

Jan W Hopmans

List of Publications by Year in descending order

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Version: 2024-02-01

169
papers

11,192
citations

28274

55
h-index

32842

100
g-index

178
all docs

178
docs citations

178
times ranked

9773
citing authors

#	ARTICLE	IF	CITATIONS
1	Critical knowledge gaps and research priorities in global soil salinity. <i>Advances in Agronomy</i> , 2021, , 1-191.	5.2	151
2	Assessing Effects of Salinity on the Performance of a Low-Cost Wireless Soil Water Sensor. <i>Sensors</i> , 2020, 20, 7041.	3.8	12
3	Transdisciplinary soil hydrology. <i>Vadose Zone Journal</i> , 2020, 19, e20085.	2.2	3
4	Global environmental changes impact soil hydraulic functions through biophysical feedbacks. <i>Global Change Biology</i> , 2019, 25, 1895-1904.	9.5	60
5	Uncertainties in leaching assessment in micro-irrigated fields using water balance approach. <i>Agricultural Water Management</i> , 2019, 213, 107-115.	5.6	19
6	The century experiment: the first twenty years of UC Davis' Mediterranean agroecological experiment. <i>Ecology</i> , 2018, 99, 503-503.	3.2	28
7	Mechanisms controlling the impact of multi-year drought on mountain hydrology. <i>Scientific Reports</i> , 2018, 8, 690.	3.3	97
8	Southern Sierra Critical Zone Observatory and Kings River Experimental Watersheds: A Synthesis of Measurements, New Insights, and Future Directions. <i>Vadose Zone Journal</i> , 2018, 17, 180081.	2.2	39
9	Impact of root growth and hydraulic conductance on canopy carbon-water relations of young walnut trees (<i>Juglans regia</i> L.) under drought. <i>Scientia Horticulturae</i> , 2017, 226, 342-352.	3.6	20
10	Effects of drip fertigation frequency and N-source on soil N ₂ O production in almonds. <i>Agriculture, Ecosystems and Environment</i> , 2017, 238, 67-77.	5.3	34
11	Evapotranspiration Estimate over an Almond Orchard Using Landsat Satellite Observations. <i>Remote Sensing</i> , 2017, 9, 436.	4.0	33
12	Evaluating the relative air permeability of porous media from their water retention curves. <i>Water Resources Research</i> , 2016, 52, 3428-3439.	4.2	14
13	Assessment of orchard N losses to groundwater with a vadose zone monitoring network. <i>Agricultural Water Management</i> , 2016, 172, 83-95.	5.6	32
14	Downscaling transpiration rate from field to tree scale. <i>Agricultural and Forest Meteorology</i> , 2016, 221, 71-77.	4.8	11
15	A Dual-Probe Heat Pulse Sensor with Rigid Probes for Improved Soil Water Content Measurement. <i>Soil Science Society of America Journal</i> , 2015, 79, 1059-1072.	2.2	31
16	An Alternative Tensiometer Design for Deep Vadose Zone Monitoring. <i>Soil Science Society of America Journal</i> , 2015, 79, 1293-1296.	2.2	2
17	Soil and human security in the 21st century. <i>Science</i> , 2015, 348, 1261071.	12.6	852
18	Area representative soil water content estimations from limited measurements at time-stable locations or depths. <i>Journal of Hydrology</i> , 2015, 530, 580-590.	5.4	14

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19	Soil suitability index identifies potential areas for groundwater banking on agricultural lands. California Agriculture, 2015, 69, 75-84.	0.8	73
20	Building a Stronger Society and Increasing Our Relevance in the World. CSA News, 2014, 59, 20-21.	0.0	0
21	SSSA Is Going Global. CSA News, 2014, 59, 22-23.	0.0	0
22	Soil Science May Be Key to Cracking the Food Security Code. CSA News, 2014, 59, 18-19.	0.0	0
23	SSSA Partnership with CSSA and ASA Remains Strong. CSA News, 2014, 59, 30-31.	0.0	0
24	A Retrospective of this Year as SSSA President. CSA News, 2014, 59, 18-19.	0.0	0
25	Geophysical constraints on deep weathering and water storage potential in the Southern Sierra Critical Zone Observatory. Earth Surface Processes and Landforms, 2014, 39, 366-380.	2.5	177
26	Climate-smart agriculture global research agenda: scientific basis for action. Agriculture and Food Security, 2014, 3, .	4.2	165
27	Scales and Scaling as a Framework for Synthesizing Irrigated Agroecosystem Research on the Westside San Joaquin Valley. Global Issues in Water Policy, 2014, , 99-122.	0.1	0
28	Prediction of Unsaturated Relative Hydraulic Conductivity from Kosugi's Water Retention Function. Procedia Environmental Sciences, 2013, 19, 609-617.	1.4	9
29	Prediction of spatially variable unsaturated hydraulic conductivity using scaled particle size distribution functions. Water Resources Research, 2013, 49, 4219-4229.	4.2	27
30	<i>Vadose Zone Journal</i>: A Decade of Multidisciplinary Research. Vadose Zone Journal, 2013, 12, 1-3.	2.2	2
31	Diffusion Aspects of Designing Porous Growth Media for Earth and Space. Soil Science Society of America Journal, 2012, 76, 1564-1578.	2.2	15
32	Semianalytical Solution for Dual-Probe Heat-Pulse Applications that Accounts for Probe Radius and Heat Capacity. Vadose Zone Journal, 2012, 11, vzt2011.0112.	2.2	53
33	Evaluation of subsurface drip irrigation design and management parameters for alfalfa. Agricultural Water Management, 2012, 109, 81-93.	5.6	72
34	Response to "Comment on "Soil Moisture Response to Snowmelt and Rainfall in a Sierra Nevada Mixed-Conifer Forest": Vadose Zone Journal, 2012, 11, vzt2012.0004r.	2.2	3
35	Evaluation of soil salinity leaching requirement guidelines. Agricultural Water Management, 2011, 98, 502-506.	5.6	184
36	Interdisciplinary Sciences in a Global Network of Critical Zone Observatories. Vadose Zone Journal, 2011, 10, 781-785.	2.2	46

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37	Catchmentâ€Scale Soil Water Dynamics in a Mediterraneanâ€Type Oak Woodland. Vadose Zone Journal, 2011, 10, 800-815.	2.2	34
38	Three-dimensional visualization and quantification of water content in the rhizosphere. New Phytologist, 2011, 192, 653-663.	7.3	140
39	Fate of nitrogen for subsurface drip dispersal of effluent from small wastewater systems. Journal of Contaminant Hydrology, 2011, 126, 19-28.	3.3	25
40	Evaluation of MPS-1 soil water potential sensor. Journal of Hydrology, 2011, 402, 126-134.	5.4	23
41	Ground Penetrating Radar: Water Table Detection Sensitivity to Soil Water Retention Properties. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2011, 4, 748-753.	4.9	29
42	Simplified Multistep Outflow Method to Estimate Unsaturated Hydraulic Functions for Coarseâ€Textured Soils. Soil Science Society of America Journal, 2011, 75, 418-425.	2.2	17
43	Kirkham's Legacy and Contemporary Challenges in Soil Physics Research. Soil Science Society of America Journal, 2011, 75, 1589-1601.	2.2	40
44	Soil Moisture Response to Snowmelt and Rainfall in a Sierra Nevada Mixedâ€Conifer Forest. Vadose Zone Journal, 2011, 10, 786-799.	2.2	203
45	Long-Term Regional-Scale Modeling of Soil Salinity. , 2011, , 899-922.		0
46	Using Bimodal Lognormal Functions to Describe Soil Hydraulic Properties. Soil Science Society of America Journal, 2011, 75, 468-480.	2.2	52
47	Sampling Strategies in Forest Hydrology and Biogeochemistry. Ecological Studies, 2011, , 29-44.	1.2	6
48	Effect of Probe Deflection on Dualâ€Probe Heatâ€Pulse Thermal Conductivity Measurements. Soil Science Society of America Journal, 2010, 74, 1537-1540.	2.2	24
49	Analytical Modeling of Soil Solution Monitoring by Diffusion in Porous Cups. Transport in Porous Media, 2010, 81, 341-360.	2.6	1
50	Reclaiming freshwater sustainability in the Cadillac Desert. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 21263-21269.	7.1	136
51	Ground-Penetrating Radar reflection data sensitivity to van Genuchten parameter variations GPR reflection data sensitivity to van Genuchten parameters. , 2010, , .		0
52	In Situ Monitoring of Soil Solution Nitrate: Proof of Concept. Soil Science Society of America Journal, 2009, 73, 501-509.	2.2	12
53	Design and Numerical Analysis of a Button Heat Pulse Probe for Soil Water Content Measurement. Vadose Zone Journal, 2009, 8, 167-173.	2.2	13
54	Scaling soil water retention functions using particle-size distribution. Journal of Hydrology, 2009, 374, 223-234.	5.4	60

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55	Modeling compensated root water and nutrient uptake. <i>Ecological Modelling</i> , 2009, 220, 505-521.	2.5	344
56	Tillage and seasonal emissions of CO ₂ , N ₂ O and NO across a seed bed and at the field scale in a Mediterranean climate. <i>Agriculture, Ecosystems and Environment</i> , 2009, 129, 378-390.	5.3	87
57	Determining soil carbon stock changes: Simple bulk density corrections fail. <i>Agriculture, Ecosystems and Environment</i> , 2009, 134, 251-256.	5.3	318
58	Annual carbon and nitrogen loadings for a furrow-irrigated field. <i>Agricultural Water Management</i> , 2009, 96, 925-930.	5.6	23
59	Spatial Variability of Hydraulic Properties and Sediment Characteristics in a Deep Alluvial Unsaturated Zone. <i>Vadose Zone Journal</i> , 2009, 8, 276-289.	2.2	45
60	Drip irrigation provides the salinity control needed for profitable irrigation of tomatoes in the San Joaquin Valley. <i>California Agriculture</i> , 2009, 63, 131-136.	0.8	41
61	Evaluation of CO ₂ fluxes from an agricultural field using a process-based numerical model. <i>Journal of Hydrology</i> , 2008, 361, 131-143.	5.4	20
62	Frequency, electrical conductivity and temperature analysis of a low-cost capacitance soil moisture sensor. <i>Journal of Hydrology</i> , 2008, 352, 367-378.	5.4	269
63	Soil water flux density measurements near 1 cm d ¹ using an improved heat pulse probe design. <i>Water Resources Research</i> , 2008, 44, .	4.2	35
64	Leaching with Subsurface Drip Irrigation under Saline, Shallow Groundwater Conditions. <i>Vadose Zone Journal</i> , 2008, 7, 810-818.	2.2	107
65	Soil Moisture Measurement for Ecological and Hydrological Watershed Scale Observatories: A Review. <i>Vadose Zone Journal</i> , 2008, 7, 358-389.	2.2	811
66	Thermal Neutron Computed Tomography of Soil Water and Plant Roots. <i>Soil Science Society of America Journal</i> , 2008, 72, 1234-1242.	2.2	66
67	Numerical evaluation of alternative heat pulse probe designs and analyses. <i>Water Resources Research</i> , 2007, 43, .	4.2	18
68	A Plea to Reform Soil Science Education. <i>Soil Science Society of America Journal</i> , 2007, 71, 639-640.	2.2	19
69	Preface: Soil Biophysical Contributions to Hydrological Processes in the Vadose Zone. <i>Vadose Zone Journal</i> , 2007, 6, 267-268.	2.2	8
70	Modeling shallow water table evaporation in irrigated regions. <i>Irrigation and Drainage Systems</i> , 2007, 21, 119-132.	0.5	17
71	SOIL PHYSICAL PROPERTIES, PROCESSES AND ASSOCIATED ROOT-SOIL INTERACTIONS. , 2006, , 13-29.		5
72	Evaluation of urea ammonium nitrate fertigation with drip irrigation using numerical modeling. <i>Agricultural Water Management</i> , 2006, 86, 102-113.	5.6	214

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73	Evaluation of Model Complexity and Input Uncertainty of Field-Scale Water Flow and Salt Transport. <i>Vadose Zone Journal</i> , 2006, 5, 951-962.	2.2	18
74	Editorial: The Future of <i>Vadose Zone Journal</i> . <i>Vadose Zone Journal</i> , 2006, 5, 125-125.	2.2	2
75	From Field- to Landscape-Scale Vadose Zone Processes: Scale Issues, Modeling, and Monitoring. <i>Vadose Zone Journal</i> , 2006, 5, 129-139.	2.2	79
76	Multi-functional heat pulse probe measurements of coupled vadose zone flow and transport. <i>Advances in Water Resources</i> , 2006, 29, 250-267.	3.8	55
77	Multi-functional probe for small-scale simultaneous measurements of soil thermal properties, water content, and electrical conductivity. <i>Sensors and Actuators A: Physical</i> , 2006, 132, 70-77.	4.1	57
78	Considerations of a field-scale soil carbon budget for furrow irrigation. <i>Agriculture, Ecosystems and Environment</i> , 2006, 113, 391-398.	5.3	17
79	Spatial and temporal distribution of root water uptake of an almond tree under microsprinkler irrigation. <i>Irrigation Science</i> , 2006, 24, 267-278.	2.8	29
80	Evaluation of model complexity and space-time resolution on the prediction of long-term soil salinity dynamics, western San Joaquin Valley, California. <i>Hydrological Processes</i> , 2006, 20, 2647-2668.	2.6	39
81	Comparison of Air and Water Permeability between Disturbed and Undisturbed Soils. <i>Soil Science Society of America Journal</i> , 2005, 69, 1361-1371.	2.2	103
82	Estimation of Vadose Zone Water Flux from Multi-Functional Heat Pulse Probe Measurements. <i>Soil Science Society of America Journal</i> , 2005, 69, 599-606.	2.2	45
83	Sustainability of irrigated agriculture in the San Joaquin Valley, California. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 15352-15356.	7.1	231
84	Multi-criteria optimization of a regional spatially-distributed subsurface water flow model. <i>Journal of Hydrology</i> , 2005, 311, 20-48.	5.4	68
85	Two-dimensional modeling of nitrate leaching for various fertigation scenarios under micro-irrigation. <i>Agricultural Water Management</i> , 2005, 74, 219-242.	5.6	225
86	Quantitative Analysis of Flow Processes in a Sand Using Synchrotron-Based X-ray Microtomography. <i>Vadose Zone Journal</i> , 2005, 4, 112-126.	2.2	117
87	Effect of Fertigation Strategy on Nitrogen Availability and Nitrate Leaching using Microirrigation. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2005, 40, 1096A-1096.	1.0	1
88	Deep vadose zone hydrology demonstrates fate of nitrate in eastern San Joaquin Valley. <i>California Agriculture</i> , 2005, 59, 124-132.	0.8	38
89	Neural Networks Prediction of Soil Hydraulic Functions for Alluvial Soils Using Multistep Outflow Data. <i>Soil Science Society of America Journal</i> , 2004, 68, 417-429.	2.2	94
90	Effect of degree of fluid saturation on transport coefficients in disturbed soils. <i>European Journal of Soil Science</i> , 2004, 55, 147-164.	3.9	24

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91	Parameter identification of large-scale spatially distributed vadose zone properties. <i>Developments in Water Science</i> , 2004, 55, 1297-1304.	0.1	1
92	Inverse modeling of large-scale spatially distributed vadose zone properties using global optimization. <i>Water Resources Research</i> , 2004, 40, .	4.2	77
93	Assessment and field-scale mapping of soil quality properties of a saline-sodic soil. <i>Geoderma</i> , 2003, 114, 231-259.	5.1	125
94	Toward Improved Identifiability of Soil Hydraulic Parameters: On the Selection of a Suitable Parametric Model. <i>Vadose Zone Journal</i> , 2003, 2, 98-113.	2.2	36
95	Grapevine root distribution in drip and microsprinkler irrigation. <i>Scientia Agricola</i> , 2003, 60, 377-387.	1.2	47
96	Toward Improved Identifiability of Soil Hydraulic Parameters: On the Selection of a Suitable Parametric Model. <i>Vadose Zone Journal</i> , 2003, 2, 98-113.	2.2	16
97	Multi-Functional Heat Pulse Probe for the Simultaneous Measurement of Soil Water Content, Solute Concentration, and Heat Transport Parameters. <i>Vadose Zone Journal</i> , 2003, 2, 561-571.	2.2	16
98	Toward Improved Identifiability of Soil Hydraulic Parameters. <i>Vadose Zone Journal</i> , 2003, 2, 98.	2.2	9
99	Multi-Functional Heat Pulse Probe for the Simultaneous Measurement of Soil Water Content, Solute Concentration, and Heat Transport Parameters. <i>Vadose Zone Journal</i> , 2003, 2, 561.	2.2	3
100	Analytical Model for Vadose Zone Solute Transport with Root Water and Solute Uptake. <i>Vadose Zone Journal</i> , 2002, 1, 158-171.	2.2	2
101	Soil Water Retention Measurements Using a Combined Tensiometer and Coiled Time Domain Reflectometry Probe. <i>Soil Science Society of America Journal</i> , 2002, 66, 1752-1759.	2.2	25
102	How useful are small-scale soil hydraulic property measurements for large-scale vadose zone modeling?. <i>Geophysical Monograph Series</i> , 2002, , 247-258.	0.1	39
103	Soil Physics Companion. <i>Soil Science</i> , 2002, 167, 838-839.	0.9	0
104	Indirect estimation of soil thermal properties and water flux using heat pulse probe measurements: Geometry and dispersion effects. <i>Water Resources Research</i> , 2002, 38, 7-1-7-14.	4.2	156
105	Current Capabilities and Future Needs of Root Water and Nutrient Uptake Modeling. <i>Advances in Agronomy</i> , 2002, 77, 103-183.	5.2	161
106	Analytical Model for Vadose Zone Solute Transport with Root Water and Solute Uptake. <i>Vadose Zone Journal</i> , 2002, 1, 158.	2.2	6
107	Vadose Zone Science and Technology Solutions.. <i>Vadose Zone Journal</i> , 2002, 1, 199.	2.2	1
108	One-, two-, and three-dimensional root water uptake functions for transient modeling. <i>Water Resources Research</i> , 2001, 37, 2457-2470.	4.2	282

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109	Alterações estruturais do sistema radicular de soja em resposta à disponibilidade de fósforo no solo. <i>Scientia Agricola</i> , 2001, 58, 55-60.	1.2	4
110	Simultaneous Measurement of Soil Penetration Resistance and Water Content with a Combined Penetrometer-TDR Moisture Probe. <i>Soil Science Society of America Journal</i> , 2001, 65, 4-12.	2.2	115
111	Calibration of a Two-Dimensional Root Water Uptake Model. <i>Soil Science Society of America Journal</i> , 2001, 65, 1027-1037.	2.2	237
112	Simultaneous scaling of soil water retention and unsaturated hydraulic conductivity functions assuming lognormal pore-size distribution. <i>Advances in Water Resources</i> , 2001, 24, 677-688.	3.8	58
113	Contribution of water content and bulk density to field soil penetration resistance as measured by a combined cone penetrometer-TDR probe. <i>Soil and Tillage Research</i> , 2001, 60, 35-42.	5.6	91
114	Simultaneous estimation of soil hydraulic and solute transport parameters from transient infiltration experiments. <i>Advances in Water Resources</i> , 2000, 23, 677-688.	3.8	82
115	Modelagem matemática como metodologia de análise do crescimento e arquitetura de sistemas radiculares. <i>Scientia Agricola</i> , 2000, 57, 683-691.	1.2	4
116	Soil moisture calibration of TDR multilevel probes. <i>Scientia Agricola</i> , 2000, 57, 349-354.	1.2	15
117	Pore-scale measurements of solute breakthrough using microfocus X-ray computed tomography. <i>Water Resources Research</i> , 2000, 36, 2067-2079.	4.2	82
118	HORIZONTAL INFILTRATION REVISITED USING PARAMETER ESTIMATION. <i>Soil Science</i> , 2000, 165, 708-717.	0.9	16
119	Software to model soil water retention curves (SWRC, version 2.00). <i>Scientia Agricola</i> , 2000, 57, 191-192.	1.2	93
120	Parameter estimation of two-fluid capillary pressure-saturation and permeability functions. <i>Advances in Water Resources</i> , 1999, 22, 479-493.	3.8	153
121	Determination of phase-volume fractions from tomographic measurements in two-phase systems. <i>Advances in Water Resources</i> , 1999, 22, 577-584.	3.8	72
122	Microsprinklers wet larger soil volume; boost almond yield, tree growth. <i>California Agriculture</i> , 1999, 53, 39-43.	0.8	12
123	Title is missing!. <i>Plant and Soil</i> , 1998, 202, 281-293.	3.7	177
124	Direct estimation of air and oil-water capillary pressure and permeability relations from multi-step outflow experiments. <i>Journal of Contaminant Hydrology</i> , 1998, 32, 223-245.	3.3	34
125	Parameter estimation of unsaturated soil hydraulic properties from transient flow processes. <i>Soil and Tillage Research</i> , 1998, 47, 27-36.	5.6	61
126	In situ estimation of soil hydraulic functions using a multistep soil-water extraction technique. <i>Water Resources Research</i> , 1998, 34, 1035-1050.	4.2	55

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127	Parameter Uncertainty Analysis of Common Infiltration Models. Soil Science Society of America Journal, 1998, 62, 1477-1487.	2.2	54
128	Scaling Water Retention Curves for Soils with Lognormal Pore Size Distribution. Soil Science Society of America Journal, 1998, 62, 1496-1505.	2.2	81
129	An Emerging Technology for Scaling Field Soil-Water Behavior. , 1998, , 136-166.		16
130	Spatial and temporal distribution of soil water balance for a drip-irrigated almond tree. Agricultural Water Management, 1997, 35, 123-146.	5.6	71
131	Application efficiency of micro-sprinkler irrigation of almond trees. Agricultural Water Management, 1997, 34, 247-263.	5.6	37
132	Vadose zone measurement and modeling. Scientia Agricola, 1997, 54, 22-26.	1.2	7
133	Selected research opportunities in soil physics. Scientia Agricola, 1997, 54, 51-77.	1.2	2
134	SOIL MOISTURE CALIBRATION OF A TDR MULTILEVEL PROBE IN GRAVELY SOILS. Soil Science, 1997, 162, 554-565.	0.9	12
135	SAMPLING DESIGN FOR SOIL MOISTURE MEASUREMENTS IN LARGE FIELD TRIALS1. Soil Science, 1995, 159, 155-161.	0.9	20
136	SAMPLING DESIGN FOR SOIL MOISTURE MEASUREMENTS IN LARGE FIELD TRIALS1. Soil Science, 1995, 159, 155-161.	0.9	1
137	Estimation of local and regional components of drain-flow from an irrigated field. Irrigation Science, 1994, 15, 153.	2.8	2
138	Simultaneous modeling of transient three-dimensional root growth and soil water flow. Plant and Soil, 1994, 164, 299-314.	3.7	218
139	Estimation of in situ unsaturated soil hydraulic functions from scaled cumulative drainage data. Water Resources Research, 1994, 30, 2387-2394.	4.2	33
140	Unsaturated Hydraulic Conductivity from Transient Multistep Outflow and Soil Water Pressure Data. Soil Science Society of America Journal, 1994, 58, 687-695.	2.2	144
141	Water Flow in Soils. Soil Science, 1994, 157, 264.	0.9	5
142	Optimization of Hydraulic Functions from Transient Outflow and Soil Water Pressure Data. Soil Science Society of America Journal, 1993, 57, 1167-1175.	2.2	157
143	Reevaluation of the Evaporation Method for Determining Hydraulic Functions in Unsaturated Soils. Soil Science Society of America Journal, 1993, 57, 1436-1443.	2.2	142
144	Spatial and Seasonal Variation of Furrow Infiltration. Journal of Irrigation and Drainage Engineering - ASCE, 1993, 119, 74-90.	1.0	49

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145	PLOTSIZE AND SAMPLE NUMBER FOR NEUTRON PROBE MEASUREMENTS IN SMALL FIELD TRIALS. Soil Science, 1993, 156, 213-224.	0.9	50
146	X-ray Tomography of Soil Water Distribution in One-step Outflow Experiments. Soil Science Society of America Journal, 1992, 56, 355-362.	2.2	68
147	Time Domain Reflectometry Calibration for Uniformly and Nonuniformly Wetted Sandy and Clayey Loam Soils. Soil Science Society of America Journal, 1992, 56, 1341-1345.	2.2	106
148	Two-dimensional Analysis of Furrow Infiltration. Journal of Irrigation and Drainage Engineering - ASCE, 1992, 118, 791-806.	1.0	24
149	Simultaneous scaling of soil water retention and hydraulic conductivity curves. Water Resources Research, 1992, 28, 19-31.	4.2	49
150	In laboratory and field tests, water conditioners fail to improve infiltration or prevent clogging. California Agriculture, 1992, 46, 22-25.	0.8	0
151	Porous Media With Linearly Variable Hydraulic Properties. Water Resources Research, 1991, 27, 2735-2741.	4.2	101
152	Water quality and subsurface soil variabilities affect infiltration. California Agriculture, 1990, 44, 10-12.	0.8	3
153	Stochastic analysis of soil water regime in a watershed. Journal of Hydrology, 1989, 105, 57-84.	5.4	83
154	Prediction of solute breakthrough from scaled soil physical properties. Journal of Hydrology, 1989, 105, 263-273.	5.4	8
155	Calibration of a root water uptake model in spatially variable soils. Journal of Hydrology, 1988, 103, 53-65.	5.4	13
156	Application of a simple soil-water hysteresis model. Journal of Hydrology, 1988, 98, 21-29.	5.4	62
157	Two-dimensional steady state unsaturated water flow in heterogeneous soils with autocorrelated soil hydraulic properties. Water Resources Research, 1988, 24, 2005-2017.	4.2	82
158	Variation in evapotranspiration and capillary rise with changing soil profile characteristics. Agricultural Water Management, 1988, 13, 297-305.	5.6	14
159	Treatment of spatially variable groundwater levels in one-dimensional stochastic unsaturated water-flow modelling. Agricultural Water Management, 1988, 15, 19-36.	5.6	5
160	A comparison of various methods to scale soil hydraulic properties. Journal of Hydrology, 1987, 93, 241-256.	5.4	51
161	Presentation and application of an analytical model to describe soil hydraulic properties. Journal of Hydrology, 1986, 87, 135-143.	5.4	19
162	Temperature Dependence of Soil Water Retention Curves. Soil Science Society of America Journal, 1986, 50, 562-567.	2.2	61

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163	Calibration of a Dual-Energy Gamma Radiation System for Multiple Point Measurements in a Soil. <i>Water Resources Research</i> , 1986, 22, 1109-1114.	4.2	20
164	THERMAL CONDUCTIVITY OF TWO POROUS MEDIA AS A FUNCTION OF WATER CONTENT, TEMPERATURE, AND DENSITY. <i>Soil Science</i> , 1986, 142, 187-195.	0.9	76
165	Combined effect of hysteresis and temperature on soil-water movement. <i>Journal of Hydrology</i> , 1986, 83, 161-171.	5.4	19
166	Effect of Temperature-Dependent Hydraulic Properties on Soil Water Movement. <i>Soil Science Society of America Journal</i> , 1985, 49, 51-58.	2.2	29
167	Geophysical Methods for Field-Scale Imaging of Root Zone Properties and Processes. <i>SSSA Special Publication Series</i> , 0, , 247-282.	0.2	13
168	Electrical Resistivity Tomography of the Root Zone. <i>SSSA Special Publication Series</i> , 0, , 223-245.	0.2	6
169	Applications of Neutron Imaging in Soil-Water-Root Systems. <i>SSSA Special Publication Series</i> , 0, , 113-136.	0.2	6