Steven Evett

List of Publications by Citations

190 papers	5,455 citations	43 h-index	67 g-index
201 ext. papers	6,180 ext. citations	2.7 avg, IF	5.68 L-index

#	Paper	IF	Citations
190	ET mapping for agricultural water management: present status and challenges. *Irrigation Science*, **2008**, 26, 223-237	3.1	252
189	Validating the FAO AquaCrop Model for Irrigated and Water Deficient Field Maize. *Agronomy Journal*, **2009**, 101, 488-498	2.2	224
188	Soil Profile Water Content Determination: Sensor Accuracy, Axial Response, Calibration, Temperature Dependence, and Precision. *Vadose Zone Journal*, **2006**, 5, 894-907	2.7	156
187	Precision of Neutron Scattering and Capacitance Type Soil Water Content Gauges from Field Calibration. *Soil Science Society of America Journal*, **1995**, 59, 961-968	2.5	136
186	Water use efficiency of irrigated cotton in Uzbekistan under drip and furrow irrigation. *Agricultural Water Management*, **2007**, 90, 112-120	5.9	132
185	Evapotranspiration of Full-, Deficit-Irrigated, and Dryland Cotton on the Northern Texas High Plains. *Journal of Irrigation and Drainage Engineering - ASCE*, **2004**, 130, 277-285	1.1	130
184	Hydrological consequences of landscape fragmentation in mountainous northern Vietnam: evidence of accelerated overland flow generation. *Journal of Hydrology*, **2004**, 287, 124-146	6	129
183	The Bowen ratio-energy balance method for estimating latent heat flux of irrigated alfalfa evaluated in a semi-arid, advective environment. *Agricultural and Forest Meteorology*, **2000**, 103, 335-348	5.8	128
182	Evapotranspiration, Yield, and Water Use Efficiency of Corn Hybrids Differing in Maturity. *Agronomy Journal*, **1998**, 90, 3-9	2.2	125
181	Two-source energy balance model estimates of evapotranspiration using component and composite surface temperatures. *Advances in Water Resources*, **2012**, 50, 134-151	4.7	118
180	Soil Material, Temperature, and Salinity Effects on Calibration of Multisensor Capacitance Probes. *Soil Science Society of America Journal*, **2000**, 64, 1940-1946	2.5	105
179	Soil hydraulic properties of cropland compared with reestablished and native grassland. *Geoderma*, **2003**, 116, 47-60	6.7	102
178	Can weighing lysimeter ET represent surrounding field ET well enough to test flux station measurements of daily and sub-daily ET?. *Advances in Water Resources*, **2012**, 50, 79-90	4.7	92
177	Soil water sensing for water balance, ET and WUE. *Agricultural Water Management*, **2012**, 104, 1-9	5.9	88
176	Soil Profile Water Content Determination: Spatiotemporal Variability of Electromagnetic and Neutron Probe Sensors in Access Tubes. *Vadose Zone Journal*, **2009**, 8, 926-941	2.7	88
175	Mapping daily evapotranspiration at Landsat spatial scales during the BEAREX08 field campaign. *Advances in Water Resources*, **2012**, 50, 162-177	4.7	87
174	Overview of the Bushland Evapotranspiration and Agricultural Remote sensing EXperiment 2008 (BEAREX08): A field experiment evaluating methods for quantifying ET at multiple scales. *Advances in Water Resources*, **2012**, 50, 4-19	4.7	85

173	SEASONAL AND MAXIMUM DAILY EVAPOTRANSPIRATION OF IRRIGATED WINTER WHEAT, SORGHUM, AND CORN ? SOUTHERN HIGH PLAINS. *Transactions of the American Society of Agricultural Engineers*, **1997**, 40, 623-634		75
172	A crop water stress index and time threshold for automatic irrigation scheduling of grain sorghum. *Agricultural Water Management*, **2012**, 107, 122-132	5.9	74
171	Comparison of Five Models to Scale Daily Evapotranspiration from One-Time-of-Day Measurements. *Transactions of the ASABE*, **2006**, 49, 1409-1417	0.9	74
170	Canopy temperature based system effectively schedules and controls center pivot irrigation of cotton. *Agricultural Water Management*, **2010**, 97, 1310-1316	5.9	72
169	Advances in Soil Water Content Sensing: The Continuing Maturation of Technology and Theory. *Vadose Zone Journal*, **2005**, 4, 986-991	2.7	72
168	Using radiation thermography and thermometry to evaluate crop water stress in soybean and cotton. *Agricultural Water Management*, **2011**, 98, 1523-1535	5.9	70
167	SUBSURFACE AND SURFACE MICROIRRIGATION OF CORN ?SOUTHERN HIGH PLAINS. *Transactions of the American Society of Agricultural Engineers*, **1997**, 40, 635-641		68
166	Time Domain Reflectometry Laboratory Calibration in Travel Time, Bulk Electrical Conductivity, and Effective Frequency. *Vadose Zone Journal*, **2005**, 4, 1020-1029	2.7	68
165	On the discrepancy between eddy covariance and lysimetry-based surface flux measurements under strongly advective conditions. *Advances in Water Resources*, **2012**, 50, 62-78	4.7	67
164	Wall Material and Capping Effects on Microlysimeter Temperatures and Evaporation. *Soil Science Society of America Journal*, **1995**, 59, 329-336	2.5	66
163	Evaporative loss from irrigated interrows in a highly advective semi-arid agricultural area. *Advances in Water Resources*, **2012**, 50, 20-30	4.7	65
162	Morphological and Physiological Traits Associated with Canopy Temperature Depression in Three Closely Related Wheat Lines. *Crop Science*, **2008**, 48, 1897-1910	2.4	65
161	Evapotranspiration of Irrigated Winter Wheat ? Southern High Plains. *Transactions of the American Society of Agricultural Engineers*, **1995**, 38, 745-759		63
160	Automation of a Center Pivot Using the Temperature-Time-Threshold Method of Irrigation Scheduling. *Journal of Irrigation and Drainage Engineering - ASCE*, **2008**, 134, 286-291	1.1	60
159	Canopy Temperature Depression Sampling to Assess Grain Yield and Genotypic Differentiation in Winter Wheat. *Crop Science*, **2007**, 47, 1518-1529	2.4	59
158	Nighttime Evapotranspiration from Alfalfa and Cotton in a Semiarid Climate. *Agronomy Journal*, **2006**, 98, 730-736	2.2	56
157	THE TACQ COMPUTER PROGRAM FOR AUTOMATIC TIME DOMAIN REFLECTOMETRY MEASUREMENTS: II. WAVEFORM INTERPRETATION METHODS. *Transactions of the American Society of Agricultural Engineers*, **2000**, 43, 1947-1956		55
156	A Depth Control Stand for Improved Accuracy with the Neutron Probe. *Vadose Zone Journal*, **2003**, 2, 642-649	2.7	53

155	Evaluating the two-source energy balance model using local thermal and surface flux observations in a strongly advective irrigated agricultural area. *Advances in Water Resources*, **2012**, 50, 120-133	4.7	52
154	Complex Permittivity Model for Time Domain Reflectometry Soil Water Content Sensing: I. Theory. *Soil Science Society of America Journal*, **2009**, 73, 886-897	2.5	52
153	Evapotranspiration and Yield of Corn Grown on Three High Plains Soils. *Agronomy Journal*, **1998**, 90, 447-454	2.2	52
152	Remote Sensing Based Energy Balance Algorithms for Mapping ET: Current Status and Future Challenges. *Transactions of the ASABE*, **2007**, 50, 1639-1644	0.9	49
151	Dynamic prescription maps for site-specific variable rate irrigation of cotton. *Agricultural Water Management*, **2015**, 159, 123-138	5.9	48
150	Soil profile method for soil thermal diffusivity, conductivity and heat flux: Comparison to soil heat flux plates. *Advances in Water Resources*, **2012**, 50, 41-54	4.7	46
149	THE TACQ COMPUTER PROGRAM FOR AUTOMATIC TIME DOMAIN REFLECTOMETRY MEASUREMENTS: I. DESIGN AND OPERATING CHARACTERISTICS. *Transactions of the American Society of Agricultural Engineers*, **2000**, 43, 1939-1946		44
148	ENWATBAL.BAS: a Mechanistic Evapotranspiration Model Written in Compiled Basic. *Agronomy Journal*, **1993**, 85, 763-772	2.2	43
147	Introduction: Can Water Use Efficiency Be Modeled Well Enough to Impact Crop Management?. *Agronomy Journal*, **2009**, 101, 423-425	2.2	42
146	COMPARISON OF SDI, LEPA, AND SPRAY IRRIGATION PERFORMANCE FOR GRAIN SORGHUM. *Transactions of the American Society of Agricultural Engineers*, **2004**, 47, 1477-1492		42
145	The Soil Moisture Active Passive Marena, Oklahoma, In Situ Sensor Testbed (SMAP-MOISST): Testbed Design and Evaluation of In Situ Sensors. *Vadose Zone Journal*, **2016**, 15, 1-11	2.7	42
144	Applications of a thermal-based two-source energy balance model using Priestley-Taylor approach for surface temperature partitioning under advective conditions. *Journal of Hydrology*, **2016**, 540, 574-587	6	42
143	Simulation of crop evapotranspiration and crop coefficients with data in weighing lysimeters. *Agricultural Water Management*, **2016**, 177, 274-283	5.9	42
142	Soil water content estimation using a remote sensing based hybrid evapotranspiration modeling approach. *Advances in Water Resources*, **2012**, 50, 152-161	4.7	40
141	Estimating Hydraulic Properties of a Fine-textured Soil Using a Disc Infiltrometer. *Soil Science Society of America Journal*, **2002**, 66, 1409-1423	2.5	40
140	Effects of Wheat streak mosaic virus on Root Development and Water-Use Efficiency of Hard Red Winter Wheat. *Plant Disease*, **2010**, 94, 766-770	1.5	36
139	Evaluation of a wireless infrared thermometer with a narrow field of view. *Computers and Electronics in Agriculture*, **2011**, 76, 59-68	6.5	35
138	Advection Influences on Evapotranspiration of Alfalfa in a Semiarid Climate. *Agronomy Journal*, **2006**, 98, 1646-1654	2.2	35

137	Radiation Model for Row Crops: I. Geometric View Factors and Parameter Optimization. *Agronomy Journal*, **2012**, 104, 225-240	2.2	31
136	Yield and water use of drought-tolerant maize hybrids in a semiarid environment. *Field Crops Research*, **2018**, 216, 1-9	5.5	31
135	Field Calibration Accuracy and Utility of Four Down-Hole Water Content Sensors. *Vadose Zone Journal*, **2008**, 7, 992-1000	2.7	27
134	Modeling Diurnal Canopy Temperature Dynamics Using One-Time-of-Day Measurements and a Reference Temperature Curve. *Agronomy Journal*, **2004**, 96, 1553-1561	2.2	27
133	Complex Permittivity Model for Time Domain Reflectometry Soil Water Content Sensing: II. Calibration. *Soil Science Society of America Journal*, **2009**, 73, 898-909	2.5	26
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131	Calibration and Validation of the SWAT Model for Predicting Daily ET over Irrigated Crops in the Texas High Plains Using Lysimetric Data. *Transactions of the ASABE*, **2016**, 59, 611-622	0.9	25
130	Evapotranspiration, water productivity and crop coefficients for irrigated sunflower in the U.S. Southern High Plains. *Agricultural Water Management*, **2015**, 162, 33-46	5.9	23
129	Developing Wireless Sensor Networks for Monitoring Crop Canopy Temperature Using a Moving Sprinkler System as a Platform. *Applied Engineering in Agriculture*, **2010**, 26, 331-341	0.8	23
128	COAXIAL MULTIPLEXER FOR TIME DOMAIN REFLECTOMETRY MEASUREMENT OF SOILWATER CONTENT AND BULK ELECTRICAL CONDUCTIVITY. *Transactions of the American Society of Agricultural Engineers*, **1998**, 41, 361-369		23
127	Estimating Evapotranspiration for Dryland Cropping Systems in the Semiarid Texas High Plains Using SWAT. *Journal of the American Water Resources Association*, **2016**, 52, 298-314	2.1	23
126	Estimation of surface energy fluxes using surface renewal and flux variance techniques over an advective irrigated agricultural site. *Advances in Water Resources*, **2012**, 50, 91-105	4.7	22
125	Spatial and Temporal Analysis of Crop Conditions Using Multiple Canopy Temperature Maps Created with Center-Pivot-Mounted Infrared Thermometers. *Transactions of the ASABE*, **2007**, 50, 919-927	0.9	22
124	Constraints on water use efficiency of drought tolerant maize grown in a semi-arid environment. *Field Crops Research*, **2016**, 186, 66-77	5.5	21
123	ASIMPLIFIED WEIGHING LYSIMETER FOR MONOLITHIC OR RECONSTRUCTED SOILS. *Applied Engineering in Agriculture*, **1998**, 14, 267-273	0.8	21
122	Energy Balance Model of Spatially Variable Evaporation from Bare Soil. *Soil Science Society of America Journal*, **1994**, 58, 1604	2.5	21
121	Crop response of drought-tolerant and conventional maize hybrids in a semiarid environment. *Irrigation Science*, **2016**, 34, 231-244	3.1	20
120	Hydra Probe and Twelve-Wire Probe Comparisons in Fluids and Soil Cores. *Soil Science Society of America Journal*, **2010**, 74, 5-12	2.5	20

119	Simulation of winter wheat evapotranspiration in Texas and Henan using three models of differing complexity. *Agricultural Water Management*, **2009**, 96, 167-178	5.9	20
118	Identifying Advantages and Disadvantages of Variable Rate Irrigation: An Updated Review. *Applied Engineering in Agriculture*, **2019**, 35, 837-852	0.8	20
117	SOIL TEMPERATURE AND WATER EVAPORATION OF SMALL STEEL AND PLASTIC LYSIMETERS REPLACED DAILY. *Soil Science*, **2000**, 165, 890-895	0.9	19
116	Irrigation challenges in the sub-humid US Mid-South. *International Journal of Water*, **2014**, 8, 259	0.9	18
115	Development of a wireless computer vision instrument to detect biotic stress in wheat. *Sensors*, **2014**, 14, 17753-69	3.8	18
114	Measured and Simulated Surface Soil Drying. *Agronomy Journal*, **1995**, 87, 235-244	2.2	18
113	Soil heat flux calculation for sunlit and shaded surfaces under row crops: 1. Model development and sensitivity analysis. *Agricultural and Forest Meteorology*, **2016**, 216, 115-128	5.8	17
112	Evaluation of Sensible Heat Flux and Evapotranspiration Estimates Using a Surface Layer Scintillometer and a Large Weighing Lysimeter. *Sensors*, **2017**, 17,	3.8	17
111	Opportunities for woody crop production using treated wastewater in Egypt. I. Afforestation strategies. *International Journal of Phytoremediation*, **2011**, 13 Suppl 1, 102-21	3.9	17
110	Intercomparison of Nine Micrometeorological Stations during the BEAREX08 Field Campaign. *Journal of Atmospheric and Oceanic Technology*, **2011**, 28, 1390-1406	2	17
109	Length and Slope Effects on Runoff from Sodium Dispersed, Compacted Earth Microcatchments. *Soil Science Society of America Journal*, **1985**, 49, 734-738	2.5	17
108	Crop evapotranspiration calculation using infrared thermometers aboard center pivots. *Agricultural Water Management*, **2017**, 187, 173-189	5.9	16
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106	Lower Limits of Crop Water Use in Three Soil Textural Classes. *Soil Science Society of America Journal*, **2012**, 76, 607-616	2.5	16
105	Evaluation of a Direct-Coupled Time-Domain Reflectometry for Determination of Soil Water Content and Bulk Electrical Conductivity. *Vadose Zone Journal*, **2016**, 15, 1-8	2.7	16
104	Evaluation of Evapotranspiration from Eddy Covariance Using Large Weighing Lysimeters. *Agronomy*, **2019**, 9, 99	3.6	15
103	Soil heat flux variability influenced by row direction in irrigated cotton. *Advances in Water Resources* , **2012**, 50, 31-40	4.7	15
102	Radiation Model for Row Crops: II. Model Evaluation. *Agronomy Journal*, **2012**, 104, 241-255	2.2	15

101	Comparison of aerodynamic and radiometric surface temperature using precision weighing lysimeters **2004**,		15
100	Climatic influence on residue decomposition prediction in the Wind Erosion Prediction System. *Theoretical and Applied Climatology*, **1996**, 54, 5-16	3	15
99	Using an integrated crop water stress index for irrigation scheduling of two corn hybrids in a semi-arid region. *Irrigation Science*, **2017**, 35, 451-467	3.1	14
98	Radiometer Footprint Model to Estimate Sunlit and Shaded Components for Row Crops. *Agronomy Journal*, **2010**, 102, 942-955	2.2	14
97	A Weighing Lysimeter for Crop Water Use Determination in the Jordan Valley, Jordan. *Transactions of the ASABE*, **2009**, 52, 155-169	0.9	14
96	Crop Coefficients Developed at Bushland, Texas for Corn, Wheat, Sorghum, Soybean, Cotton, and Alfalfa **2006**,		14
95	Allometric Method to Estimate Leaf Area Index for Row Crops. *Agronomy Journal*, **2017**, 109, 883-894	2.2	13
94	Simulating Evapotranspiration and Yield Response of Selected Corn Varieties under Full and Limited Irrigation in the Texas High Plains Using DSSAT-CERES-Maize. *Transactions of the ASABE*, **2017**, 60, 837-846	0.9	13
93	Resolving discrepancies between laboratory-determined field capacity values and field water content observations: implications for irrigation management. *Irrigation Science*, **2019**, 37, 751-759	3.1	13
92	Two-Source Energy Balance Model: Refinements and Lysimeter Tests in the Southern High Plains. *Transactions of the ASABE*, **2012**, 55, 551-562	0.9	13
91	Grain Sorghum Response to Irrigation Scheduling with the Time-Temperature Threshold Method and Deficit Irrigation Levels. *Transactions of the ASABE*, **2012**, 55, 451-461	0.9	13
90	Grain sorghum growth, water use, and yield in contrasting soils. *Agricultural Water Management*, **1997**, 35, 29-42	5.9	13
89	Neutron Moisture Meter Calibration in Six Soils of Uzbekistan Affected by Carbonate Accumulation. *Vadose Zone Journal*, **2007**, 6, 406-412	2.7	13
88	AN EVAPOTRANSPIRATION RESEARCH FACILITY FOR SOIL-PLANT-ENVIRONMENT INTERACTIONS. *Applied Engineering in Agriculture*, **2005**, 21, 993-998	0.8	13
87	Estimating preseason irrigation losses by characterizing evaporation of effective precipitation under bare soil conditions using large weighing lysimeters. *Agricultural Water Management*, **2016**, 169, 115-128	5.9	13
86	Heat storage and its effect on the surface energy balance closure under advective conditions. *Agricultural and Forest Meteorology*, **2019**, 265, 56-69	5.8	13
85	Quantifying variability in field-scale evapotranspiration measurements in an irrigated agricultural region under advection. *Irrigation Science*, **2015**, 33, 325-338	3.1	12
84	Field-Measured, Hourly Soil Water Evaporation Stages in Relation to Reference Evapotranspiration Rate and Soil to Air Temperature Ratio. *Vadose Zone Journal*, **2015**, 14, vzj2014.07.0079	2.7	12

83	Advances in a Two-Source Energy Balance Model: Partitioning of Evaporation and Transpiration for Cotton. *Transactions of the ASABE*, **2016**, 59, 181-197	0.9	12
82	Soil heat flux calculation for sunlit and shaded surfaces under row crops: 2. Model test. *Agricultural and Forest Meteorology*, **2016**, 216, 129-140	5.8	11
81	Design of Access-Tube TDR Sensor for Soil Water Content: Theory. *IEEE Sensors Journal*, **2012**, 12, 1979-1986	4	11
80	Surface soil water content spatial organization within irrigated and non-irrigated agricultural fields. *Advances in Water Resources*, **2012**, 50, 55-61	4.7	11
79	Residue Management Effects on Water Use and Yield of Deficit Irrigated Corn. *Agronomy Journal*, **2013**, 105, 1035-1044	2.2	11
78	Residue Management Effects on Water Use and Yield of Deficit Irrigated Cotton. *Agronomy Journal*, **2013**, 105, 1026-1034	2.2	10
77	Permanent Beds vs. Conventional Tillage in Irrigated Arid Central Asia. *Agronomy Journal*, **2011**, 103, 1002-1011	2.2	10
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74	A Field Test of Recursive Calculation of Crop Evapotranspiration. *Transactions of the ASABE*, **2010**, 53, 1117-1126	0.9	9
73	Remote sensing of contrasting tillage practices in the Texas Panhandle. *International Journal of Remote Sensing*, **2008**, 29, 3477-3487	3.1	9
72	Lysimetry versus Neutron Moisture Meter for Evapotranspiration Determination in Four Soils. *Soil Science Society of America Journal*, **2009**, 73, 1693-1698	2.5	9
71	SOIL TEMPERATURE UNDER A DORMANT BERMUDAGRASS MULCH: SIMULATION AND MEASUREMENT. *Transactions of the American Society of Agricultural Engineers*, **2004**, 47, 91-98		9
70	Effect of Slope and Rainfall Intensity on Erosion from Sodium Dispersed, Compacted Earth Microcatchments. *Soil Science Society of America Journal*, **1985**, 49, 202-206	2.5	9
69	Opportunities for woody crop production using treated wastewater in Egypt. II. Irrigation strategies. *International Journal of Phytoremediation*, **2011**, 13 Suppl 1, 122-39	3.9	8
68	A Depth Control Stand for Improved Accuracy with the Neutron Probe. *Vadose Zone Journal*, **2003**, 2, 642	2.7	8
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66	Precision Agriculture and Irrigation: Current U.S. Perspectives. *Transactions of the ASABE*, **2020**, 63, 57-67	0.9	7

65	Novel methodology to evaluate and compare evapotranspiration algorithms in an agroecosystem model. *Environmental Modelling and Software*, **2019**, 119, 214-227	5.2	7
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63	Evapotranspiration of Corn and Forage Sorghum for Silage **2008**,		7
62	USING LOW-COST GPS RECEIVERS FOR DETERMINING FIELD POSITION OF MECHANIZED IRRIGATION SYSTEMS. *Applied Engineering in Agriculture*, **2005**, 21, 841-845	0.8	7
61	Contrasting tillage effects on stored soil water, infiltration and evapotranspiration fluxes in a dryland rotation at two locations. *Soil and Tillage Research*, **2019**, 190, 157-174	6.5	6
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59	Soil Water and Monitoring Technology. *Agronomy*, **2015**, 23-84	0.8	6
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57	Past, Present, and Future of Irrigation on the U.S. Great Plains. *Transactions of the ASABE*, **2020**, 63, 703-729	0.9	6
56	Energy Imbalance and Evapotranspiration Hysteresis Under an Advective Environment: Evidence From Lysimeter, Eddy Covariance, and Energy Balance Modeling. *Geophysical Research Letters*, **2021**, 48,	4.9	6
55	Shoot and root traits in drought tolerant maize (Zea mays L.) hybrids. *Journal of Integrative Agriculture*, **2018**, 17, 1093-1105	3.2	6
54	Increased Bias in Evapotranspiration Modeling Due to Weather and Vegetation Indices Data Sources. *Agronomy Journal*, **2019**, 111, 1407-1424	2.2	5
53	Evaluation of a Landscape-Scale Approach to Cotton Modeling. *Agronomy Journal*, **2014**, 106, 2263-2279	2.2	5
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49	Quality Management for Research Weather Data: USDA-ARS, Bushland, TX **2018**, 1, 1-18		5
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47	Perspectives on Global Water Security. *Transactions of the ASABE*, **2020**, 63, 69-80	0.9	3
46	Calibration and Tests of Commercial Wireless Infrared Thermometers. *Applied Engineering in Agriculture*, **2018**, 34, 647-658	0.8	3
45	Comments on I. Singh et al., Performance assessment of factory and field calibrations for electromagnetic sensors in a loam soil[Agric. Water Manage. 196 (2018) 87-98]. *Agricultural Water Management*, **2018**, 203, 236-239	5.9	3
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42	Discussion of Soil Moisture Measurements: Comparison of Instrumentation Performances by Ventura Francesca, Facini Osvaldo, Piana Stefano, and Rossi Pisa Paola. *Journal of Irrigation and Drainage Engineering - ASCE*, **2011**, 137, 466-468	1.1	3
41	Fringe capacitance correction for a coaxial soil cell. *Sensors*, **2011**, 11, 757-70	3.8	3
40	Are Crop Coefficients for SDI Different from Those for Sprinkler Irrigation Application?. *Transactions of the ASABE*, **2020**, 63, 1233-1242	0.9	3
39	Response of Drought-Tolerant Corn to Varying Irrigation Levels in the Texas High Plains. *Transactions of the ASABE*, **2019**, 62, 1365-1375	0.9	3
38	Modeling Evapotranspiration and Crop Growth of Irrigated and Non-Irrigated Corn in the Texas High Plains Using RZWQM. *Transactions of the ASABE*, **2018**, 61, 1653-1666	0.9	3
37	Targeted, Precision Irrigation for Moving Platforms: Selected Papers from a Center Pivot Technology Transfer Effort. *Transactions of the ASABE*, **2019**, 62, 1409-1415	0.9	2
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34	Evaluation of a Two-Source Energy Balance Model in an Advective Environment **2006**, 1		2
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32	Evaluation of a Decision Support System for Variable-Rate Irrigation in a Humid Region. *Transactions of the ASABE*, **2020**, 63, 1207-1215	0.9	2
31	Theory and Development of a VRI Decision Support System: The USDA-ARS ISSCADA Approach. *Transactions of the ASABE*, **2020**, 63, 1507-1519	0.9	2
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27	Evapotranspiration of Deficit Irrigated Sorghum **2007**, 1		1
26	Shifting the odds of dryland farming: The career of B.A. Stewart. *Agronomy Journal*, **2020**, 112, 3254-3264	2.2	1
25	ARSPivot, A Sensor-Based Decision Support Software for Variable-Rate Irrigation Center Pivot Systems: Part B. Application. *Transactions of the ASABE*, **2020**, 63, 1535-1547	0.9	1
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