no-tillage effects on particulate and mineral-associated soil organic matter under rainfed Mediterranean conditions. <i>Soil Use and Management</i> , 2013, 29, 250-259.	4.9	39

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19	TDR-LAB 2.0 Improved TDR Software for Soil Water Content and Electrical Conductivity Measurements. <i>Procedia Environmental Sciences</i> , 2013, 19, 474-483.	1.4	14
20	Tensile strength and organic carbon of soil aggregates under long-term no tillage in semiarid Aragon (NE Spain). <i>Geoderma</i> , 2012, 189-190, 423-430.	5.1	19
21	Dynamics of aggregate destabilization by water in soils under long-term conservation tillage in semiarid Spain. <i>Catena</i> , 2012, 99, 34-41.	5.0	43
22	No tillage in rainfed Aragon (NE Spain): Effect on organic carbon in the soil surface horizon. <i>Soil and Tillage Research</i> , 2012, 118, 61-65.	5.6	34
23	A new TDR probe for measurements of soil solution electrical conductivity. <i>Journal of Hydrology</i> , 2012, 448-449, 73-79.	5.4	11
24	TDR pressure cell for monitoring water content retention and bulk electrical conductivity curves in undisturbed soil samples. <i>Hydrological Processes</i> , 2012, 26, 246-254.	2.6	20
25	Conservation Agriculture Under Mediterranean Conditions in Spain. <i>Sustainable Agriculture Reviews</i> , 2010, , 175-193.	1.1	13
26	Soil Bulk Electrical Conductivity Measurement using High-ε Dielectric Coated Time Domain Reflectometry Probes. <i>Soil Science Society of America Journal</i> , 2009, 73, 21-27.	2.2	3
27	Measurement of Soil Bulk Electrical Conductivity Using Partially Coated TDR Probes. <i>Vadose Zone Journal</i> , 2009, 8, 594-600.	2.2	10
28	Effect of long-term conservation tillage on soil biochemical properties in Mediterranean Spanish areas. <i>Soil and Tillage Research</i> , 2009, 105, 55-62.	5.6	114
29	Tillage and cropping effects on soil organic carbon in Mediterranean semiarid agroecosystems: Testing the Century model. <i>Agriculture, Ecosystems and Environment</i> , 2009, 134, 211-217.	5.3	73
30	Soil Aggregation and Soil Organic Carbon Stabilization: Effects of Management in Semiarid Mediterranean Agroecosystems. <i>Soil Science Society of America Journal</i> , 2009, 73, 1519-1529.	2.2	91
31	A TDR-pressure cell design for measuring the soil-water retention curve. <i>Soil and Tillage Research</i> , 2008, 100, 114-119.	5.6	12
32	Aggregate breakdown during tillage in a Mediterranean loamy soil. <i>Soil and Tillage Research</i> , 2008, 101, 62-68.	5.6	47
33	Tillage and cropping intensification effects on soil aggregation: Temporal dynamics and controlling factors under semiarid conditions. <i>Geoderma</i> , 2008, 145, 390-396.	5.1	86
34	Tillage Effects on Soil Organic Carbon Fractions in Mediterranean Dryland Agroecosystems. <i>Soil Science Society of America Journal</i> , 2008, 72, 541-547.	2.2	157
35	Management Effects on Soil Carbon Dioxide Fluxes under Semiarid Mediterranean Conditions. <i>Soil Science Society of America Journal</i> , 2008, 72, 194-200.	2.2	52
36	Determination of the wind-erodible fraction of soils using different methodologies. <i>Geoderma</i> , 2007, 139, 407-411.	5.1	55

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37	Soil carbon dioxide fluxes following tillage in semiarid Mediterranean agroecosystems. <i>Soil and Tillage Research</i> , 2007, 96, 331-341.	5.6	73
38	Winter barley performance under different cropping and tillage systems in semiarid Aragon (NE Spain). <i>European Journal of Agronomy</i> , 2007, 26, 54-63.	4.1	33
39	Soil management effects on aggregate dynamics in semiarid Aragon (NE Spain). <i>Science of the Total Environment</i> , 2007, 378, 179-182.	8.0	16
40	Influence of fallowing practices on soil water and precipitation storage efficiency in semiarid Aragon (NE Spain). <i>Agricultural Water Management</i> , 2006, 82, 161-176.	5.6	43
41	A new TDR waveform analysis approach for soil moisture profiling using a single probe. <i>Journal of Hydrology</i> , 2006, 321, 163-172.	5.4	15
42	Dynamics of surface barley residues during fallow as affected by tillage and decomposition in semiarid Aragon (NE Spain). <i>European Journal of Agronomy</i> , 2005, 23, 26-36.	4.1	25
43	TDR application for automated water level measurement from Mariotte reservoirs in tension disc infiltrometers. <i>Journal of Hydrology</i> , 2004, 297, 229-235.	5.4	42
44	Tillage effects on barley residue cover during fallow in semiarid Aragon. <i>Soil and Tillage Research</i> , 2003, 72, 53-64.	5.6	37
45	Wind erosion in a semiarid agricultural area of Spain: the WELSONS project. <i>Catena</i> , 2003, 52, 235-256.	5.0	137
46	Spatial Variability of Soil Surface Properties and Consequences for the Annual and Monthly Water Balance of a Semiarid Environment (EFEDA Experiment). <i>Journal of Hydrometeorology</i> , 2003, 4, 121-137.	1.9	21
47	Effects of reduced tillage on soil surface properties affecting wind erosion in semiarid fallow lands of Central Aragón. <i>European Journal of Agronomy</i> , 2000, 12, 191-199.	4.1	63
48	Saltation transport on a silt loam soil in northeast Spain. <i>Land Degradation and Development</i> , 1999, 10, 545-554.	3.9	28
49	Tillage effects on soil surface conditions and dust emission by wind erosion in semiarid Aragón (NE) Tj ETQq1 1 0.784314 rgBT /Over	5.6	58
50	Wind erosion in agricultural soils: an example of limited supply of particles available for erosion. <i>Catena</i> , 1998, 33, 17-28.	5.0	61
51	Growth, yield and water use efficiency of winter barley in response to conservation tillage in a semi-arid region of Spain. <i>Soil and Tillage Research</i> , 1997, 44, 35-54.	5.6	58
52	A comparison between seasonal changes in soil water storage and penetration resistance under conventional and conservation tillage systems in Aragón. <i>Soil and Tillage Research</i> , 1996, 37, 251-271.	5.6	53
53	Efficiency of an Incomplete Block Design Based on Geostatistics for Tillage Experiments. <i>Soil Science Society of America Journal</i> , 1995, 59, 1104-1111.	2.2	23
54	Long-term effect of no-tillage on soil organic matter fractions in rainfed Aragon (NE Spain) .. <i>Spanish Journal of Soil Science</i> , 0, 1, .	0.0	1