

Robert Horton

List of Publications by Year in descending order

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161
papers

5,398
citations

134610

34
h-index

116156

66
g-index

163
all docs

163
docs citations

163
times ranked

4551
citing authors

#	ARTICLE	IF	CITATIONS
1	An Improved Model for Predicting Soil Thermal Conductivity from Water Content at Room Temperature. <i>Soil Science Society of America Journal</i> , 2007, 71, 8-14.	1.2	478
2	Assessing potential of biochar for increasing waterâ€holding capacity of sandy soils. <i>GCB Bioenergy</i> , 2013, 5, 132-143.	2.5	394
3	Simple Field Method for Determining Unsaturated Hydraulic Conductivity. <i>Soil Science Society of America Journal</i> , 1991, 55, 467.	1.2	393
4	A New Perspective on Soil Thermal Properties. <i>Soil Science Society of America Journal</i> , 2001, 65, 1641-1647.	1.2	289
5	Measurement of Soil Thermal Properties with a Dualâ€Probe Heatâ€Pulse Technique. <i>Soil Science Society of America Journal</i> , 1994, 58, 1288-1294.	1.2	277
6	An Empirical Model for Estimating Soil Thermal Conductivity from Texture, Water Content, and Bulk Density. <i>Soil Science Society of America Journal</i> , 2014, 78, 1859-1868.	1.2	122
7	Water Potential and Aggregate Size Effects on Contact Angle and Surface Energy. <i>Soil Science Society of America Journal</i> , 2004, 68, 383-393.	1.2	113
8	Development and Application of the Heat Pulse Method for Soil Physical Measurements. <i>Reviews of Geophysics</i> , 2018, 56, 567-620.	9.0	103
9	Soil Heat Storage Measurements in Energy Balance Studies. <i>Agronomy Journal</i> , 2007, 99, 311-319.	0.9	102
10	Distribution of soil organic C, N and P in three adjacent land use patterns in the northern Loess Plateau, China. <i>Biogeochemistry</i> , 2009, 96, 149-162.	1.7	95
11	Simultaneous Transfer of Heat, Water, and Solute in Porous Media: I. Theoretical Development. <i>Soil Science Society of America Journal</i> , 1992, 56, 1350-1356.	1.2	91
12	Water Transport in Unsaturated Nonisothermal Salty Soil: II. Theoretical Development. <i>Soil Science Society of America Journal</i> , 1989, 53, 1330-1337.	1.2	90
13	How efficiently do cornâ€and soybeanâ€based cropping systems use water? A systems modeling analysis. <i>Global Change Biology</i> , 2016, 22, 666-681.	4.2	80
14	Development of Thermoâ€Time Domain Reflectometry for Vadose Zone Measurements. <i>Vadose Zone Journal</i> , 2003, 2, 544-551.	1.3	73
15	Field Tests of the Soil Heat Flux Plate Method and Some Alternatives. <i>Agronomy Journal</i> , 2006, 98, 1005-1014.	0.9	71
16	Macroporous Carbon Supported Zerovalent Iron for Remediation of Trichloroethylene. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 1586-1593.	3.2	63
17	Changes in soil organic carbon and total nitrogen after 28Âyears grassland afforestation: effects of tree species, slope position, and soil order. <i>Plant and Soil</i> , 2010, 331, 165-179.	1.8	60
18	Integral Method for Estimating Soil Hydraulic Properties. <i>Soil Science Society of America Journal</i> , 1998, 62, 585-592.	1.2	58

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19	Determination of Soil Bulk Density with Thermo- ϵ Time Domain Reflectometry Sensors. Soil Science Society of America Journal, 2008, 72, 1000-1005.	1.2	55
20	Use of the Dual-Probe Heat-Pulse Technique to Monitor Soil Water Content in the Vadose Zone. Vadose Zone Journal, 2003, 2, 572-579.	1.3	53
21	Simultaneous Water Content, Air-Filled Porosity, and Bulk Density Measurements with Thermo- ϵ Time Domain Reflectometry. Soil Science Society of America Journal, 2001, 65, 1618-1622.	1.2	51
22	Simultaneous Transfer of Heat, Water, and Solute in Porous Media: II. Experiment and Analysis. Soil Science Society of America Journal, 1992, 56, 1357-1365.	1.2	50
23	Salinity and Compaction Effects on Soil Water Evaporation and Water and Solute Distributions. Soil Science Society of America Journal, 1999, 63, 752-758.	1.2	46
24	Measurement of Field Soil Hydraulic and Solute Transport Parameters. Soil Science Society of America Journal, 1998, 62, 1172-1178.	1.2	45
25	Evaluation of Three Models that Describe Soil Water Retention Curves from Saturation to Oven Dryness. Soil Science Society of America Journal, 2008, 72, 1542-1546.	1.2	44
26	Moisture-Dependent Wettability of Artificial Hydrophobic Soils and Its Relevance for Soil Water Desorption Curves. Soil Science Society of America Journal, 2012, 76, 342-349.	1.2	43
27	Water Transport in Unsaturated Nonisothermal Salty Soil: I. Experimental Results. Soil Science Society of America Journal, 1989, 53, 1323-1329.	1.2	42
28	Horizontal Infiltration Method for Determining Brooks-Corey Model Parameters. Soil Science Society of America Journal, 2002, 66, 1733-1739.	1.2	42
29	Effect of Daily Soil Temperature Fluctuations on Soil Electrical Conductivity as Measured with the Geonics $\text{\textcircled{R}}$ EM-38. Precision Agriculture, 2004, 5, 145-152.	3.1	41
30	Measuring Subsurface Soil-Water Evaporation with an Improved Heat-Pulse Probe. Soil Science Society of America Journal, 2012, 76, 876-879.	1.2	41
31	Quantitative Color Image Analysis of Agronomic Images. Agronomy Journal, 1999, 91, 148-153.	0.9	40
32	Evaluation of the Heat Pulse Ratio Method for Measuring Soil Water Flux. Soil Science Society of America Journal, 2005, 69, 757-765.	1.2	40
33	Canopy Shading Effects on Soil Heat and Water Flow. Soil Science Society of America Journal, 1989, 53, 669-679.	1.2	39
34	Comparison of two soil temperature algorithms for a bare ground site on the Loess Plateau in China. Journal of Geophysical Research, 2008, 113, .	3.3	36
35	Derivation of an Explicit Form of the Percolation-Based Effective-Medium Approximation for Thermal Conductivity of Partially Saturated Soils. Water Resources Research, 2018, 54, 1389-1399.	1.7	36
36	A Simple Method for Estimating Water Diffusivity of Unsaturated Soils. Soil Science Society of America Journal, 2004, 68, 713-718.	1.2	35

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37	Determining Soil Ice Contents during Freezing and Thawing with Thermo-Time Domain Reflectometry. <i>Vadose Zone Journal</i> , 2015, 14, 1-9.	1.3	35
38	Measuring Near-Surface Soil Thermal Properties with the Heat-Pulse Method: Correction of Ambient Temperature and Soil-Air Interface Effects. <i>Soil Science Society of America Journal</i> , 2014, 78, 1575-1583.	1.2	34
39	Temporal Changes of Soil Water Retention Behavior as Affected by Wetting and Drying Following Tillage. <i>Soil Science Society of America Journal</i> , 2017, 81, 1288-1295.	1.2	33
40	Analytical Solution for One-Dimensional Heat Conduction-Convection Equation. <i>Soil Science Society of America Journal</i> , 1998, 62, 123-128.	1.2	32
41	A Self-Calibrated Dual Probe Heat Pulse Sensor for In Situ Calibrating the Probe Spacing. <i>Soil Science Society of America Journal</i> , 2013, 77, 417-421.	1.2	32
42	Subsurface Drainage Flow and Soil Water Dynamics of Reconstructed Prairies and Corn Rotations for Biofuel Production. <i>Vadose Zone Journal</i> , 2014, 13, 1-11.	1.3	32
43	In Situ Monitoring of Soil Bulk Density with a Thermo-TDR Sensor. <i>Soil Science Society of America Journal</i> , 2014, 78, 400-407.	1.2	32
44	Soil Heat Flux Plates: Heat Flow Distortion and Thermal Contact Resistance. <i>Agronomy Journal</i> , 2007, 99, 304-310.	0.9	31
45	Water Potential and Aggregate Size Effects on Contact Angle and Surface Energy. <i>Soil Science Society of America Journal</i> , 2004, 68, 383.	1.2	31
46	Diffusion in sparsely connected pore spaces: Temporal and spatial scaling. <i>Water Resources Research</i> , 2002, 38, 21-1-21-13.	1.7	30
47	An Empirical Model for Estimating Soil Thermal Conductivity from Soil Water Content and Porosity. <i>Journal of Hydrometeorology</i> , 2016, 17, 601-613.	0.7	30
48	Assessing the Biochar Effects on Selected Physical Properties of a Sandy Soil: An Analytical Approach. <i>Communications in Soil Science and Plant Analysis</i> , 2017, 48, 1387-1398.	0.6	30
49	Approaches for Estimating Soil Water Retention Curves at Various Bulk Densities With the Extended Van Genuchten Model. <i>Water Resources Research</i> , 2018, 54, 5584-5601.	1.7	30
50	A Time Domain Reflectometry Method to Measure Immobile Water Content and Mass Exchange Coefficient. <i>Soil Science Society of America Journal</i> , 2000, 64, 1911-1917.	1.2	29
51	Effect of Gravel-Sand Mulch on Soil Water and Temperature in the Semiarid Loess Region of Northwest China. <i>Journal of Hydrologic Engineering - ASCE</i> , 2013, 18, 1484-1494.	0.8	29
52	Sensible Heat Balance Estimates of Transient Soil Ice Contents. <i>Vadose Zone Journal</i> , 2016, 15, 1-11.	1.3	28
53	Effects of Drying Treatments on Porosity of Soil Materials. <i>Soil Science Society of America Journal</i> , 1985, 49, 1360-1364.	1.2	27
54	Evaluation of a Simple Method for Estimating Solute Transport Parameters Laboratory Studies. <i>Soil Science Society of America Journal</i> , 2000, 64, 492-498.	1.2	27

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55	An Analytical Solution to the One-Dimensional Heat Conduction-Convection Equation in Soil. Soil Science Society of America Journal, 2012, 76, 1978-1986.	1.2	27
56	Determining Soil Bulk Density with Thermo-Time Domain Reflectometry: A Thermal Conductivity-Based Approach. Soil Science Society of America Journal, 2016, 80, 48-54.	1.2	27
57	Comparing Heat-Pulse and Time Domain Reflectometry Soil Water Contents from Thermo-Time Domain Reflectometry Probes. Vadose Zone Journal, 2005, 4, 1080-1086.	1.3	26
58	Wettability and Hysteresis Effects on Water Sorption in Relatively Dry Soil. Soil Science Society of America Journal, 2009, 73, 1947-1951.	1.2	26
59	Effects of Coal Gangue Content on Water Movement and Solute Transport in a China Loess Plateau Soil. Clean - Soil, Air, Water, 2010, 38, 1031-1038.	0.7	24
60	Short, Multineedle Frequency Domain Reflectometry Sensor Suitable for Measuring Soil Water Content. Soil Science Society of America Journal, 2012, 76, 1929-1937.	1.2	24
61	Real-time flood forecast using the coupling support vector machine and data assimilation method. Journal of Hydroinformatics, 2014, 16, 973-988.	1.1	24
62	A modified method for estimating fine and coarse fractal dimensions of soil particle size distributions based on laser diffraction analysis. Journal of Soils and Sediments, 2015, 15, 937-948.	1.5	23
63	Effects of land-use change on soil organic carbon and nitrogen in density fractions and soil $\delta^{13}C$ and $\delta^{15}N$ in semiarid grasslands. Plant and Soil, 2015, 390, 419-430.	1.8	23
64	Mathematical analysis of heat pulse signals for soil water flux determination. Water Resources Research, 2002, 38, 27-1-27-7.	1.7	22
65	Analytical Solution of Heat Pulse Method in a Parallelepiped Sample Space with Inclined Needles. Soil Science Society of America Journal, 2008, 72, 1208-1216.	1.2	22
66	Influence of Winter Grazing on Water and Heat Flow in Seasonally Frozen Soil of Inner Mongolia. Vadose Zone Journal, 2013, 12, 1-11.	1.3	22
67	Specific Heat Capacity of Soil Solids: Influences of Clay Content, Organic Matter, and Tightly Bound Water. Soil Science Society of America Journal, 2019, 83, 1062-1066.	1.2	22
68	An Improved Thermo-TDR Technique for Monitoring Soil Thermal Properties, Water Content, Bulk Density, and Porosity. Vadose Zone Journal, 2019, 18, 1-9.	1.3	21
69	Humic acid transport in saturated porous media: Influence of flow velocity and influent concentration. Journal of Environmental Sciences, 2014, 26, 2554-2561.	3.2	20
70	Reduction of estrone to 17 β -estradiol in the presence of swine manure colloids. Chemosphere, 2015, 119, 642-645.	4.2	20
71	The Feasibility of Shallow Time Domain Reflectometry Probes to Describe Solute Transport Through Undisturbed Soil Cores. Soil Science Society of America Journal, 2002, 66, 53-57.	1.2	19
72	Steady-State Temperature Distribution in Nonisothermal, Unsaturated Closed Soil Cells. Soil Science Society of America Journal, 1994, 58, 1358-1363.	1.2	18

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73	Time Domain Reflectometry Waveform Analysis with Second-Order Bounded Mean Oscillation. Soil Science Society of America Journal, 2014, 78, 1146-1152.	1.2	18
74	Biochar Age and Crop Rotation Impacts on Soil Quality. Soil Science Society of America Journal, 2017, 81, 1157-1167.	1.2	18
75	Using a H^2 filter assimilation procedure to estimate root zone soil water content. Hydrological Processes, 2010, 24, 3648-3660.	1.1	17
76	An Empirical Model for Estimating Soil Thermal Diffusivity from Texture, Bulk Density, and Degree of Saturation. Journal of Hydrometeorology, 2018, 19, 445-457.	0.7	17
77	Thermal property values of a central Iowa soil as functions of soil water content and bulk density or of soil air content. European Journal of Soil Science, 2020, 71, 169-178.	1.8	17
78	Enhancing Germination of Eastern Gamagrass Seed with Stratification and Gibberellic Acid. Crop Science, 2004, 44, 549-552.	0.8	16
79	Field Test and Sensitivity Analysis of a Sensible Heat Balance Method to Determine Soil Ice Contents. Vadose Zone Journal, 2014, 13, 1-10.	1.3	16
80	Tangent Line/Second-Order Bounded Mean Oscillation Waveform Analysis for Short TDR Probe. Vadose Zone Journal, 2016, 15, 1-7.	1.3	16
81	Canopy Chamber Measurements of Carbon Dioxide Fluxes in Corn and Soybean Fields. Vadose Zone Journal, 2018, 17, 1-5.	1.3	16
82	Advances in the heat-pulse technique: Improvements in measuring soil thermal properties. Soil Science Society of America Journal, 2020, 84, 1361-1370.	1.2	15
83	Soil Apparent Thermal Diffusivity Estimated by Conduction and by Conduction-Convection Heat Transfer Models. Journal of Hydrometeorology, 2017, 18, 109-118.	0.7	14
84	A Simple Method for Estimating Water Diffusivity of Unsaturated Soils. Soil Science Society of America Journal, 2004, 68, 713.	1.2	14
85	Multi-scale assimilation of root zone soil water predictions. Hydrological Processes, 2011, 25, 3158-3172.	1.1	13
86	Numerical Evaluation of a Sensible Heat Balance Method to Determine Rates of Soil Freezing and Thawing. Vadose Zone Journal, 2013, 12, 1-11.	1.3	13
87	Simulations of Water and Thermal Dynamics for Soil Surfaces With Residue Mulch and Surface Runoff. Water Resources Research, 2021, 57, .	1.7	13
88	A Point-Source Method for Rapid Simultaneous Estimation of Soil Hydraulic and Chemical Transport Properties. Soil Science Society of America Journal, 2002, 66, 12-18.	1.2	12
89	Measured and Predicted Solute Transport in a Tile Drained Field. Soil Science Society of America Journal, 2006, 70, 872-881.	1.2	12
90	Humic Acid Transport in Water-Saturated Porous Media. Environmental Modeling and Assessment, 2010, 15, 53-63.	1.2	12

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91	Performance of soil particle-size distribution models for describing deposited soils adjacent to constructed dams in the China Loess Plateau. <i>Acta Geophysica</i> , 2011, 59, 124-138.	1.0	12
92	Spatial and Temporal Dynamics of Soil-Surface Carbon Dioxide Emissions in Bioenergy Corn Rotations and Reconstructed Prairies. <i>Soil Science Society of America Journal</i> , 2014, 78, 1338-1350.	1.2	12
93	Analytical Solution for Two-Dimensional Heat Conduction beneath a Partial Surface Mulch. <i>Soil Science Society of America Journal</i> , 1990, 54, 1197-1206.	1.2	11
94	Soil iron fractionation and availability at selected landscape positions in a loessial gully region of northwestern China. <i>Soil Science and Plant Nutrition</i> , 2010, 56, 617-626.	0.8	11
95	Estimating the contribution of groundwater to rootzone soil moisture. <i>Hydrology Research</i> , 2013, 44, 1102-1113.	1.1	11
96	Accounting for Time-Variable Soil Porosity Improves the Accuracy of the Gradient Method for Estimating Soil Carbon Dioxide Production. <i>Soil Science Society of America Journal</i> , 2014, 78, 1426-1433.	1.2	11
97	Bulk density effects on soil hydrologic and thermal characteristics: A numerical investigation. <i>Hydrological Processes</i> , 2018, 32, 2203-2216.	1.1	11
98	Thermal conductivity of mineral soils relates linearly to air-filled porosity. <i>Soil Science Society of America Journal</i> , 2020, 84, 53-56.	1.2	11
99	Development of Thermo-Time Domain Reflectometry for Vadose Zone Measurements. <i>Vadose Zone Journal</i> , 2003, 2, 544.	1.3	11
100	Exact solution for horizontal water redistribution by general similarity. <i>Soil Science Society of America Journal</i> , 2000, 64, 561-564.	1.2	10
101	Using Surface Time Domain Reflectometry Measurements to Estimate Subsurface Chemical Movement. <i>Vadose Zone Journal</i> , 2003, 2, 539-543.	1.3	10
102	Experimental Determination of Effective Diffusion Parameters in the Matrix of Fractured Till. <i>Vadose Zone Journal</i> , 2004, 3, 1050-1056.	1.3	10
103	Determination of Desert Soil Apparent Thermal Diffusivity Using a Conduction-Convection Algorithm. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 9569-9578.	1.2	10
104	Estimating the Contribution of Groundwater to the Root Zone of Winter Wheat Using Root Density Distribution Functions. <i>Vadose Zone Journal</i> , 2018, 17, 170075.	1.3	10
105	Biochar and compost amendment impacts on soil water and pore size distribution of a loamy sand soil. <i>Soil Science Society of America Journal</i> , 2021, 85, 1021-1036.	1.2	10
106	A Point-Source Method for Rapid Simultaneous Estimation of Soil Hydraulic and Chemical Transport Properties. <i>Soil Science Society of America Journal</i> , 2002, 66, 12.	1.2	10
107	Use of the Dual-Probe Heat-Pulse Technique to Monitor Soil Water Content in the Vadose Zone. <i>Vadose Zone Journal</i> , 2003, 2, 572.	1.3	10
108	Modeling Water Flow from Subirrigation with Drainage. <i>Soil Science Society of America Journal</i> , 1993, 57, 1451-1457.	1.2	9

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109	Localized Soil Management in Fertilizer Injection Zone to Reduce Nitrate Leaching. <i>Agronomy Journal</i> , 1998, 90, 747-752.	0.9	9
110	Determining Near-Surface Soil Heat Flux Density Using the Gradient Method: A Thermal Conductivity Model-Based Approach. <i>Journal of Hydrometeorology</i> , 2017, 18, 2285-2295.	0.7	9
111	Thermo-Time Domain Reflectometry Method: Advances in Monitoring In Situ Soil Bulk Density. <i>Methods of Soil Analysis</i> , 2017, 2, 1354.	0.8	9
112	Analytical Method to Determine Soil Hydraulic Properties from Vertical Infiltration Experiments. <i>Soil Science Society of America Journal</i> , 2017, 81, 1303-1314.	1.2	9
113	Capacity and Distribution of Water Stored in the Vadose Zone of the Chinese Loess Plateau. <i>Vadose Zone Journal</i> , 2019, 18, 180203.	1.3	9
114	Estimating thermal conductivity of frozen soils from air-filled porosity. <i>Soil Science Society of America Journal</i> , 2020, 84, 1650-1657.	1.2	9
115	Thermally Induced Water Transfer in Salinized, Unsaturated Soil. <i>Soil Science Society of America Journal</i> , 1997, 61, 1293-1299.	1.2	8
116	Development of Thermo-Time Domain Reflectometry for Vadose Zone Measurements. <i>Vadose Zone Journal</i> , 2003, 2, 544-551.	1.3	8
117	Analytical Solution of the Heat Pulse Method in a Parallelepiped Sample Space. <i>Soil Science Society of America Journal</i> , 2007, 71, 1607-1619.	1.2	8
118	An Experimental Study of Coupled Heat and Water Transfer in Wettable and Artificially Hydrophobized Soils. <i>Soil Science Society of America Journal</i> , 2014, 78, 125-132.	1.2	8
119	An Empirical Calibration for Heat-Balance Sap-Flow Sensors in Maize. <i>Agronomy Journal</i> , 2017, 109, 1122-1128.	0.9	8
120	Thermo-time domain reflectometry method: Advances in monitoring in situ soil bulk density. <i>Soil Science Society of America Journal</i> , 2020, 84, 1354-1360.	1.2	8
121	Advances in thermo-time domain reflectometry technique: Measuring ice content in partially frozen soils. <i>Soil Science Society of America Journal</i> , 2020, 84, 1519-1526.	1.2	8
122	Wind effects on soil thermal properties measured by the dual-probe heat pulse method. <i>Soil Science Society of America Journal</i> , 2020, 84, 414-424.	1.2	8
123	Effect of subsoil tillage during pipeline construction activities on near-term soil physical properties and crop yields in the right-of-way. <i>Soil Use and Management</i> , 2021, 37, 545-555.	2.6	8
124	Model calculations of water dynamics in lysimeters filled with granular industrial wastes. <i>Journal of Plant Nutrition and Soil Science</i> , 2002, 165, 339-346.	1.1	7
125	A Comparison of Second-Order Derivative Based Models for Time Domain Reflectometry Waveform Analysis. <i>Vadose Zone Journal</i> , 2017, 16, 1-10.	1.3	7
126	In-situ probe spacing calibration improves the heat pulse method for measuring soil heat capacity and water content. <i>Soil Science Society of America Journal</i> , 2020, 84, 1620-1629.	1.2	7

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127	Heat and Water Transfer in Compacted and Layered Soils. <i>Journal of Environmental Quality</i> , 1997, 26, 81-88.	1.0	6
128	Measurement of Soil Water Content with Dielectric Dispersion Frequency. <i>Soil Science Society of America Journal</i> , 2014, 78, 1500-1506.	1.2	6
129	Improving Soil Heat Flux Accuracy with the Philip Correction Technique. <i>Journal of Hydrometeorology</i> , 2019, 20, 1435-1448.	0.7	6
130	The Influence of Concrete Grinding Residue on Soil Physical Properties and Plant Growth. <i>Journal of Environmental Quality</i> , 2019, 48, 1842-1848.	1.0	6
131	Lysimeter study of water and salt dynamics in a saline metallurgical waste. <i>Journal of Plant Nutrition and Soil Science</i> , 2002, 165, 211.	1.1	5
132	Advances in the Heat-Pulse Technique: Improvements in Measuring Soil Thermal Properties. <i>Methods of Soil Analysis</i> , 2017, 2, 1361.	0.8	5
133	Advances in Heat-Pulse Methods: Measuring Near-Surface Soil Water Content. <i>Methods of Soil Analysis</i> , 2017, 2, 1376.	0.8	5
134	Application of infinite line source and cylindricalâ€œperfectâ€œconductors theories to heat pulse measurements with large sensors. <i>Soil Science Society of America Journal</i> , 2021, 85, 1050-1059.	1.2	5
135	The Feasibility of Shallow Time Domain Reflectometry Probes to Describe Solute Transport Through Undisturbed Soil Cores. <i>Soil Science Society of America Journal</i> , 2002, 66, 53.	1.2	5
136	Comparison of Models for Determining Soil-Surface Carbon Dioxide Effluxes in Different Agricultural Systems. <i>Agronomy Journal</i> , 2015, 107, 1077-1086.	0.9	4
137	Surface Energy Balance Partitioning in Tilled Bare Soils. <i>Agricultural and Environmental Letters</i> , 2018, 3, 180039.	0.8	4
138	A Greenhouse Study of Concrete Grinding Residue Influences on Seedling Emergence and Early Growth of Selected Prairie Species. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	1.1	4
139	Use of the Dual-Probe Heat-Pulse Technique to Monitor Soil Water Content in the Vadose Zone. <i>Vadose Zone Journal</i> , 2003, 2, 572-579.	1.3	4
140	A Modified Soil Moisture Model for Twoâ€œLayerâ€œSoil. <i>Ground Water</i> , 2016, 54, 569-578.	0.7	3
141	Spatial Response of Nearâ€œSurface Soil Water Contents to Newly Imposed Soil Management. <i>Agricultural and Environmental Letters</i> , 2018, 3, 180032.	0.8	3
142	Advances in Thermo-Time Domain Reflectometry Technique: Measuring Ice Content in Partially Frozen Soils. <i>Methods of Soil Analysis</i> , 2019, 4, 1519.	0.8	3
143	Advances in heatâ€œpulse methods: Measuring nearâ€œsurface soil water content. <i>Soil Science Society of America Journal</i> , 2020, 84, 1376-1383.	1.2	3
144	Using Surface Time Domain Reflectometry Measurements to Estimate Subsurface Chemical Movement. <i>Vadose Zone Journal</i> , 2003, 2, 539.	1.3	3

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145	Reply to "Comments on "Integral Method for Estimating Soil Hydraulic Properties" Soil Science Society of America Journal, 1999, 63, 253-253.	1.2	2
146	Weighing Lysimeter Data Confirm the Accuracy and Precision of the Heat-Pulse Technique for Measuring Daily Soil Evaporation. Soil Science Society of America Journal, 2017, 81, 1074-1078.	1.2	2
147	Are Visible Fractures Accurate Predictors of Flow and Mass Transport in Fractured Till?. Ground Water, 2021, 59, 24-30.	0.7	2
148	Enhancing Germination of Eastern Gamagrass Seed with Stratification and Gibberellic Acid. Crop Science, 2004, 44, 549.	0.8	2
149	In-situ tin casting combined with three-dimensional scanner to quantify anecic earthworm burrows. Vadose Zone Journal, 2022, 21, .	1.3	2
150	Using Surface Time Domain Reflectometry Measurements to Estimate Subsurface Chemical Movement. Vadose Zone Journal, 2003, 2, 539-543.	1.3	1
151	Investigating Time-Scale Effects on Reference Evapotranspiration from Epan Data in North China. Journal of Applied Meteorology and Climatology, 2010, 49, 867-878.	0.6	1
152	Simplified Computational Approach for Determining In Situ Probe Spacing of a Dual Probe Heat Pulse Sensor. Soil Science Society of America Journal, 2018, 82, 1113-1116.	1.2	1
153	Summary of Advances in the Heat-Pulse Technique: Improvements in Measuring Soil Thermal Properties. Soil Science Society of America Journal, 2018, 82, 1016-1016.	1.2	1
154	Summary of Advances in Heat-Pulse Methods: Measuring Near-Surface Soil Water Content. Soil Science Society of America Journal, 2018, 82, 1015-1015.	1.2	1
155	Summary of Thermo-Time Domain Reflectometry Method: Advances in Monitoring In Situ Soil Bulk Density. Soil Science Society of America Journal, 2018, 82, 733-733.	1.2	1
156	Temporal changes in soil hydraulic conductivity in saturated and unsaturated fields. Paddy and Water Environment, 2020, 18, 677-686.	1.0	1
157	Effect of Exposure Conditions and Internal Curing on Pore Water Potential Development in Cement-Based Materials. Transportation Research Record, 2021, 2675, 184-191.	1.0	1
158	Buried pipeline installation impacts on soil structure and crop root decomposition. Agricultural and Environmental Letters, 2022, 7, .	0.8	1
159	A semi-analytical model for solute transport in layered dual-porosity media. Journal of Plant Nutrition and Soil Science, 2006, 169, 754-761.	1.1	0
160	Response to "Comments on "Integral Method for Estimating Soil Hydraulic Properties" by Hu (2015)" Soil Science Society of America Journal, 2015, 79, 970-971.	1.2	0
161	The Response of the HydroGeoSphere Model to Alternative Spatial Precipitation Simulation Methods. Water (Switzerland), 2021, 13, 1891.	1.2	0