

Shmuel Assouline

List of Publications by Year in descending order

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Version: 2024-02-01

147
papers

6,248
citations

71102

41
h-index

82547

72
g-index

154
all docs

154
docs citations

154
times ranked

5259
citing authors

#	ARTICLE	IF	CITATIONS
1	Unique Relationship Between Rate and Cumulative Flow: A Property of Infiltration and Evaporation in Soils. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	2
2	Crusts and seals: Structural. , 2022, , .		0
3	Compaction effects on evaporation and salt precipitation in drying porous media. <i>Hydrology and Earth System Sciences</i> , 2022, 26, 2499-2517.	4.9	5
4	Critical knowledge gaps and research priorities in global soil salinity. <i>Advances in Agronomy</i> , 2021, , 1-191.	5.2	151
5	Lorentzian Filter Correction of Turbulence Measurements on Oscillating Floating Platforms: Impact on Wind Spectra and Eddyâ€Covariance Fluxes. <i>Water Resources Research</i> , 2021, 57, e2020WR027583.	4.2	0
6	Quantifying Shallow Overland Flow Patterns Under Laboratory Simulations Using Thermal and LiDAR Imagery. <i>Water Resources Research</i> , 2021, 57, e2020WR028857.	4.2	7
7	Reducing Evaporation From Water Reservoirs Using Floating Lattice Structures. <i>Water Resources Research</i> , 2021, 57, e2021WR029670.	4.2	6
8	Frequency analysis of storm-scale soil erosion and characterization of extreme erosive events by linking the DWEPP model and a stochastic rainfall generator. <i>Science of the Total Environment</i> , 2021, 787, 147609.	8.0	10
9	The impact of tree phenology on the response of irrigated avocado: The hysteretic nature of the maximum trunk daily shrinkage. <i>Agricultural Water Management</i> , 2021, 256, 107104.	5.6	1
10	Modeling Transient Evaporation From Porous Media as a Succession of Steadyâ€State Steps. <i>Water Resources Research</i> , 2021, 57, e2021WR030245.	4.2	4
11	What Can We Learn From the Water Retention Characteristic of a Soil Regarding Its Hydrological and Agricultural Functions? Review and Analysis of Actual Knowledge. <i>Water Resources Research</i> , 2021, 57, e2021WR031026.	4.2	13
12	Lateral Flow and Contributing Area Control Vegetation Cover in a Semiarid Environment. <i>Water Resources Research</i> , 2021, 57, e2021WR030998.	4.2	4
13	On the Relationships Between Radar Reflectivity and Rainfall Rate and Kinetic Energy Resulting From a Weibull Drop Size Distribution. <i>Water Resources Research</i> , 2020, 56, e2020WR028156.	4.2	2
14	Mitigating the Impact of Irrigation With Effluent Water: Mixing With Freshwater and/or Adjusting Irrigation Management and Design. <i>Water Resources Research</i> , 2020, 56, e2020WR027781.	4.2	13
15	Infiltration from the Pedon to Global Grid Scales: An Overview and Outlook for Land Surface Modeling. <i>Vadose Zone Journal</i> , 2019, 18, 1-53.	2.2	56
16	Evaporation From Multilayered Heterogeneous Bare Soil Profiles. <i>Water Resources Research</i> , 2019, 55, 5770-5783.	4.2	7
17	A Simple Method to Design Irrigation Rate and Duration and Improve Water Use Efficiency. <i>Water Resources Research</i> , 2019, 55, 6295-6301.	4.2	10
18	Liquid and Vapor Water in Vadose Zone Profiles Above Deep Aquifers in Hyperâ€Arid Environments. <i>Water Resources Research</i> , 2019, 55, 3619-3631.	4.2	11

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19	Irrigation of Hass™ avocado: effects of constant vs. temporary water stress. <i>Irrigation Science</i> , 2019, 37, 451-460.	2.8	19
20	Effect of Water Surface Salinity on Evaporation: The Case of a Diluted Buoyant Plume Over the Dead Sea. <i>Water Resources Research</i> , 2018, 54, 1460-1475.	4.2	46
21	Diurnal Course of Evaporation From the Dead Sea in Summer: A Distinct Double Peak Induced by Solar Radiation and Night Sea Breeze. <i>Water Resources Research</i> , 2018, 54, 150-160.	4.2	23
22	The effect of irrigation level in the kernel dry matter accumulation period on almond yield, kernel dry weight, fruit count, and canopy size. <i>Irrigation Science</i> , 2018, 36, 1-8.	2.8	3
23	Modeling Rainfall-Runoff and Soil Erosion Processes on Hillslopes With Complex Rill Network Planform. <i>Water Resources Research</i> , 2018, 54, 10,117.	4.2	23
24	Avocado fertilization: Matching the periodic demand for nutrients. <i>Scientia Horticulturae</i> , 2018, 241, 231-240.	3.6	22
25	Seasonal and diurnal evaporation from a deep hypersaline lake: The Dead Sea as a case study. <i>Journal of Hydrology</i> , 2018, 562, 155-167.	5.4	33
26	Evaporation From Deep Aquifers in Arid Regions: Analytical Model for Combined Liquid and Vapor Water Fluxes. <i>Water Resources Research</i> , 2018, 54, 4805-4822.	4.2	32
27	Introduction and evaluation of a W - e bull hydraulic conductivity-pressure head relationship for unsaturated soils. <i>Water Resources Research</i> , 2017, 53, 4956-4964.	4.2	14
28	Insights from "The Hidden Half": The impact of root-zone oxygen and redox dynamics on the response of avocado to long-term irrigation with treated wastewater in clayey soil. <i>Israel Journal of Plant Sciences</i> , 2017, 64, 1-18.	0.5	8
29	Evaporation From Soil Containers With Irregular Shapes. <i>Water Resources Research</i> , 2017, 53, 8795-8806.	4.2	10
30	An explicit, parsimonious, and accurate estimate for ponded infiltration into soils using the G - A approach. <i>Water Resources Research</i> , 2017, 53, 7481-7487.	4.2	21
31	The foam drainage equation for drainage dynamics in unsaturated porous media. <i>Water Resources Research</i> , 2017, 53, 5706-5724.	4.2	6
32	Estimation of Intrinsic Length Scales of Flow in Unsaturated Porous Media. <i>Water Resources Research</i> , 2017, 53, 9980-9987.	4.2	8
33	High-Resolution Measurement of Topographic Changes in Agricultural Soils. <i>Vadose Zone Journal</i> , 2017, 16, 1-18.	2.2	8
34	Erosion and Lateral Surface Processes. <i>Vadose Zone Journal</i> , 2017, 16, 1-4.	2.2	13
35	Synchrotron microtomographic quantification of geometrical soil pore characteristics affected by compaction. <i>Soil</i> , 2016, 2, 211-220.	4.9	2
36	On the variability of the Priestley-Taylor coefficient over water bodies. <i>Water Resources Research</i> , 2016, 52, 150-163.	4.2	37

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37	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
38	Climate, not conflict, explains extreme Middle East dust storm. <i>Environmental Research Letters</i> , 2016, 11, 114013.	5.2	48
39	Combined Effect of Sodidity and Organic Matter on Soil Properties under Long-Term Irrigation with Treated Wastewater. <i>Vadose Zone Journal</i> , 2016, 15, 1-10.	2.2	27
40	Modeling Soil Processes: Review, Key Challenges, and New Perspectives. <i>Vadose Zone Journal</i> , 2016, 15, 1-57.	2.2	445
41	Scale dependence of Hortonian rainfall-runoff processes in a semiarid environment. <i>Water Resources Research</i> , 2016, 52, 5149-5166.	4.2	41
42	Deviations from unity of the ratio of the turbulent Schmidt to Prandtl numbers in stratified atmospheric flows over water surfaces. <i>Physical Review Fluids</i> , 2016, 1, .	2.5	15
43	The dual role of soil crusts in desertification. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 2108-2119.	3.0	41
44	Balancing water scarcity and quality for sustainable irrigated agriculture. <i>Water Resources Research</i> , 2015, 51, 3419-3436.	4.2	140
45	Irrigation with desalinated water: A step toward increasing water saving and crop yields. <i>Water Resources Research</i> , 2015, 51, 450-464.	4.2	40
46	Introduction to a special section on ecohydrology of semiarid environments: Confronting mathematical models with ecosystem complexity. <i>Water Resources Research</i> , 2015, 51, 8677-8683.	4.2	6
47	Natural length scales define the range of applicability of the Richards equation for capillary flows. <i>Water Resources Research</i> , 2015, 51, 7130-7144.	4.2	37
48	The effect of soil surface sealing on vegetation water uptake along a dry climatic gradient. <i>Water Resources Research</i> , 2015, 51, 7452-7466.	4.2	15
49	The effects of container geometry on water and heat regimes in soilless culture: lettuce as a case study. <i>Irrigation Science</i> , 2015, 33, 53-65.	2.8	18
50	Comment on "Column-scale unsaturated hydraulic conductivity estimates in coarse-textured homogeneous and layered soils derived under steady-state evaporation from a water table" by M. Sadeghi, M. Tuller, M.R. Gohardoust and S.B. Jones. <i>Journal of Hydrology</i> , 2015, 529, 1274-1276.	5.4	3
51	Temporal variability of soil water content in a semiarid hillslope across time scales: Effect of soil surface condition. <i>Journal of Arid Environments</i> , 2015, 112, 64-74.	2.4	4
52	Soil Surface Sealing Effect on Soil Moisture at a Semiarid Hillslope: Implications for Remote Sensing Estimation. <i>Remote Sensing</i> , 2014, 6, 7469-7490.	4.0	10
53	Analysis of the impact of surface layer properties on evaporation from porous systems using column experiments and modified definition of characteristic length. <i>Water Resources Research</i> , 2014, 50, 3933-3955.	4.2	49
54	Impact of ambient conditions on evaporation from porous media. <i>Water Resources Research</i> , 2014, 50, 6696-6712.	4.2	41

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55	Effects of heterogeneous soil-water diffusivity on vegetation pattern formation. <i>Water Resources Research</i> , 2014, 50, 5743-5758.	4.2	32
56	The concept of field capacity revisited: Defining intrinsic static and dynamic criteria for soil internal drainage dynamics. <i>Water Resources Research</i> , 2014, 50, 4787-4802.	4.2	120
57	Secondary dispersal driven by overland flow in drylands: Review and mechanistic model development. <i>Movement Ecology</i> , 2014, 2, 7.	2.8	22
58	Evaporation from a shallow water table: Diurnal dynamics of water and heat at the surface of drying sand. <i>Water Resources Research</i> , 2013, 49, 4022-4034.	4.2	49
59	Prediction of Unsaturated Relative Hydraulic Conductivity from Kosugi's Water Retention Function. <i>Procedia Environmental Sciences</i> , 2013, 19, 609-617.	1.4	9
60	Combined effect of irrigation regime and fruit load on the patterns of trunk-diameter variation of 'Hass' avocado at different phenological periods. <i>Agricultural Water Management</i> , 2013, 129, 87-94.	5.6	14
61	Infiltration into soils: Conceptual approaches and solutions. <i>Water Resources Research</i> , 2013, 49, 1755-1772.	4.2	170
62	The roles of fruit sink in the regulation of gas exchange and water uptake: A case study for avocado. <i>Agricultural Water Management</i> , 2013, 116, 21-28.	5.6	31
63	The foam drainage equation for unsaturated flow in porous media. <i>Water Resources Research</i> , 2013, 49, 6258-6265.	4.2	9
64	Prediction of spatially variable unsaturated hydraulic conductivity using scaled particle-size distribution functions. <i>Water Resources Research</i> , 2013, 49, 4219-4229.	4.2	27
65	The role of soil-surface sealing, microtopography, and vegetation patches in rainfall-runoff processes in semiarid areas. <i>Water Resources Research</i> , 2013, 49, 5585-5599.	4.2	104
66	Effect of Long-Term Irrigation with Treated Wastewater on the Root Zone Environment. <i>Vadose Zone Journal</i> , 2013, 12, 1-10.	2.2	51
67	Conceptual and Parametric Representation of Soil Hydraulic Properties: A Review. <i>Vadose Zone Journal</i> , 2013, 12, 1-20.	2.2	118
68	Plant Water Use Efficiency over Geological Time – Evolution of Leaf Stomata Configurations Affecting Plant Gas Exchange. <i>PLoS ONE</i> , 2013, 8, e67757.	2.5	27
69	Changes in Chemical Properties of Semiarid Soils under Long-Term Secondary Treated Wastewater Irrigation. <i>Soil Science Society of America Journal</i> , 2012, 76, 1358-1369.	2.2	65
70	Impact of Water Regime and Growing Conditions on Soil-Plant Interactions: From Single Plant to Field Scale. <i>Vadose Zone Journal</i> , 2012, 11, vjz2012.0006.	2.2	10
71	Response of 'Hass' avocado trees to irrigation management and root constraint. <i>Agricultural Water Management</i> , 2012, 104, 95-103.	5.6	23
72	Soil water content variability at the hillslope scale: Impact of surface sealing. <i>Water Resources Research</i> , 2012, 48, .	4.2	38

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73	Evaporation suppression from water reservoirs: Efficiency considerations of partial covers. <i>Water Resources Research</i> , 2011, 47, .	4.2	57
74	Effects of long-term irrigation with treated wastewater on the hydraulic properties of a clayey soil. <i>Water Resources Research</i> , 2011, 47, .	4.2	57
75	Evaporation from a reservoir with fluctuating water level: Correcting for limited fetch. <i>Journal of Hydrology</i> , 2011, 404, 146-156.	5.4	34
76	Soil Surface Sealing and Crusting. <i>Encyclopedia of Earth Sciences Series</i> , 2011, , 786-791.	0.1	4
77	Evaporation from partially covered water surfaces. <i>Water Resources Research</i> , 2010, 46, .	4.2	47
78	On the Diurnal Soil Water Content Dynamics during Evaporation using Dielectric Methods. <i>Vadose Zone Journal</i> , 2010, 9, 709-718.	2.2	21
79	Drop size distributions and kinetic energy rates in variable intensity rainfall. <i>Water Resources Research</i> , 2009, 45, .	4.2	18
80	Water uptake, active root volume, and solute leaching under drip irrigation: A numerical study. <i>Water Resources Research</i> , 2009, 45, .	4.2	24
81	Evaporation from three water bodies of different sizes and climates: Measurements and scaling analysis. <i>Advances in Water Resources</i> , 2008, 31, 160-172.	3.8	89
82	Evaporation from a small water reservoir: Direct measurements and estimates. <i>Journal of Hydrology</i> , 2008, 351, 218-229.	5.4	130
83	Characteristic lengths affecting evaporative drying of porous media. <i>Physical Review E</i> , 2008, 77, 056309.	2.1	358
84	Air entry ^{capillary} -based characteristic length for estimation of permeability of variably compacted earth materials. <i>Water Resources Research</i> , 2008, 44, .	4.2	14
85	Wind Spatial Variability and Topographic Wave Frequency. <i>Journal of Physical Oceanography</i> , 2008, 38, 2085-2096.	1.7	1
86	Dynamics of Soil Surface Bulk Density: Role of Water Table Elevation and Rainfall Duration. <i>Soil Science Society of America Journal</i> , 2008, 72, 412-423.	2.2	29
87	Response of Leucadendron "Safari Sunset"™ to regulated deficit irrigation: Effects of stress timing on growth and yield quality. <i>Agricultural Water Management</i> , 2007, 87, 162-170.	5.6	16
88	Estimating hydraulic properties of rainfall-induced soil surface seals from infiltration experiments and X-ray bulk density measurements. <i>Journal of Hydrology</i> , 2007, 341, 12-26.	5.4	29
89	A simple accurate method to predict time of ponding under variable intensity rainfall. <i>Water Resources Research</i> , 2007, 43, .	4.2	56
90	Effect of wind variability on topographic waves: Lake Kinneret case. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	17

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91	Runoff from heterogeneous small bare catchments during soil surface sealing. <i>Water Resources Research</i> , 2006, 42, .	4.2	56
92	Anisotropy factor of saturated and unsaturated soils. <i>Water Resources Research</i> , 2006, 42, .	4.2	33
93	Effects of rainfall intensity and slope gradient on the dynamics of interrill erosion during soil surface sealing. <i>Catena</i> , 2006, 66, 211-220.	5.0	267
94	Soil-Plant System Response to Pulsed Drip Irrigation and Salinity. <i>Soil Science Society of America Journal</i> , 2006, 70, 1556-1568.	2.2	73
95	Effects of a shading screen on microclimate and crop water requirements. <i>Irrigation Science</i> , 2006, 25, 171-181.	2.8	62
96	Hydraulic characteristics and water relations of net house-grown bell pepper as affected by irrigation regimes in a Mediterranean climate. <i>Environmental and Experimental Botany</i> , 2006, 57, 226-235.	4.2	9
97	Modeling the Relationship between Soil Bulk Density and the Hydraulic Conductivity Function. <i>Vadose Zone Journal</i> , 2006, 5, 697-705.	2.2	101
98	Modeling the Relationship between Soil Bulk Density and the Water Retention Curve. <i>Vadose Zone Journal</i> , 2006, 5, 554-563.	2.2	112
99	Infiltration. , 2006, , 7-1-7-18.		2
100	Effects of Effluent Irrigation on Seal Formation, Infiltration, and Soil Loss during Rainfall. <i>Soil Science Society of America Journal</i> , 2005, 69, 1432-1439.	2.2	41
101	High fertigation frequency and phosphorus level: Effects on summer-grown bell pepper growth and blossom-end rot incidence. <i>Plant and Soil</i> , 2005, 270, 135-146.	3.7	62
102	On the relationships between the pore size distribution index and characteristics of the soil hydraulic functions. <i>Water Resources Research</i> , 2005, 41, .	4.2	34
103	Use of Bulk Density Profiles from X-ray Radiography to Examine Structural Crust Models. <i>Soil Science Society of America Journal</i> , 2004, 68, 1169-1176.	2.2	24
104	Free Flow at the Interface of Porous Surfaces: A Generalization of the Taylor Brush Configuration. <i>Transport in Porous Media</i> , 2004, 54, 345-360.	2.6	22
105	Effects of management policies, including artificial recharge, on salinization in a sloping aquifer: The Israeli Coastal Aquifer case. <i>Water Resources Research</i> , 2004, 40, .	4.2	25
106	Comment on "Laboratory evaluation of a hydrodynamic inverse modeling method based on water content data" by S. Lambot, F. Hupet, M. Javaux, and M. Vanclooster. <i>Water Resources Research</i> , 2004, 40, .	4.2	1
107	Rainfall-Induced Soil Surface Sealing: A Critical Review of Observations, Conceptual Models, and Solutions. <i>Vadose Zone Journal</i> , 2004, 3, 570-591.	2.2	61
108	Rainfall-Induced Soil Surface Sealing: A Critical Review of Observations, Conceptual Models, and Solutions. <i>Vadose Zone Journal</i> , 2004, 3, 570-591.	2.2	204

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109	Title is missing!. Transport in Porous Media, 2003, 53, 75-94.	2.6	21
110	Effects of Water Applications and Soil Tillage on Water and Salt Distribution in a Vertisol. Soil Science Society of America Journal, 2003, 67, 852-858.	2.2	4
111	Effects of Water Applications and Soil Tillage on Water and Salt Distribution in a Vertisol. Soil Science Society of America Journal, 2003, 67, 852.	2.2	5
112	The Effects of Microdrip and Conventional Drip Irrigation on Water Distribution and Uptake. Soil Science Society of America Journal, 2002, 66, 1630-1636.	2.2	79
113	Modified Brinkman equation for a free flow problem at the interface of porous surfaces: The Cantor-Taylor brush configuration case. Water Resources Research, 2002, 38, 56-1-56-13.	4.2	32
114	Infiltration during soil sealing: The effect of areal heterogeneity of soil hydraulic properties. Water Resources Research, 2002, 38, 22-1-22-9.	4.2	63
115	Microdrip Irrigation of Field Crops. Soil Science Society of America Journal, 2002, 66, 228-235.	2.2	23
116	Tillage Effects on Water and Salt Distribution in a Vertisol during Effluent Irrigation and Rainfall. Agronomy Journal, 2002, 94, 1295-1304.	1.8	11
117	Modeling soil compaction under uniaxial compression. Soil Science Society of America Journal, 2002, 66, 1784-1787.	2.2	18
118	Microdrip Irrigation of Field Crops. Soil Science Society of America Journal, 2002, 66, 228.	2.2	19
119	A model for soil relative hydraulic conductivity based on the water retention characteristic curve. Water Resources Research, 2001, 37, 265-271.	4.2	94
120	Unsaturated hydraulic conductivity function based on a soil fragmentation process. Water Resources Research, 2001, 37, 1309-1312.	4.2	36
121	Soil seal formation and its effect on infiltration: Uniform versus nonuniform seal approximation. Water Resources Research, 2001, 37, 297-305.	4.2	16
122	Simulation of Non-enzymatic Template-directed Synthesis of Oligonucleotides and Peptides. Journal of Theoretical Biology, 2001, 208, 117-125.	1.7	17
123	Modeling the dynamics of soil seal formation: Analysis of the effect of soil and rainfall properties. Water Resources Research, 2000, 36, 2341-2349.	4.2	40
124	Tillage and Saline Irrigation Effects on Water and Salt Distribution in a Sloping Field. Soil Science Society of America Journal, 2000, 64, 2096-2102.	2.2	7
125	A probabilistic approach towards modeling the relationships between particle and pore size distributions: the multicomponent packed sphere case. Powder Technology, 1998, 96, 33-41.	4.2	58
126	Modeling the Disordered Dense Phase in the Packing of Binary Mixtures of Spheres. Journal of Colloid and Interface Science, 1998, 204, 87-92.	9.4	3

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127	A conceptual model of the soil water retention curve. <i>Water Resources Research</i> , 1998, 34, 223-231.	4.2	170
128	Modeling the dynamics of seal formation and its effect on infiltration as related to soil and rainfall characteristics. <i>Water Resources Research</i> , 1997, 33, 1527-1536.	4.2	122
129	Effect of Compaction on Soil Physical and Hydraulic Properties: Experimental Results and Modeling. <i>Soil Science Society of America Journal</i> , 1997, 61, 390.	2.2	117
130	Modelling the physical characteristics of simulated rainfall: a comparison with natural rainfall. <i>Journal of Hydrology</i> , 1997, 196, 336-347.	5.4	15
131	Modeling the relationships between particle and pore size distributions in multicomponent sphere packs: application to the water retention curve. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1997, 127, 201-210.	4.7	45
132	Spatial and Temporal Variability in Microclimate and Evaporation over Lake Kinneret: Experimental Evaluation. <i>Journal of Applied Meteorology and Climatology</i> , 1996, 35, 1076-1084.	1.7	17
133	Soil Sealing, Infiltration and Runoff. <i>Water Science and Technology Library</i> , 1996, , 131-181.	0.3	14
134	Reply [to "Comment on "Effect of Rainfall-Induced Soil Seals on Soil Water Regime: Wetting Processes" by Y. Mualem, S. Assouline, and D. Eltahan]. <i>Water Resources Research</i> , 1995, 31, 235-236.	4.2	4
135	Comment on "A partial contributing area model for linking rainfall simulation data with hydrographs of a small arid watershed" by J. Ben-Asher and G. Humborg. <i>Water Resources Research</i> , 1994, 30, 139-141.	4.2	1
136	Evaporation from Lake Kinneret: 1. Eddy correlation system measurements and energy budget estimates. <i>Water Resources Research</i> , 1993, 29, 901-910.	4.2	68
137	Evaporation from Lake Kinneret: 2. Estimation of the Horizontal variability using a two-dimensional numerical mesoscale model. <i>Water Resources Research</i> , 1993, 29, 911-916.	4.2	18
138	Estimation of lake hydrologic budget terms using the simultaneous solution of water, heat, and salt balances and a Kalman Filtering Approach: Application to Lake Kinneret. <i>Water Resources Research</i> , 1993, 29, 3041-3048.	4.2	50
139	Effect of rainfall-induced soil seals on soil water regime: Wetting processes. <i>Water Resources Research</i> , 1993, 29, 1651-1659.	4.2	37
140	Rainfall induced soil seal (C) A dynamic model with kinetic energy instead of cumulative rainfall as independent variable. <i>Catena</i> , 1990, 17, 289-303.	5.0	25
141	Rainfall induced soil seal (A) A critical review of observations and models. <i>Catena</i> , 1990, 17, 185-203.	5.0	93
142	Rainfall induced soil seal (B) Application of a new model to saturated soils. <i>Catena</i> , 1990, 17, 205-218.	5.0	13
143	The Similarity of Regional Rainfall: A Dimensionless Model of Drop Size Distribution. <i>Transactions of the American Society of Agricultural Engineers</i> , 1989, 32, 1216-1222.	0.9	24
144	Modeling soil seal as a nonuniform layer. <i>Water Resources Research</i> , 1989, 25, 2101-2108.	4.2	77

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145	Mathematical Model for Rain Drop Distribution and Rainfall Kinetic Energy. Transactions of the American Society of Agricultural Engineers, 1986, 29, 0494-0500.	0.9	31
146	Electrical Resistivity Tomography of the Root Zone. SSSA Special Publication Series, 0, , 223-245.	0.2	6
147	Computed Tomographic Evaluation of Earth Materials with Varying Resolutions. SSSA Special Publication Series, 0, , 97-112.	0.2	1