J S Selker

List of Publications by Year
in descending order

202 papers	9,033 citations	47006 47 h-index	51608 86 g-index
219 all docs	219 docs citations	219 times ranked	7110 citing authors

#	Article	IF	Citations
1	Identifying and quantifying sources of temporal and spatial uncertainty in assessing salmonid responses to <scp>watershedâ€scale</scp> restoration. River Research and Applications, 2022, 38, 884-894.	1.7	2
2	Weed Warden: A Low-Cost Weed Detection Device Implemented with Spectral Triad Sensor for Agricultural Applications. HardwareX, 2022, 11, e00303.	2.2	2
3	Fiber Optic Measurements of Soil Moisture in a Waste Rock Pile. Ground Water, 2021, 59, 549-561.	1.3	2
4	SitkaNet: A low-cost, distributed sensor network for landslide monitoring and study. HardwareX, 2021, 9, e00191.	2.2	15
5	eGreenhouse: Robotically positioned, low-cost, open-source CO2 analyzer and sensor device for greenhouse applications. HardwareX, 2021, 9, e00193.	2.2	7
6	Nitrogen inputs best predict farm field nitrate leaching in the Willamette Valley, Oregon. Nutrient Cycling in Agroecosystems, 2021, 120, 223-242.	2.2	6
7	Highâ€resolution temperature modeling of stream reconstruction alternatives. River Research and Applications, 2021, 37, 931-942.	1.7	0
8	The motion of trees in the wind: a data synthesis. Biogeosciences, 2021, 18, 4059-4072.	3.3	28
9	Comparison of fiber-optic distributed temperature sensing and high-sensitivity sensor spatial surveying of stream temperature. Journal of Hydrology, 2021, 603, 127015.	5.4	4
10	Hypnos board: A low-cost all-in-one solution for environment sensor power management, data storage, and task scheduling. HardwareX, 2021, 10, e00213.	2.2	7
11	High precision zero-friction magnetic dendrometer. HardwareX, 2021, 10, e00248.	2.2	2
12	Model selection and timing of acquisition date impacts classification accuracy: A case study using hyperspectral imaging to detect white pine blister rust over time. Computers and Electronics in Agriculture, 2021, 191, 106555.	7.7	4
13	Optical Fiber-Based Distributed Sensing Methods. Springer Handbooks, 2021, , 609-631.	0.6	8
14	Discussion: â€œMeadow Restoration Increases Baseflow and Groundwater Storage in the Sierra Nevada Mountains of Californiaâ€•by Luke J.H. Hunt, Julie Fair, and Maxwell Odland. Journal of the American Water Resources Association, 2020, 56, 182-185.	2.4	6
15	Peak grain forecasts for the US High Plains amid withering waters. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 26145-26150.	7.1	12
16	Homogenization of the terrestrial water cycle. Nature Geoscience, 2020, 13, 656-658.	12.9	242
17	Coupling highâ€resolution monitoring and modelling to verify restorationâ€based temperature improvements. River Research and Applications, 2020, 36, 1430-1441.	1.7	2
18	Using Hyperspectral Imagery to Detect an Invasive Fungal Pathogen and Symptom Severity in Pinus strobiformis Seedlings of Different Genotypes. Remote Sensing, 2020, 12, 4041.	4.0	15

#	Article	IF	Citations
19	Distributed observations of wind direction using microstructures attached to actively heated fiber-optic cables. Atmospheric Measurement Techniques, 2020, 13, 1563-1573.	3.1	13
20	Streamflow Recession Analysis Using Water Height. Water Resources Research, 2020, 56, e2020WR027091.	4.2	3
21	Low-cost and precise inline pressure sensor housing and DAQ for use in laboratory experiments. HardwareX, 2020, 8, e00112.	2.2	6
22	Mixing and finger morphologies in miscible non-Newtonian solution displacement. Experiments in Fluids, 2020, 61, 1.	2.4	6
23	Advancing ecohydrology in the 21st century: A convergence of opportunities. Ecohydrology, 2020, 13, e2208.	2.4	34
24	Recession analysis revisited: impacts of climate on parameter estimation. Hydrology and Earth System Sciences, 2020, 24, 1159-1170.	4.9	32
25	Lessons in New Measurement Technologies: From Instrumenting Trees to the Trans-African Hydrometeorological Observatory. Ecological Studies, 2020, , 131-144.	1.2	3
26	Revisiting wind speed measurements using actively heated fiber optics: a wind tunnel study. Atmospheric Measurement Techniques, 2020, 13, 5423-5439.	3.1	14
27	Classifying the nocturnal atmospheric boundary layer into temperature and flow regimes. Quarterly Journal of the Royal Meteorological Society, 2019, 145, 1515-1534.	2.7	20
28	HyperRail: Modular, 3D printed, 1â€“100â€¯m, programmable, and low-cost linear motion control system for imaging and sensor suites. HardwareX, 2019, 6, e00081.	2.2	7
29	Influences of Macropores on Infiltration into Seasonally Frozen Soil. Vadose Zone Journal, 2019, 18, 1-14.	2.2	37
30	Further Analysis of the Development of Vadose Water Profiles Over Deep Aquifers With Minimal Recharge. Water Resources Research, 2019, 55, 7929-7938.	4.2	0
31	Seasonal dynamics of internal waves governed by stratification stability and wind: Analysis of highâ€resolution observations from the Dead Sea. Limnology and Oceanography, 2019, 64, 1864-1882.	3.1	12
32	Reply to Comment by N. Shokri on â€œAnalytical Estimation Show Low Depthâ€Independent Water Loss Due to Vapor Flux From Deep Aquifersâ€• Water Resources Research, 2019, 55, 3599-3602.	4.2	2
33	The influence of land-cover changes on the variability of saturated hydraulic conductivity in tropical peatlands. Mitigation and Adaptation Strategies for Global Change, 2019, 24, 535-555.	2.1	25
34	Comment on â€œBase Flow Recession from Unsaturatedâ€Saturated Porous Media considering Lateral Unsaturated Discharge and Aquifer Compressibilityâ€•by Liang, X., H. Zhan, Y.â€K. Zhang, and K. Schilling (2017). Water Resources Research, 2018, 54, 3217-3219.	4.2	2
35	Measurements and Observations in the XXI century (MOXXI): innovation and multi-disciplinarity to sense the hydrological cycle. Hydrological Sciences Journal, 2018, 63, 169-196.	2.6	151
36	Improved Characterization of Groundwater Flow in Heterogeneous Aquifers Using Granular Polyacrylamide (PAM) Gel as Temporary Grout. Water Resources Research, 2018, 54, 1410-1419.	4.2	15

#	Article	IF	Citations
37	A physical framework for evaluating net effects of wet meadow restoration on lateâ€summer streamflow. Ecohydrology, 2018, 11, e1953.	2.4	17
38	Tree Sway Time Series of 7 Amazon Tree Species (July 2015â€“May 2016). Frontiers in Earth Science, 2018, 6, .	1.8	1
39	The Intensively Managed Landscape Critical Zone Observatory: A Scientific Testbed for Understanding Critical Zone Processes in Agroecosystems. Vadose Zone Journal, 2018, 17, 1-21.	2.2	31
40	Remarkable agrivoltaic influence on soil moisture, micrometeorology and water-use efficiency. PLoS ONE, 2018, 13, e0203256.	2.5	155
41	Skin Effect of Fresh Water Measured Using Distributed Temperature Sensing. Water (Switzerland), 2018, 10, 214.	2.7	9
42	Investigating Water Movement Within and Near Wells Using Active Point Heating and Fiber Optic Distributed Temperature Sensing. Sensors, 2018, 18, 1023.	3.8	22
43	Neutrally buoyant tracers in hydrogeophysics: Field demonstration in fractured rock. Geophysical Research Letters, 2017, 44, 3663-3671.	4.0	14
44	Failure of Taylor's hypothesis in the atmospheric surface layer and its correction for eddyâ€covariance measurements. Geophysical Research Letters, 2017, 44, 4287-4295.	4.0	54
45	Introduction and evaluation of a <scp>W</scp>eibull hydraulic conductivityâ€pressure head relationship for unsaturated soils. Water Resources Research, 2017, 53, 4956-4964.	4.2	14
46	Validation of IMERG Precipitation in Africa. Journal of Hydrometeorology, 2017, 18, 2817-2825.	1.9	95
47	An explicit, parsimonious, and accurate estimate for ponded infiltration into soils using the<scp> G</scp>reen and<scp> A</scp>mpt approach. Water Resources Research, 2017, 53, 7481-7487.	4.2	21
48	Improved streamflow recession parameter estimation with attention to calculation of â^' dQ/dt. Advances in Water Resources, 2017, 108, 29-43.	3.8	43
49	Analytical estimation show low depthâ€independent water loss due to vapor flux from deep aquifers. Water Resources Research, 2017, 53, 4562-4563.	4.2	9
50	Measuring Tree Properties and Responses Using Low-Cost Accelerometers. Sensors, 2017, 17, 1098.	3.8	38
51	Wind enhances differential air advection in surface snow at sub-meter scales. Cryosphere, 2017, 11, 2075-2087.	3.9	3
52	A low-cost acoustic permeameter. Geoscientific Instrumentation, Methods and Data Systems, 2017, 6, 199-207.	1.6	1
53	Attenuation of wind-induced pressure perturbations in alpine snow. Journal of Glaciology, 2016, 62, 674-683.	2.2	3
54	Practical considerations for enhanced-resolution coil-wrapped distributed temperature sensing. Geoscientific Instrumentation, Methods and Data Systems, 2016, 5, 151-162.	1.6	16

#	Article	IF	Citations
55	A Unified Model for Soil Shrinkage, Subsidence, and Cracking. Vadose Zone Journal, 2016, 15, 1-15.	2.2	40
56	Thermohaline stratification and double diffusion diapycnal fluxes in the hypersaline Dead Sea. Limnology and Oceanography, 2016, 61, 1214-1231.	3.1	42
57	Calibration of soil moisture sensing with subsurface heated fiber optics using numerical simulation. Water Resources Research, 2016, 52, 2985-2995.	4.2	31
58	Modeling multidomain hydraulic properties of shrink-swell soils. Water Resources Research, 2016, 52, 7911-7930.	4.2	24
59	Assimilation of temperature and hydraulic gradients for quantifying the spatial variability of streambed hydraulics. Water Resources Research, 2016, 52, 6419-6439.	4.2	10
60	Mapping highâ€resolution soil moisture and properties using distributed temperature sensing data and an adaptive particle batch smoother. Water Resources Research, 2016, 52, 7690-7710.	4.2	16
61	Distributed <scp>T</scp>emperature <scp>S</scp>ensing as a downhole tool in hydrogeology. Water Resources Research, 2016, 52, 9259-9273.	4.2	91
62	Highâ€resolution wind speed measurements using actively heated fiber optics. Geophysical Research Letters, 2015, 42, 10,064.	4.0	57
63	Thermal-plume fibre optic tracking (T-POT) test for flow velocity measurement in groundwater boreholes. Geoscientific Instrumentation, Methods and Data Systems, 2015, 4, 197-202.	1.6	17
64	Bed conduction impact on fiber optic distributed temperature sensing water temperature measurements. Geoscientific Instrumentation, Methods and Data Systems, 2015, 4, 19-22.	1.6	3
65	A new instrument to measure plot-scale runoff. Geoscientific Instrumentation, Methods and Data Systems, 2015, 4, 57-64.	1.6	10
66	Hillslope run-off thresholds with shrink-swell clay soils. Hydrological Processes, 2015, 29, 557-571.	2.6	43
67	Near-Surface Motion in the Nocturnal, Stable Boundary Layer Observed with Fibre-Optic Distributed Temperature Sensing. Boundary-Layer Meteorology, 2015, 154, 189-205.	2.3	48
68	Quantification and Scaling of Infiltration and Percolation from a Constructed Wetland. Journal of Hydrologic Engineering - ASCE, 2015, 20, .	1.9	3
69	Nondestructive Quantification of Macropore Volume using Shear-Thinning Fluid. Soil Science Society of America Journal, 2014, 78, 445-453.	2.2	16
70	Learning from the scientific legacies of W. Brutsaert and J.-Y. Parlange. Water Resources Research, 2014, 50, 1856-1857.	4.2	0
71	Assessment of current and potential yield of hand-dug wells in a semi-arid zone in south-central Chile using an analytical methodology. Chilean Journal of Agricultural Research, 2014, 74, 219-224.	1.1	2
72	Active-distributed temperature sensing to continuously quantify vertical flow in boreholes. Water Resources Research, 2014, 50, 3706-3713.	4.2	59

#	Article	IF	Citations
73	The Transâ€African Hydroâ€Meteorological Observatory (<scp>TAHMO</scp>). Wiley Interdisciplinary Reviews: Water, 2014, 1, 341-348.	6.5	102
74	Design of Managed Aquifer Recharge for Agricultural and Ecological Water Supply Assessed Through Numerical Modeling. Water Resources Management, 2014, 28, 4971-4984.	3.9	25
75	Practical strategies for identifying groundwater discharges into sediment and surface water with fiber optic temperature measurement. Environmental Sciences: Processes and Impacts, 2014, 16, 1772-1778.	3.5	4
76	Correcting artifacts in transition to a wound optic fiber: Example from high-resolution temperature profiling in the Dead Sea. Water Resources Research, 2014, 50, 5329-5333.	4.2	11
77	Heated Fiber Optic Distributed Temperature Sensing: A Dualâ€Probe Heatâ€Pulse Approach. Vadose Zone Journal, 2014, 13, 1-10.	2.2	35
78	Flume testing of underwater seep detection using temperature sensing on or just below the surface of sand or gravel sediments. Water Resources Research, 2014, 50, 4530-4534.	4.2	6
79	Comment on â€œCapabilities and limitations of tracing spatial temperature patterns by fiberâ€optic distributed temperature sensingâ€•by Liliana Rose et al.. Water Resources Research, 2014, 50, 5372-5374.	4.2	24
80	Mapping variability of soil water content and flux across 1â€“1000 m scales using the <scp>A</scp>ctively <scp>H</scp>eated <scp>F</scp>iber <scp>O</scp>ptic method. Water Resources Research, 2014, 50, 7302-7317.	4.2	65
81	High-resolution temperature sensing in the Dead Sea using fiber optics. Water Resources Research, 2014, 50, 1756-1772.	4.2	22
82	Evaporation from a shallow water table: Diurnal dynamics of water and heat at the surface of drying sand. Water Resources Research, 2013, 49, 4022-4034.	4.2	49
83	Solute and sediment transport at laboratory and field scale: Contributions of J.-Y. Parlange. Water Resources Research, 2013, 49, 6111-6136.	4.2	9
84	Thermal diffusivity of seasonal snow determined from temperature profiles. Advances in Water Resources, 2013, 55, 121-130.	3.8	30
85	Modeling effect of initial soil moisture on sorptivity and infiltration. Water Resources Research, 2013, 49, 7037-7047.	4.2	46
86	The importance of hydraulic groundwater theory in catchment hydrology: The legacy of Wilfried Brutsaert and Jean-Yves Parlange. Water Resources Research, 2013, 49, 5099-5116.	4.2	114
87	Lateâ€time drainage from a sloping Boussinesq aquifer. Water Resources Research, 2013, 49, 7498-7507.	4.2	22
88	Pore scale consideration in unstable gravity driven finger flow. Water Resources Research, 2013, 49, 7815-7819.	4.2	15
89	An Image-Based Method for Determining Bulk Density and the Soil Shrinkage Curve. Soil Science Society of America Journal, 2012, 76, 1217-1221.	2.2	28
90	Measurement Tool for Dynamics of Soil Cracks. Vadose Zone Journal, 2012, 11, vzj2011.0048.	2.2	13

#	Article	IF	Citations
91	Hydraulic redistribution by two semi-arid shrub species: Implications for Sahelian agro-ecosystems. Journal of Arid Environments, 2012, 83, 69-77.	2.4	52
92	Carbon monoxide as a tracer of gas transport in snow and other natural porous media. Geophysical Research Letters, 2012, 39, .	4.0	13
93	A resonating rainfall and evaporation recorder. Water Resources Research, 2012, 48, .	4.2	12
94	Double-Ended Calibration of Fiber-Optic Raman Spectra Distributed Temperature Sensing Data. Sensors, 2012, 12, 5471-5485.	3.8	167
95	High-Resolution Fibre-Optic Temperature Sensing: A New Tool to Study the Two-Dimensional Structure of Atmospheric Surface-Layer Flow. Boundary-Layer Meteorology, 2012, 142, 177-192.	2.3	79
96	Shade estimation over streams using distributed temperature sensing. Water Resources Research, 2011, 47, .	4.2	27
97	Evolution of superficial lake water temperature profile under diurnal radiative forcing. Water Resources Research, 2011, 47, .	4.2	44
98	Unconfined Aquifer Permeability near hand-dug Wells in the Coastal and Interior dryland of the Libertador General Bernardo O'Higgins Region, Chile. Chilean Journal of Agricultural Research, 2011, 71, 267-274.	1.1	3
99	Corrigendum to "A distributed stream temperature model using high resolution temperature observations" published in Hydrol. Earth Syst. Sci., 11, 1469â€“1480, 2007. Hydrology and Earth System Sciences, 2011, 15, 3091-3091.	4.9	1
100	Calibrating Single-Ended Fiber-Optic Raman Spectra Distributed Temperature Sensing Data. Sensors, 2011, 11, 10859-10879.	3.8	205
101	Longâ€Term Nitrate Leaching Under Vegetable Production with Cover Crops in the Pacific Northwest. Soil Science Society of America Journal, 2010, 74, 186-195.	2.2	39
102	Feasibility of soil moisture monitoring with heated fiber optics. Water Resources Research, 2010, 46, .	4.2	173
103	Stream Temperature Response to Three Riparian Vegetation Scenarios by Use of a Distributed Temperature Validated Model. Environmental Science & Technology, 2010, 44, 2072-2078.	10.0	65
104	On the Diurnal Soil Water Content Dynamics during Evaporation using Dielectric Methods. Vadose Zone Journal, 2010, 9, 709-718.	2.2	21
105	Estimation of urban sensible heat flux using a dense wireless network of observations. Environmental Fluid Mechanics, 2009, 9, 635-653.	1.6	47
106	The ah ha moment of measurement: Introduction to the special section on Hydrologic Measurement Methods. Water Resources Research, 2009, 45, .	4.2	4
107	Editorial: Building on the legacy of Water Resources Research. Water Resources Research, 2009, 45, .	4.2	2
108	Effective Darcyâ€scale contact angles in porous media imbibing solutions of various surface tensions. Water Resources Research, 2009, 45, .	4.2	19

#	Article	IF	Citations
109	Environmental temperature sensing using Raman spectra DTS fiberâ€optic methods. Water Resources Research, 2009, 45, .	4.2	293
110	Tension infiltrometer enhancements with automated pneumatic control and more durable base plate. Water Resources Research, 2009, 45, .	4.2	1
111	Time scale and intensity dependency in multiplicative cascades for temporal rainfall disaggregation. Water Resources Research, 2009, 45, .	4.2	58
112	New User Facility for Environmental Sensing. Eos, 2009, 90, 483.	0.1	6
113	Measuring Soil Moisture in a Heterogeneous Field. , 2009, , .		0
114	Subgrid-Scale Dynamics of Water Vapour, Heat, and Momentum over a Lake. Boundary-Layer Meteorology, 2008, 128, 205-228.	2.3	40
115	Taking the Temperature of Ecological Systems With Fiber Optics: Fiber Optic Distributed Temperature Sensing for Ecological Characterization; Blue River, Oregon, 10-15 September 2007. Eos, 2008, 89, 187-187.	0.1	10
116	Processes Controlling the Thermal Regime of Saltmarsh Channel Beds. Environmental Science & Technology, 2008, 42, 671-676.	10.0	45
117	Spatially distributed temperatures at the base of two mountain snowpacks measured with fiber-optic sensors. Journal of Glaciology, 2008, 54, 673-679.	2.2	75
118	Soil Moisture Measurement for Ecological and Hydrological Watershedâ€Scale Observatories: A Review. Vadose Zone Journal, 2008, 7, 358-389.	2.2	811
119	Soil water balance of annual cropâ€“native shrub systems in Senegal's Peanut Basin: The missing link. Agricultural Water Management, 2007, 90, 137-148.	5.6	49
120	A simple accurate method to predict time of ponding under variable intensity rainfall. Water Resources Research, 2007, 43, .	4.2	56
121	A glass always half full: Reconsideration of the Wales apparatus to apply constant head boundary conditions. Water Resources Research, 2007, 43, .	4.2	0
122	A distributed stream temperature model using high resolution temperature observations. Hydrology and Earth System Sciences, 2007, 11, 1469-1480.	4.9	184
123	Correction of the Buckinghamâ€“Darcy Law for flow of high strength salts in variably saturated porous media. Advances in Water Resources, 2007, 30, 469-482.	3.8	2
124	The Local Geometry of Gas Injection into Saturated Homogeneous Porous Media. Transport in Porous Media, 2007, 68, 107-127.	2.6	69
125	Visualization and modeling of the colonization dynamics of a bioluminescent bacterium in variably saturated, translucent quartz sand. Advances in Water Resources, 2007, 30, 1593-1607.	3.8	13
126	Effects of sodium chloride on constitutive relations in variably saturated porous media. Water Resources Research, 2006, 42, .	4.2	7

#	Article	IF	Citations
127	Observations of gas flow in porous media using a light transmission technique. Water Resources Research, 2006, 42, .	4.2	4
128	Impact of microbial growth on water flow and solute transport in unsaturated porous media. Water Resources Research, 2006, 42, .	4.2	44
129	Survey provides guidance for consortium's hydrologic measurement facility. Eos, 2006, 87, 222.	0.1	3
130	Methods for colloid transport visualization in pore networks. Water Resources Research, 2006, 42, .	4.2	38
131	On the use of the Boussinesq equation for interpreting recession hydrographs from sloping aquifers. Water Resources Research, 2006, 42, .	4.2	136
132	Distributed fiber-optic temperature sensing for hydrologic systems. Water Resources Research, 2006, 42, .	4.2	472
133	Seasonal soil water variation and root patterns between two semi-arid shrubs co-existing with Pearl millet in Senegal, West Africa. Journal of Arid Environments, 2006, 67, 436-455.	2.4	68
134	Diuron in Surface Runoff and Tile Drainage from Two Grass-Seed Fields. Journal of Environmental Quality, 2006, 35, 303-311.	2.0	14
135	Fiber optics opens window on stream dynamics. Geophysical Research Letters, 2006, 33, .	4.0	227
136	Thermodynamic Correction for Salts in Variably Saturated Porous Media. Transport in Porous Media, 2006, 63, 381-398.	2.6	5
137	Information, artifacts, and noise in dQ/dtâ^'Q recession analysis. Advances in Water Resources, 2006, 29, 154-160.	3.8	112
138	Similarity solution of axisymmetric flow in porous media. Advances in Water Resources, 2005, 28, 1076-1082.	3.8	14
139	Experimental Observations and Numerical Modeling of Coupled Microbial and Transport Processes in Variably Saturated Sand. Vadose Zone Journal, 2005, 4, 407-417.	2.2	36
140	On the critical salt concentrations for particle detachment in homogeneous sand and heterogeneous Hanford sediments. Geoderma, 2005, 124, 121-132.	5.1	30
141	An environmentally driven time-integrating water sampler. Water Resources Research, 2005, 41, .	4.2	2
142	Drainage of a horizontal Boussinesq aquifer with a power law hydraulic conductivity profile. Water Resources Research, 2005, 41, .	4.2	62
143	Coupled Microbial and Transport Processes in Soils. Vadose Zone Journal, 2004, 3, 368-383.	2.2	52
144	Migration of saline solutions in variably saturated porous media. Journal of Contaminant Hydrology, 2004, 72, 109-133.	3.3	22

#	Article	IF	Citations
145	Analytical methods for estimating saturated hydraulic conductivity in a tile-drained field. Journal of Hydrology, 2004, 289, 111-127.	5.4	21
146	Coupled Microbial and Transport Processes in Soils. Vadose Zone Journal, 2004, 3, 368-383.	2.2	25
147	Use of porosity to estimate hydraulic properties of volcanic tuffs. Advances in Water Resources, 2003, 26, 561-571.	3.8	38
148	Influence of transitional volcanic strata on lateral diversion at Yucca Mountain, Nevada. Water Resources Research, 2003, 39, .	4.2	8
149	Water vapor transport in the vicinity of imbibing saline plumes: Homogeneous and layered unsaturated porous media. Water Resources Research, 2003, 39, .	4.2	14
150	Comment on â€œOn the continuum-scale modeling of gravity-driven fingers in unsaturated porous media: The inadequacy of the Richards equation with standard monotonic constitutive relations and hysteretic equations of stateâ€•by Mehdi Eliassi and Robert J. Gla. Water Resources Research, 2003, 39, .	4.2	7
151	Light Transmission Technique for the Evaluation of Colloidal Transport and Dynamics in Porous Media. Environmental Science & Technology, 2003, 37, 3694-3700.	10.0	39
152	Noninvasive Quantitative Measurement of Bacterial Growth in Porous Media under Unsaturated-Flow Conditions. Applied and Environmental Microbiology, 2002, 68, 3597-3605.	3.1	31
153	Relationships between gas-liquid interfacial surface area, liquid saturation, and light transmission in variably saturated porous media. Water Resources Research, 2002, 38, 10-1-10-12.	4.2	36
154	Using microsprinkler irrigation to reduce leaching in a shrink/swell clay soil. Agricultural Water Management, 2002, 54, 159-171.	5.6	25
155	Breaking the cycle of futility in Hydrosciences. Hydrological Processes, 2002, 16, 743-744.	2.6	0
156	Considerations for modeling bacterial-induced changes in hydraulic properties of variably saturated porous media. Advances in Water Resources, 2002, 25, 477-495.	3.8	76
157	Imbibition of saline solutions into dry and prewetted porous media. Advances in Water Resources, 2002, 25, 841-855.	3.8	26
158	Permeability Changes in Layered Sediments: Impact of Particle Release. Ground Water, 2002, 40, 466-474.	1.3	36
159	NLEAP Computer Model and Multiple Linear Regression Prediction of Nitrate Leaching in Vegetable Systems. HortTechnology, 2002, 12, 250-256.	0.9	4
160	A model that uses the induction phase of lux gene-dependent bioluminescence in Pseudomonas fluorescens HK44 to quantify cell density in translucent porous media. Journal of Microbiological Methods, 2001, 47, 315-322.	1.6	17
161	Osmotically Driven Water Vapor Transport in Unsaturated Soils. Soil Science Society of America Journal, 2001, 65, 1634-1641.	2.2	24
162	A new method for quantification of liquid saturation in 2D translucent porous media systems using light transmission. Advances in Water Resources, 2001, 24, 651-666.	3.8	121

#	Article	IF	Citations
163	Numerical estimation of multicomponent adsorption isotherms in preparative chromatography: implications of experimental error. Journal of Chromatography A, 2001, 934, 13-29.	3.7	22
164	A Modification to the Bouwer and Rice Method of Slug-Test Analysis for Large-Diameter, Hand-Dug Wells. Ground Water, 2001, 39, 308-314.	1.3	9
165	Analytical Solution for Normal Irrigation Distribution Parameters. Journal of Irrigation and Drainage Engineering - ASCE, 2001, 127, 45-48.	1.0	7
166	Effect of Soil-Particle Size Contrast on Capillary Barrier Performance. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2001, 127, 885-888.	3.0	23
167	Sprinkler Head Maintenance Effects on Water Application Uniformity. Journal of Irrigation and Drainage Engineering - ASCE, 2000, 126, 142-148.	1.0	34
168	Similarity solution of the Boussinesq equation. Advances in Water Resources, 2000, 23, 725-729.	3.8	50
169	Funneled flow mechanisms in a sloping layered soil: Laboratory investigation. Water Resources Research, 2000, 36, 841-849.	4.2	92
170	Field evaluation of passive capillary samplers for estimating groundwater recharge. Water Resources Research, 2000, 36, 2407-2416.	4.2	49
171	Green and Ampt infiltration into soils of variable pore size with depth. Water Resources Research, 1999, 35, 1685-1688.	4.2	38
172	Postharvest water requirements of peppermint. Communications in Soil Science and Plant Analysis, 1999, 30, 1657-1666.	1.4	0
173	EVALUATION OF PROBABILITY DENSITY FUNCTIONS IN PRECIPITATION MODELS FOR THE PACIFIC NORTHWEST. Journal of the American Water Resources Association, 1998, 34, 617-627.	2.4	15
174	Three-phase immiscible fluid movement in the vicinity of textural interfaces. Journal of Contaminant Hydrology, 1998, 32, 1-23.	3.3	37
175	Multifluid flow in bedded porous media: laboratory experiments and numerical simulations. Advances in Water Resources, 1998, 22, 169-183.	3.8	52
176	Evaluation of hydrodynamic scaling in porous media using finger dimensions. Water Resources Research, 1998, 34, 1935-1940.	4.2	26
177	Field sampling considerations for the stem nitrate test in peppermint. Communications in Soil Science and Plant Analysis, 1998, 29, 3073-3091.	1.4	0
178	Frequency distribution of water and solute transport properties derived from Pan sampler data. Water Resources Research, 1997, 33, 2655-2664.	4.2	26
179	Experimental investigations for trapping oxygen gas in saturated porous media for in situ bioremediation. Water Resources Research, 1997, 33, 2687-2696.	4.2	96
180	Design of interface shape for protective capillary barriers. Water Resources Research, 1997, 33, 259-260.	4.2	22

#	Article	IF	Citations
181	Nitrate Leaching under a Cereal Rye Cover Crop. Journal of Environmental Quality, 1997, 26, 181-188.	2.0	114
182	Fertilizer Diffusion in Container Medium. Journal of the American Society for Horticultural Science, 1997, 122, 122-128.	1.0	9
183	Suction Cup Sampler Bias in Leaching Characterization of an Undisturbed Field Soil. Water Resources Research, 1996, 32, 1173-1182.	4.2	25
184	An engineering approach to fingered vadose pollutant transport. Geoderma, 1996, 70, 197-206.	5.1	28
185	Characterization of Millerâ€Similar Silica Sands for Laboratory Hydrologic Studies. Soil Science Society of America Journal, 1996, 60, 1331-1339.	2.2	249
186	Field Evaluation of Passive Capillary Samplers. Soil Science Society of America Journal, 1996, 60, 1705-1713.	2.2	47
187	Applying Preferential Flow Concepts to Horticultural Water Management. HortTechnology, 1996, 6, 107-110.	0.9	2
188	Geometry and position of light nonaqueous-phase liquid lenses in water-wetted porous media. Journal of Contaminant Hydrology, 1995, 19, 269-287.	3.3	49
189	One-Dimensional Model to Evaluate the Performance of Wick Samplers in Soils. Soil Science Society of America Journal, 1995, 59, 88-92.	2.2	30
190	Using Short Soil Moisture Probes with Highâ€Bandwidth Time Domain Reflectometry Instruments. Soil Science Society of America Journal, 1995, 59, 97-102.	2.2	46
191	Unsaturated Hydraulic Conductivities of Fiberglass Wicks and Designing Capillary Wick Poreâ€Water Samplers. Soil Science Society of America Journal, 1994, 58, 721-729.	2.2	59
192	A Simple Equation for Predicting Preferential Flow Solute Concentrations. Journal of Environmental Quality, 1994, 23, 1058-1064.	2.0	106
193	SHORT TDR PROBES TO MEASURE WATER AND FERTILIZER ION GRADIENTS IN CONTAINER MEDIA. Hortscience: A Publication of the American Society for Hortcultural Science, 1994, 29, 742c-742.	1.0	0
194	Noninvasive Time Domain Reflectometry Moisture Measurement Probe. Soil Science Society of America Journal, 1993, 57, 934-936.	2.2	62
195	High Intensity Xâ€Ray and Tensiometer Measurements in Rapidly Changing Preferential Flow Fields. Soil Science Society of America Journal, 1993, 57, 1188-1192.	2.2	40
196	Fiberglass Wick Preparation for Use in Passive Capillary Wick Soil Pore-Water Samplers. Soil Science Society of America Journal, 1993, 57, 1474-1476.	2.2	39
197	Fiberglass Wicks for Sampling of Water and Solutes in the Vadose Zone. Soil Science Society of America Journal, 1992, 56, 701-707.	2.2	106
198	Wetting Front Instability in Homogeneous Sandy Soils under Continuous Infiltration. Soil Science Society of America Journal, 1992, 56, 1346-1350.	2.2	109

#	Article	IF	Citations
199	Fingered flow in two dimensions: 1. Measurement of matric potential. Water Resources Research, 1992, 28, 2513-2521.	4.2	89
200	Fingered flow in two dimensions: 2. Predicting finger moisture profile. Water Resources Research, 1992, 28, 2523-2528.	4.2	147
201	Comment on â€œTensiometer Data Acquisition System for Hydrological Studies Requiring High Temporal Resolutionâ€. Soil Science Society of America Journal, 1991, 55, 1803-1803.	2.2	1
202	Development and Testing of Singleâ€Parameter Precipitation Distributions. Water Resources Research, 1990, 26, 2733-2740.	4.2	40