Robert Lascano

List of Publications by Year
in descending order

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72	2,222	201674	243625
papers	citations	27	44
		h-index	g-index

72	72	72	1936
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Soil Material, Temperature, and Salinity Effects on Calibration of Multisensor Capacitance Probes. Soil Science Society of America Journal, 2000, 64, 1940-1946.	2.2	135
2	Soil and canopy energy balances in a west Texas vineyard. Agricultural and Forest Meteorology, 1994, 71, 99-114.	4.8	122
3	THE SPATIAL SENSITIVITY OF TIME-DOMAIN REFLECTOMETRY. Soil Science, 1989, 147, 378-384.	0.9	105
4	Determination of soil water evaporation and transpiration from energy balance and stem flow measurements. Agricultural and Forest Meteorology, 1990, 52, 287-301.	4.8	99
5	Energy and Water Balance of a Sparse Crop: Simulated and Measured Soil and Crop Evaporation. Soil Science Society of America Journal, 1987, 51, 1113-1121.	2.2	98
6	Spatial and Temporal Variability of Corn Growth and Grain Yield. Crop Science, 2002, 42, 1564-1576.	1.8	77
7	Multispectral Reflectance of Cotton Related to Plant Growth, Soil Water and Texture, and Site Elevation. Agronomy Journal, 2001, 93, 1327-1337.	1.8	76
8	Spatial and Temporal Variation of Soil Nitrogen Parameters Related to Soil Texture and Corn Yield. Agronomy Journal, 2005, 97, 772-782.	1.8	73
9	Simulation and Measurement of Evaporation from a Bare Soil. Soil Science Society of America Journal, 1986, 50, 1127-1133.	2.2	71
10	Rain Infiltration as Affected by Wheat Residue Amount and Distribution in Ridged Tillage. Soil Science Society of America Journal, 1996, 60, 1908-1913.	2.2	67
11	Microbial Community Composition as Affected by Dryland Cropping Systems and Tillage in a Semiarid Sandy Soil. Diversity, 2010, 2, 910-931.	1.7	66
12	Effects of trellising on the energy balance of a vineyard. Agricultural and Forest Meteorology, 1996, 81, 79-93.	4.8	65
13	A General System to Measure and Calculate Daily Crop Water Use. Agronomy Journal, 2000, 92, 821-832.	1.8	65
14	Inâ€Season Nitrogen Status Sensing in Irrigated Cotton. Soil Science Society of America Journal, 2003, 67, 1439-1448.	2.2	65
15	Dryland cropping systems influence the microbial biomass and enzyme activities in a semiarid sandy soil. Biology and Fertility of Soils, 2011, 47, 655-667.	4.3	60
16	ENWATBAL.BAS: a Mechanistic Evapotranspiration Model Written in Compiled Basic. Agronomy Journal, 1993, 85, 763-772.	1.8	57
17	Soil water content on drip irrigated cotton: comparison of measured and simulated values obtained with the Hydrus 2-D model. Irrigation Science, 2012, 30, 259-273.	2.8	54
18	Effects of crop residue on soil and plant water evaporation in a dryland cotton system. Theoretical and Applied Climatology, 1996, 54, 69-84.	2.8	48

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19	Cotton Irrigation Management with LEPA Systems. Transactions of the American Society of Agricultural Engineers, 1992, 35, 879-884.	0.9	44
20	Apparent Electrical Conductivity, Soil Properties and Spatial Covariance in the U.S. Southern High Plains. Precision Agriculture, 2005, 6, 297-311.	6.0	44
21	Experimental verification of a mechanistic model to partition evapotranspiration into soil water and plant evaporation. Agricultural and Forest Meteorology, 1999, 93, 79-93.	4.8	42
22	Interactions of water, mulch and nitrogen on sorghum in Niger. Plant and Soil, 1997, 197, 119-126.	3.7	33
23	Explicit and Recursive Calculation of Potential and Actual Evapotranspiration. Agronomy Journal, 2007, 99, 585-590.	1.8	33
24	Cotton Canopy Reflectance at Landscape Scale as Affected by Nitrogen Fertilization. Agronomy Journal, 2005, 97, 654-660.	1.8	32
25	Root Water Uptake and Soil Water Distribution: Test of an Availability Concept. Soil Science Society of America Journal, 1984, 48, 233-237.	2.2	31
26	Title is missing!. Precision Agriculture, 2000, 2, 359-376.	6.0	28
27	Title is missing!. Precision Agriculture, 2002, 3, 389-406.	6.0	28
28	Spatial Variability of Evaporation along Two Transects of a Bare Soil. Soil Science Society of America Journal, 1992, 56, 341-346.	2.2	27
29	PHYSICAL AND HYDRAULIC PROPERTIES OF A CALCIC HORIZON. Soil Science, 1993, 155, 368-375.	0.9	24
30	Water Budget and Yield of Dryland Cotton Intercropped with Terminated Winter Wheat. Agronomy Journal, 1999, 91, 922-927.	1.8	22
31	Irrigated cotton lint yields as affected by phosphorus fertilizer and landscape position. Communications in Soil Science and Plant Analysis, 2001, 32, 1959-1967.	1.4	22
32	TEST AND ANALYSIS OF A MODEL OF WATER USE BY SORGHUM1. Soil Science, 1984, 137, 443-456.	0.9	20
33	Bare Fallowing on Sandy Fields of Niger, West Africa. Soil Science Society of America Journal, 1990, 54, 1079-1084.	2.2	20
34	Modification of the GRAMI Model for Cotton. Agronomy Journal, 2005, 97, 1374-1379.	1.8	20
35	Rainwater use by irrigated cotton measured with stable isotopes of water. Agricultural Water Management, 2015, 158, 17-25.	5.6	20
36	Aerodynamic conductances at the soil surface in a vineyard. Agricultural and Forest Meteorology, 1996, 79, 29-37.	4.8	19

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37	Canopy Gas Exchange Measurements of Cotton in an Open System. Agronomy Journal, 2009, 101, 52-59.	1.8	19
38	Evaporation from Ridge-Tilled Soil Covered with Herbicide-Killed Winter Wheat. Soil Science Society of America Journal, 1992, 56, 1278-1286.	2.2	18
39	Deficit irrigation for enhancing sustainable water use: Comparison of cotton nitrogen uptake and prediction of lint yield in a multivariate autoregressive state-space model. Environmental and Experimental Botany, 2011, 71, 224-231.	4.2	18
40	Production and Water Use Efficiency of Three Old World Bluestems. Crop Science, 2007, 47, 787-794.	1.8	16
41	Determining Cotton Water Use in a Semiarid Climate with the GOSSYM Cotton Simulation Model. Agronomy Journal, 1996, 88, 740-745.	1.8	15
42	Evaluation of hydraulic lift in cotton (Gossypium hirsutum L.) germplasm. Environmental and Experimental Botany, 2010, 68, 26-30.	4.2	15
43	Computerâ€Controlled Variable Intensity Rain Simulator. Soil Science Society of America Journal, 1997, 61, 1182-1189.	2.2	14
44	A Field Test of Recursive Calculation of Crop Evapotranspiration. Transactions of the ASABE, 2010, 53, 1117-1126.	1.1	13
45	Comparison of deficit irrigation scheduling methods that use canopy temperature measurements. Plant Biosystems, 2013, 147, 40-49.	1.6	13
46	Field Evaluation of Open System Chambers for Measuring Whole Canopy Gas Exchanges. Agronomy Journal, 2014, 106, 537-544.	1.8	13
47	Spatial Variability of Soil Hydraulics and Remotely Sensed Soil Parameters. Soil Science Society of America Journal, 1982, 46, 223-228.	2.2	11
48	Temporal and spatial simulation of production-scale irrigated cotton systems. Precision Agriculture, 2015, 16, 630-653.	6.0	10
49	Ogallala Aquifer Program: A Catalyst for Research and Education to Sustain the Ogallala Aquifer on the Southern High Plains (2003â€“2017). Journal of Contemporary Water Research and Education, 2017, 162, 4-17.	0.7	10
50	Novel methodology to evaluate and compare evapotranspiration algorithms in an agroecosystem model. Environmental Modelling and Software, 2019, 119, 214-227.	4.5	10
51	Irrigation Analysis Based on Long-Term Weather Data. Agriculture (Switzerland), 2016, 6, 42.	3.1	9
52	Scaling and the Effects of Plant, Soil, and Landscape Characteristics on Sap-Feeding Herbivores in Cotton. Environmental Entomology, 2005, 34, 75-86.	1.4	8
53	Sand Abrasion Injury and Biomass Partitioning in Cotton Seedlings. Agronomy Journal, 2009, 101, 1297-1303.	1.8	8
54	Suitability of Eastern Gamagrass for In Situ Precipitation Catchment Forage Production in Playas. Agronomy Journal, 2013, 105, 907-914.	1.8	7

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55	Carbon Dioxide Control in an Open System that Measures Canopy Gas Exchanges. Agronomy Journal, 2014, 106, 789-792.	1.8	7
56	Cotton Water Use Efficiency under Two Different Deficit Irrigation Scheduling Methods. Agronomy, 2015, 5, 363-373.	3.0	7
57	Rainwater use by cotton under subsurface drip and center pivot irrigation. Agricultural Water Management, 2019, 215, 1-7.	5.6	7
58	Measurement and modelling of photosynthetic response of pearl millet to soil phosphorus addition. Plant and Soil, 1996, 184, 67-73.	3.7	6
59	Modifying polymer flocculants for the removal of inorganic phosphate from water. Tetrahedron Letters, 2011, 52, 5241-5244.	1.4	6
60	Evaluation of a Landscape-Scale Approach to Cotton Modeling. Agronomy Journal, 2014, 106, 2263-2279.	1.8	6
61	Circular Planting to Enhance Rainfall Capture in Dryland Cropping Systems at a Landscape Scale: Measurement and Simulation. Advances in Agricultural Systems Modeling, 0, , 85-111.	0.3	6
62	Analysis of Coaxial Soil Cell in Reflection and Transmission. Sensors, 2011, 11, 2592-2610.	3.8	5
63	Single- and Dual-Surface Iterative Energy Balance Solutions for Reference ET. Transactions of the ASABE, 2012, 55, 533-541.	1.1	5
64	Fringe Capacitance Correction for a Coaxial Soil Cell. Sensors, 2011, 11, 757-770.	3.8	4
65	Syntheses of the Current Model Applications for Managing Water and Needs for Experimental Data and Model Improvements to Enhance these Applications. Advances in Agricultural Systems Modeling, 0, , 399-437.	0.3	4
66	Comments on â€œJ. Singh et al., Performance assessment of factory and field calibrations for electromagnetic sensors in a loam soilâ€•[Agric. Water Manage. 196 (2018) 87â€“98]. Agricultural Water Management, 2018, 203, 236-239.	5.6	4
67	CO₂and Chamber Effects on Epidermal Development in Field-Grown Peanut (<i>Arachis hypogaea</i> L.). American Journal of Plant Sciences, 2017, 08, 349-362.	0.8	4
68	A Simple Method for Predicting the Spatial Distribution of Soil Hydraulic Properties. Soil Science Society of America Journal, 1993, 57, 1479-1484.	2.2	3
69	The Effect of Solar Loading on Soil Temperatures and Developmental Variation in Greenhouse Studies. Agronomy Journal, 2012, 104, 388-392.	1.8	3
70	Field Measurement of Cotton Seedling Evapotranspiration. Agricultural Sciences, 2014, 05, 1237-1252.	0.3	3
71	Water Balance of Two Major Soil Types of the Texas High Plains: Implications for Dryland Crop Production. Open Journal of Soil Science, 2020, 10, 274-297.	0.8	3
72	Systematic Errors Introduced into Sorghum Grain Yield Data: Does the Multiseed (<i>msd</i>) Trait Increase Sorghum Seed Yield?. American Journal of Plant Sciences, 2019, 10, 1503-1516.	0.8	0