

Robert C Schwartz

List of Publications by Year in descending order

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73
papers

2,035
citations

257450

24
h-index

265206

42
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73
all docs

73
docs citations

73
times ranked

2057
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessing Indices for Predicting Potential Nitrogen Mineralization in Soils under Different Management Systems. Soil Science Society of America Journal, 2009, 73, 1575-1586.	2.2	128
2	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.	3.8	124
3	Soil water sensing for water balance, ET and WUE. Agricultural Water Management, 2012, 104, 1-9.	5.6	119
4	Soil hydraulic properties of cropland compared with reestablished and native grassland. Geoderma, 2003, 116, 47-60.	5.1	115
5	Does insight affect long-term inpatient treatment outcome in chronic schizophrenia?. Comprehensive Psychiatry, 1997, 38, 283-288.	3.1	110
6	Soil Profile Water Content Determination: Spatiotemporal Variability of Electromagnetic and Neutron Probe Sensors in Access Tubes. Vadose Zone Journal, 2009, 8, 926-941.	2.2	110
7	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.	3.8	72
8	Insight and illness in chronic schizophrenia. Comprehensive Psychiatry, 1998, 39, 249-254.	3.1	66
9	The relationship between insight, illness and treatment outcome in schizophrenia. Psychiatric Quarterly, 1998, 69, 1-22.	2.1	64
10	Complex Permittivity Model for Time Domain Reflectometry Soil Water Content Sensing: I. Theory. Soil Science Society of America Journal, 2009, 73, 886-897.	2.2	64
11	Therapists' differential countertransference reactions toward clients with major depression or borderline personality disorder. Journal of Clinical Psychology, 1998, 54, 923-931.	1.9	61
12	Soil Water Depletion and Root Distribution of Three Dryland Crops. Soil Science Society of America Journal, 2005, 69, 197-205.	2.2	54
13	Deficit irrigation effects on yield and yield components of grain sorghum. Agricultural Water Management, 2018, 203, 289-296.	5.6	44
14	Self-Awareness in Schizophrenia: Its Relationship to Depressive Symptomatology and Broad Psychiatric Impairments. Journal of Nervous and Mental Disease, 2001, 189, 401-403.	1.0	41
15	Estimating Hydraulic Properties of a Fine-textured Soil Using a Disc Infiltrometer. Soil Science Society of America Journal, 2002, 66, 1409-1423.	2.2	41
16	Boundary effects on solute transport in finite soil columns. Water Resources Research, 1999, 35, 671-681.	4.2	37
17	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.	2.2	37
18	Residue and Long-Term Tillage and Crop Rotation Effects on Simulated Rain Infiltration and Sediment Transport. Soil Science Society of America Journal, 2012, 76, 1370-1378.	2.2	35

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19	Soil Permittivity Response to Bulk Electrical Conductivity for Selected Soil Water Sensors. Vadose Zone Journal, 2013, 12, 1-13.	2.2	29
20	Constraints on water use efficiency of drought tolerant maize grown in a semi-arid environment. Field Crops Research, 2016, 186, 66-77.	5.1	29
21	Long-Term Effects of Profile-Modifying Deep Plowing on Soil Properties and Crop Yield. Soil Science Society of America Journal, 2008, 72, 677-682.	2.2	28
22	THE VERTICAL DISTRIBUTION OF A DYE TRACER IN A LAYERED SOIL. Soil Science, 1999, 164, 561-573.	0.9	28
23	Tillage and Cattle Grazing Effects on Soil Properties and Grain Yields in a Dryland Wheat-Sorghum-Fallow Rotation. Agronomy Journal, 2011, 103, 914-922.	1.8	27
24	Response to deficit irrigation of morphological, yield and fiber quality traits of upland (Gossypium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 249, 107759.	5.1	26
25	Symptomatology and Insight in Schizophrenia. Psychological Reports, 1998, 82, 227-233.	1.7	25
26	Phosphorus Extractability of Soils Amended with Stockpiled and Composted Cattle Manure. Journal of Environmental Quality, 2005, 34, 970-978.	2.0	24
27	Resolving discrepancies between laboratory-determined field capacity values and field water content observations: implications for irrigation management. Irrigation Science, 2019, 37, 751-759.	2.8	24
28	Critique of Recent Empirical Research on Insight and Symptomatology in Schizophrenia. Psychological Reports, 2000, 86, 471-474.	1.7	23
29	Cattle Gain and Crop Yield for a Dryland Wheat-Sorghum-Fallow Rotation. Agronomy Journal, 2009, 101, 150-158.	1.8	21
30	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.	4.8	21
31	Radiation Model for Row Crops: II. Model Evaluation. Agronomy Journal, 2012, 104, 241-255.	1.8	20
32	Mineralizable phosphorus, nitrogen, and carbon relationships in dairy manure at various carbon-to-phosphorus ratios. Bioresource Technology, 2010, 101, 3567-3574.	9.6	19
33	Soil Moisture Sensing via Swept Frequency Based Microwave Sensors. Sensors, 2012, 12, 753-767.	3.8	18
34	Time Domain Reflectometry Waveform Analysis with Second-Order Bounded Mean Oscillation. Soil Science Society of America Journal, 2014, 78, 1146-1152.	2.2	18
35	Changes in Soil Properties and Enzymatic Activities Following Manure Applications to a Rangeland. Rangeland Ecology and Management, 2006, 59, 314-320.	2.3	17
36	El Niño Southern Oscillation Effects on Dryland Crop Production in the Texas High Plains. Agronomy Journal, 2016, 108, 736-744.	1.8	17

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37	TIME-DEPENDENT PHOSPHORUS EXTRACTABILITY IN CALCIUM- AND IRON-TREATED HIGH-PHOSPHORUS SOILS. <i>Soil Science</i> , 2005, 170, 810-821.	0.9	16
38	Residue Management Effects on Water Use and Yield of Deficit Irrigated Cotton. <i>Agronomy Journal</i> , 2013, 105, 1026-1034.	1.8	16
39	Long-Term Changes in Soil Organic Carbon and Nitrogen under Semiarid Tillage and Cropping Practices. <i>Soil Science Society of America Journal</i> , 2015, 79, 1771-1781.	2.2	16
40	Effects of irrigation level and timing on profile soil water use by grain sorghum. <i>Agricultural Water Management</i> , 2020, 232, 106030.	5.6	15
41	Manure and Mineral Fertilizer Effects on Seasonal Dynamics of Bioactive Soil Phosphorus Fractions. <i>Agronomy Journal</i> , 2011, 103, 1724-1733.	1.8	14
42	Soil heat flux calculation for sunlit and shaded surfaces under row crops: 2. Model test. <i>Agricultural and Forest Meteorology</i> , 2016, 216, 129-140.	4.8	14
43	Estimation of Soil Water Balance Components Using an Iterative Procedure. <i>Vadose Zone Journal</i> , 2008, 7, 115-123.	2.2	13
44	Design of Access-Tube TDR Sensor for Soil Water Content: Theory. <i>IEEE Sensors Journal</i> , 2012, 12, 1979-1986.	4.7	13
45	Design of Access-Tube TDR Sensor for Soil Water Content: Testing. <i>IEEE Sensors Journal</i> , 2012, 12, 2064-2070.	4.7	12
46	Field-measured, Hourly Soil Water Evaporation Stages in Relation to Reference Evapotranspiration Rate and Soil to Air Temperature Ratio. <i>Vadose Zone Journal</i> , 2015, 14, 1-14.	2.2	12
47	Frequency Domain Probe Design for High Frequency Sensing of Soil Moisture. <i>Agriculture (Switzerland)</i> , 2016, 6, 60.	3.1	12
48	On the experience of shame in multicultural counselling: Implications for white counsellors-in-training. <i>British Journal of Guidance and Counselling</i> , 2002, 30, 311-318.	1.2	11
49	Countertransference Reactions toward Specific Client Populations: A Review of Empirical Literature. <i>Psychological Reports</i> , 2003, 92, 651-654.	1.7	11
50	Residue Management Effects on Water Use and Yield of Deficit Irrigated Corn. <i>Agronomy Journal</i> , 2013, 105, 1035-1044.	1.8	11
51	Theory and Development of a VRI Decision Support System: The USDA-ARS ISSCADA Approach. <i>Transactions of the ASABE</i> , 2020, 63, 1507-1519.	1.1	10
52	Effects of Manure Management on Phosphorus Biotransformations and Losses During Animal Production. <i>Soil Biology</i> , 2011, , 407-429.	0.8	10
53	Contrasting tillage effects on stored soil water, infiltration and evapotranspiration fluxes in a dryland rotation at two locations. <i>Soil and Tillage Research</i> , 2019, 190, 157-174.	5.6	9
54	A crop coefficient based water use model with non-uniform root distribution. <i>Agricultural Water Management</i> , 2020, 228, 105892.	5.6	8

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55	Crop Water Production Functions of Grain Sorghum and Winter Wheat in Kansas and Texas. <i>Journal of Contemporary Water Research and Education</i> , 2017, 162, 42-60.	0.7	7
56	A Comparison of Second-Order Derivative Based Models for Time Domain Reflectometry Waveform Analysis. <i>Vadose Zone Journal</i> , 2017, 16, 1-10.	2.2	7
57	Center pivot irrigation capacity effects on maize yield and profitability in the Texas High Plains. <i>Agricultural Water Management</i> , 2022, 261, 107335.	5.6	7
58	Grazing and Tillage Effects on Soil Properties, Rain Infiltration, and Sediment Transport during Fallow. <i>Soil Science Society of America Journal</i> , 2017, 81, 1548-1556.	2.2	6
59	Do More Seeds per Panicle Improve Grain Sorghum Yield?. <i>Crop Science</i> , 2017, 57, 490-496.	1.8	6
60	Analysis of Coaxial Soil Cell in Reflection and Transmission. <i>Sensors</i> , 2011, 11, 2592-2610.	3.8	5
61	SIMULATION OF WIND FORCES AND EROSION IN A FIELD WITH WINDBREAKS. <i>Soil Science</i> , 1997, 162, 372-381.	0.9	5
62	Fringe Capacitance Correction for a Coaxial Soil Cell. <i>Sensors</i> , 2011, 11, 757-770.	3.8	4
63	Comments on Singh et al., Performance assessment of factory and field calibrations for electromagnetic sensors in a loam soil [Agric. Water Manage. 196 (2018) 87-98]. <i>Agricultural Water Management</i> , 2018, 203, 236-239.	5.6	4
64	Modeling Cotton Growth and Yield Response to Irrigation Practices for Thermally Limited Growing Seasons in Kansas. <i>Transactions of the ASABE</i> , 2021, 64, 1-12.	1.1	4
65	Conjunctive Use of Tension Infiltrometry and Time-Domain Reflectometry for Inverse Estimation of Soil Hydraulic Properties. <i>Vadose Zone Journal</i> , 2003, 2, 530-538.	2.2	4
66	Response of maize hybrids under limited irrigation capacities: Crop water use. <i>Agronomy Journal</i> , 2022, 114, 1324-1337.	1.8	4
67	Comments on Vera et al., Soil water balance trial involving capacitance and neutron probe measurements [Agric. Water Manage. 96 (2009) 905-911]. <i>Agricultural Water Management</i> , 2010, 97, 182-184.	5.6	3
68	Discussion of Soil Moisture Measurements: Comparison of Instrumentation Performances by Ventura Francesca, Facini Osvaldo, Piana Stefano, and Rossi Pisa Paola. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2011, 137, 466-468.	1.0	3
69	Factory-Calibrated Soil Water Sensor Performance Using Multiple Installation Orientations and Depths. <i>Applied Engineering in Agriculture</i> , 2020, 36, 39-54.	0.7	2
70	Controlling Stormwater Runoff That Limits Water Availability and Dryland Crop Productivity. <i>Frontiers in Sustainable Food Systems</i> , 2020, 4, .	3.9	2
71	Soil water extractable organic matter under long-term dryland cropping systems on the Texas High Plains. <i>Soil Science Society of America Journal</i> , 2022, 86, 1249-1263.	2.2	2
72	Precipitation, runoff, and yields from terraced drylands with stubble mulch or no tillage. <i>Agronomy Journal</i> , 2020, 112, 3295-3305.	1.8	1

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73	Response of maize hybrids under limited irrigation capacities: Yield and yield components. Agronomy Journal, 0, , .	1.8	0