

JiÅÃ- Å imÅ¯ nek

List of Publications by Year in descending order

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223
papers

15,790
citations

20759

60
h-index

19136

118
g-index

224
all docs

224
docs citations

224
times ranked

9567
citing authors

#	ARTICLE	IF	CITATIONS
1	Seepage-evaporation controlled depletion of initially water-filled reservoirs on Earth and Mars: Analytic versus HYDRUS modeling. <i>Icarus</i> , 2022, 372, 114719.	1.1	2
2	A novel multiscale biophysical model to predict the fate of ionizable compounds in the soil-plant continuum. <i>Journal of Hazardous Materials</i> , 2022, 423, 127008.	6.5	12
3	Reservoir operation under accidental MTBE pollution: A graph-based conflict resolution framework considering spatial-temporal-quantitative uncertainties. <i>Journal of Hydrology</i> , 2022, 605, 127313.	2.3	8
4	Balancing exploitation and exploration: A novel hybrid global-local optimization strategy for hydrological model calibration. <i>Environmental Modelling and Software</i> , 2022, 150, 105341.	1.9	15
5	Seepage to staggered tunnels and subterranean cavities: Analytical and HYDRUS modeling. <i>Advances in Water Resources</i> , 2022, 164, 104182.	1.7	3
6	Optimizing drip irrigation with alternate use of fresh and brackish waters by analyzing salt stress: The experimental and simulation approaches. <i>Soil and Tillage Research</i> , 2022, 219, 105355.	2.6	11
7	Comparison of methods to estimate air-water interfacial areas for evaluating PFAS transport in the vadose zone. <i>Journal of Contaminant Hydrology</i> , 2022, 247, 103984.	1.6	13
8	Evaluating soil salts dynamics under biodegradable film mulching with different disintegration rates in an arid region with shallow and saline groundwater: Experimental and modeling study. <i>Geoderma</i> , 2022, 423, 115969.	2.3	14
9	Significance of Non-DLVO Interactions on the Co-Transport of Functionalized Multiwalled Carbon Nanotubes and Soil Nanoparticles in Porous Media. <i>Environmental Science & Technology</i> , 2022, 56, 10668-10680.	4.6	10
10	Evaluation of a Sprayable Biodegradable Polymer Membrane (SBPM) Technology for soil water conservation in tomato and watermelon production systems. <i>Agricultural Water Management</i> , 2021, 243, 106446.	2.4	8
11	Evaluating soil salt dynamics in a field drip-irrigated with brackish water and leached with freshwater during different crop growth stages. <i>Agricultural Water Management</i> , 2021, 244, 106601.	2.4	28
12	Comparison of ensemble data assimilation methods for the estimation of time-varying soil hydraulic parameters. <i>Journal of Hydrology</i> , 2021, 594, 125729.	2.3	6
13	Comparison of recharge from drywells and infiltration basins: A modeling study. <i>Journal of Hydrology</i> , 2021, 594, 125720.	2.3	8
14	On the Use of Mechanistic Soil-Plant Uptake Models: A Comprehensive Experimental and Numerical Analysis on the Translocation of Carbamazepine in Green Pea Plants. <i>Environmental Science & Technology</i> , 2021, 55, 2991-3000.	4.6	18
15	Performance of Spring and Summer-Sown Maize under Different Irrigation Strategies in Pakistan. <i>Sustainability</i> , 2021, 13, 2757.	1.6	1
16	Water table rise in urban shallow aquifer with vertically-heterogeneous soils: Girinski's potential revisited. <i>Hydrological Sciences Journal</i> , 2021, 66, 795-808.	1.2	8
17	Non-monotonic contribution of nonionic surfactant on the retention of functionalized multi-walled carbon nanotubes in porous media. <i>Journal of Hazardous Materials</i> , 2021, 407, 124874.	6.5	6
18	Evaluation of Subsurface Drip Irrigation Designs in a Soil Profile with a Capillary Barrier. <i>Water (Switzerland)</i> , 2021, 13, 1300.	1.2	4

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19	Adaptation and validation of the ParSWMS numerical code for simulation of water flow and solute transport in soilless greenhouse substrates. <i>Journal of Hydrology</i> , 2021, 596, 126053.	2.3	4
20	The Semi-Analytical Solution for Non-Equilibrium Solute Transport in Dual-Permeability Porous Media. <i>Water Resources Research</i> , 2021, 57, e2020WR029370.	1.7	5
21	Virus transport from drywells under constant head conditions: A modeling study. <i>Water Research</i> , 2021, 197, 117040.	5.3	7
22	Analytical traveling-wave solutions and HYDRUS modeling of wet wedges propagating into dry soils: Barenblatt's regime for Boussinesq's equation generalized. <i>Journal of Hydrology</i> , 2021, 598, 126413.	2.3	5
23	Development of the Hydrus-1D freezing module and its application in simulating the coupled movement of water, vapor, and heat. <i>Journal of Hydrology</i> , 2021, 598, 126250.	2.3	26
24	Impact of Drought and Changing Water Sources on Water Use and Soil Salinity of Almond and Pistachio Orchards: 1. Observations. <i>Soil Systems</i> , 2021, 5, 50.	1.0	4
25	Numerical modeling to optimize nitrogen fertigation with consideration of transient drought and nitrogen stress. <i>Agricultural Water Management</i> , 2021, 254, 106971.	2.4	10
26	Numerical Analysis of Soil Water Dynamics during Spinach Cultivation in a Soil Column with an Artificial Capillary Barrier under Different Irrigation Managements. <i>Water (Switzerland)</i> , 2021, 13, 2176.	1.2	2
27	Modelling Salinity and Sodicity Risks of Long-Term Use of Recycled Water for Irrigation of Horticultural Crops. <i>Soil Systems</i> , 2021, 5, 49.	1.0	4
28	Impact of Drought and Changing Water Sources on Water Use and Soil Salinity of Almond and Pistachio Orchards: 2. Modeling. <i>Soil Systems</i> , 2021, 5, 58.	1.0	4
29	Evaluating the effects of biodegradable and plastic film mulching on soil temperature in a drip-irrigated field. <i>Soil and Tillage Research</i> , 2021, 213, 105116.	2.6	27
30	Green Roofs for domestic wastewater treatment: Experimental and numerical analysis of nitrogen turnover. <i>Journal of Hydrology</i> , 2021, 603, 127132.	2.3	4
31	Modeling water and salinity risks to viticulture under prolonged sustained deficit and saline water irrigation. <i>Journal of Water and Climate Change</i> , 2020, 11, 901-915.	1.2	5
32	Management of soil salinity associated with irrigation of protected crops. <i>Agricultural Water Management</i> , 2020, 227, 105845.	2.4	57
33	Phreatic seepage flow through an earth dam with an impeding strip. <i>Computational Geosciences</i> , 2020, 24, 17-35.	1.2	9
34	Evidence for the critical role of nanoscale surface roughness on the retention and release of silver nanoparticles in porous media. <i>Environmental Pollution</i> , 2020, 258, 113803.	3.7	29
35	A Modified HYDRUS Model for Simulating PFAS Transport in the Vadose Zone. <i>Water (Switzerland)</i> , 2020, 12, 2758.	1.2	52
36	Estimation of vineyard soil structure and preferential flow using dye tracer, X-ray tomography, and numerical simulations. <i>Geoderma</i> , 2020, 380, 114699.	2.3	25

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37	Monitoring and modeling the coupled movement of water, vapor, and energy in arid areas. <i>Journal of Hydrology</i> , 2020, 590, 125528.	2.3	16
38	Dynamic assessment of the impacts of global warming on nitrate losses from a subsurface-drained rainfed-canola field. <i>Agricultural Water Management</i> , 2020, 242, 106420.	2.4	5
39	Modeling Water Flow and Phosphorus Sorption in a Soil Amended with Sewage Sludge and Olive Pomace as Compost or Biochar. <i>Agronomy</i> , 2020, 10, 1163.	1.3	15
40	Seepage to ditches and topographic depressions in saturated and unsaturated soils. <i>Advances in Water Resources</i> , 2020, 145, 103732.	1.7	7
41	Root water uptake under heterogeneous soil moisture conditions: an experimental study for unraveling compensatory root water uptake and hydraulic redistribution. <i>Plant and Soil</i> , 2020, 457, 421-435.	1.8	16
42	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.	1.7	13
43	In-Situ Monitoring and Characteristic Analysis of Freezing-Thawing Cycles in a Deep Vadose Zone. <i>Water (Switzerland)</i> , 2020, 12, 1261.	1.2	6
44	Scaling factors in HYDRUS to simulate a reduction in hydraulic conductivity during infiltration from recharge wells and infiltration basins. <i>Vadose Zone Journal</i> , 2020, 19, e20027.	1.3	7
45	A gaussian process-based iterative Ensemble Kalman Filter for parameter estimation of unsaturated flow. <i>Journal of Hydrology</i> , 2020, 589, 125210.	2.3	5
46	What is the worth of drain discharge and surface runoff data in hydrological simulations?. <i>Journal of Hydrology</i> , 2020, 587, 125030.	2.3	4
47	Simulation of Water and Salt Dynamics in the Soil Profile in the Semi-Arid Region of Tunisia—Evaluation of the Irrigation Method for a Tomato Crop. <i>Water (Switzerland)</i> , 2020, 12, 1594.	1.2	10
48	A smart capillary barrier-wick irrigation system for home gardens in arid zones. <i>Irrigation Science</i> , 2020, 38, 235-250.	1.3	14
49	Handling model complexity with parsimony: Numerical analysis of the nitrogen turnover in a controlled aquifer model setup. <i>Journal of Hydrology</i> , 2020, 584, 124681.	2.3	16
50	Evaluating soil nitrate dynamics in an intercropping dripped ecosystem using HYDRUS-2D. <i>Science of the Total Environment</i> , 2020, 718, 137314.	3.9	29
51	Groundwater recharge from drywells under constant head conditions. <i>Journal of Hydrology</i> , 2020, 583, 124569.	2.3	19
52	The effects of biodegradable and plastic film mulching on nitrogen uptake, distribution, and leaching in a drip-irrigated sandy field. <i>Agriculture, Ecosystems and Environment</i> , 2020, 292, 106817.	2.5	65
53	Numerical simulations of the effects furrow surface conditions and fertilizer locations have on plant nitrogen and water use in furrow irrigated systems. <i>Agricultural Water Management</i> , 2020, 232, 106044.	2.4	15
54	Investigating Atrazine Concentrations in the Zwischenscholle Aquifer Using MODFLOW with the HYDRUS-1D Package and MT3DMS. <i>Water (Switzerland)</i> , 2020, 12, 1019.	1.2	12

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55	A macroscopic soil-water transport model to simulate root water uptake in the presence of water and disease stress. <i>Journal of Hydrology</i> , 2020, 587, 124940.	2.3	16
56	Assessing the role of rainfall redirection techniques for arresting the land degradation under drip irrigated grapevines. <i>Journal of Hydrology</i> , 2020, 587, 125000.	2.3	18
57	Impact of long-term recycled water irrigation on crop yield and soil chemical properties. <i>Agricultural Water Management</i> , 2020, 237, 106167.	2.4	28
58	Sprayable Biodegradable Polymer Membrane Technology for Cropping Systems: Challenges and Opportunities. <i>Environmental Science & Technology</i> , 2020, 54, 4709-4711.	4.6	23
59	Implementation of Solute Transport in the Vadose Zone into the "HYDRUS Package for MODFLOW" Ground Water, 2019, 57, 392-408.	0.7	21
60	Numerical Modeling of Nitrate in a Flood-Irrigated Pecan Orchard. <i>Soil Science Society of America Journal</i> , 2019, 83, 555-564.	1.2	15
61	Nitrate subsurface transport and losses in response to its initial distributions in sloped soils: An experimental and modelling study. <i>Hydrological Processes</i> , 2019, 33, 3282-3296.	1.1	5
62	Modeling the Translocation and Transformation of Chemicals in the Soil-Plant Continuum: A Dynamic Plant Uptake Module for the HYDRUS Model. <i>Water Resources Research</i> , 2019, 55, 8967-8989.	1.7	27
63	Evaluating the effects of biodegradable film mulching on soil water dynamics in a drip-irrigated field. <i>Agricultural Water Management</i> , 2019, 226, 105788.	2.4	40
64	Modeling Virus Transport and Removal during Storage and Recovery in Heterogeneous Aquifers. <i>Journal of Hydrology</i> , 2019, 578, 124082.	2.3	13
65	Assessing salinity leaching efficiency in three soils by the HYDRUS-1D and -2D simulations. <i>Soil and Tillage Research</i> , 2019, 194, 104342.	2.6	50
66	Transport and retention of engineered silver nanoparticles in carbonate-rich sediments in the presence and absence of soil organic matter. <i>Environmental Pollution</i> , 2019, 255, 113124.	3.7	15
67	Physics-Informed Data-Driven Models to Predict Surface Runoff Water Quantity and Quality in Agricultural Fields. <i>Water (Switzerland)</i> , 2019, 11, 200.	1.2	28
68	Optimizing the riparian zone width near a river for controlling lateral migration of irrigation water and solutes. <i>Journal of Hydrology</i> , 2019, 570, 637-646.	2.3	9
69	Soil Compaction Effects on Root-Zone Hydrology and Vegetation in Boreal Forest Clearcuts. <i>Soil Science Society of America Journal</i> , 2019, 83, S105.	1.2	14
70	Minimizing Evaporation by Optimal Layering of Topsoil: Revisiting Ovsinsky's Smart Mulching-Tillage Technology Via Gardner-Warrick's Unsaturated Analytical Model and HYDRUS. <i>Water Resources Research</i> , 2019, 55, 3606-3618.	1.7	5
71	Soil salinization in very high-density olive orchards grown in southern Portugal: Current risks and possible trends. <i>Agricultural Water Management</i> , 2019, 217, 265-281.	2.4	33
72	The role of soil hydraulic properties in crop water use efficiency: A process-based analysis for some Brazilian scenarios. <i>Agricultural Systems</i> , 2019, 173, 364-377.	3.2	18

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73	On the Information Content of Cosmic-Ray Neutron Data in the Inverse Estimation of Soil Hydraulic Properties. <i>Vadose Zone Journal</i> , 2019, 18, 1-24.	1.3	29
74	Measuring full-range soil hydraulic properties for the prediction of crop water availability using gamma-ray attenuation and inverse modeling. <i>Agricultural Water Management</i> , 2019, 216, 294-305.	2.4	18
75	A pH-Based Pedotransfer Function for Scaling Saturated Hydraulic Conductivity Reduction: Improved Estimation of Hydraulic Dynamics in HYDRUS. <i>Vadose Zone Journal</i> , 2019, 18, 190072.	1.3	7
76	Drywell infiltration and hydraulic properties in heterogeneous soil profiles. <i>Journal of Hydrology</i> , 2019, 570, 598-611.	2.3	27
77	A coupled model for simulating water flow and solute transport in furrow irrigation. <i>Agricultural Water Management</i> , 2019, 213, 792-802.	2.4	11
78	A comparison of the HYDRUS (2D/3D) and SALTMed models to investigate the influence of various water-saving irrigation strategies on the maize water footprint. <i>Agricultural Water Management</i> , 2019, 213, 809-820.	2.4	61
79	Mechanisms of graphene oxide aggregation, retention, and release in quartz sand. <i>Science of the Total Environment</i> , 2019, 656, 70-79.	3.9	30
80	Experimental and numerical evaluation of a ring-shaped emitter for subsurface irrigation. <i>Agricultural Water Management</i> , 2019, 211, 111-122.	2.4	30
81	Co-transport of multi-walled carbon nanotubes and sodium dodecylbenzenesulfonate in chemically heterogeneous porous media. <i>Environmental Pollution</i> , 2019, 247, 907-916.	3.7	28
82	Transport of silver nanoparticles in intact columns of calcareous soils: The role of flow conditions and soil texture. <i>Geoderma</i> , 2018, 322, 89-100.	2.3	45
83	Coupling DSSAT and HYDRUS-1D for simulations of soil water dynamics in the soil-plant-atmosphere system. <i>Journal of Hydrology and Hydromechanics</i> , 2018, 66, 232-245.	0.7	59
84	On the use of global sensitivity analysis for the numerical analysis of permeable pavements. <i>Urban Water Journal</i> , 2018, 15, 269-275.	1.0	26
85	Evaluating drywells for stormwater management and enhanced aquifer recharge. <i>Advances in Water Resources</i> , 2018, 116, 167-177.	1.7	31
86	New features of version 3 of the HYDRUS (2D/3D) computer software package. <i>Journal of Hydrology and Hydromechanics</i> , 2018, 66, 133-142.	0.7	58
87	Simulations of freshwater lens recharge and salt/freshwater interfaces using the HYDRUS and SWI2 packages for MODFLOW. <i>Journal of Hydrology and Hydromechanics</i> , 2018, 66, 246-256.	0.7	23
88	Soil water and salinity dynamics under sprinkler irrigated almond exposed to a varied salinity stress at different growth stages. <i>Agricultural Water Management</i> , 2018, 201, 70-82.	2.4	36
89	Identifying the future water and salinity risks to irrigated viticulture in the Murray-Darling Basin, South Australia. <i>Agricultural Water Management</i> , 2018, 201, 107-117.	2.4	38
90	Dissolution and transport of insensitive munitions formulations IMX-101 and IMX-104 in saturated soil columns. <i>Science of the Total Environment</i> , 2018, 624, 758-768.	3.9	21

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91	Transport and retention of surfactant- and polymer-stabilized engineered silver nanoparticles in silicate-dominated aquifer material. <i>Environmental Pollution</i> , 2018, 236, 195-207.	3.7	23
92	Can a change in cropping patterns produce water savings and social gains: A case study from the Fergana Valley, Central Asia. <i>Journal of Hydrology and Hydromechanics</i> , 2018, 66, 189-201.	0.7	9
93	Numerical modeling of soil water dynamics in subsurface drained paddies with midseason drainage or alternate wetting and drying management. <i>Agricultural Water Management</i> , 2018, 197, 67-78.	2.4	17
94	Steady Flow from an Array of Subsurface Emitters: Kornevâ€™s Irrigation Technology and Kidderâ€™s Free Boundary Problems Revisited. <i>Transport in Porous Media</i> , 2018, 121, 643-664.	1.2	7
95	Implementation and Application of a Root Growth Module in HYDRUS. <i>Vadose Zone Journal</i> , 2018, 17, 1-16.	1.3	42
96	Minimizing Virus Transport in Porous Media by Optimizing Solid Phase Inactivation. <i>Journal of Environmental Quality</i> , 2018, 47, 1058-1067.	1.0	9
97	Updating the Coupling Algorithm between HYDRUS and MODFLOW in the HYDRUS Package for MODFLOW. <i>Vadose Zone Journal</i> , 2018, 17, 1-8.	1.3	25
98	A hybrid finite volume-finite element model for the numerical analysis of furrow irrigation and fertigation. <i>Computers and Electronics in Agriculture</i> , 2018, 150, 312-327.	3.7	23
99	Numerical analysis of soil water dynamics in a soil column with an artificial capillary barrier growing leaf vegetables. <i>Soil Use and Management</i> , 2018, 34, 206-215.	2.6	10
100	An application of the water footprint assessment to optimize production of crops irrigated with saline water: A scenario assessment with HYDRUS. <i>Agricultural Water Management</i> , 2018, 208, 67-82.	2.4	41
101	Application of HYDRUS (2D/3D) for Predicting the Influence of Subsurface Drainage on Soil Water Dynamics in a Rainfedâ€™Canola Cropping System. <i>Irrigation and Drainage</i> , 2018, 67, 29-39.	0.8	9
102	The HPx software for multicomponent reactive transport during variably-saturated flow: Recent developments and applications. <i>Journal of Hydrology and Hydromechanics</i> , 2018, 66, 211-226.	0.7	22
103	Thematic Issue on HYDRUS Software Applications to Subsurface Fluid Flow and Contaminant Transport. <i>Journal of Hydrology and Hydromechanics</i> , 2018, 66, 129-132.	0.7	5
104	On the use of surrogate-based modeling for the numerical analysis of Low Impact Development techniques. <i>Journal of Hydrology</i> , 2017, 548, 263-277.	2.3	55
105	Modelling soil water balance and root water uptake in cotton grown under different soil conservation practices in the Indo-Gangetic Plain. <i>Agriculture, Ecosystems and Environment</i> , 2017, 240, 287-299.	2.5	45
106	Batch soil adsorption and column transport studies of 2,4-dinitroanisole (DNAN) in soils. <i>Journal of Contaminant Hydrology</i> , 2017, 199, 14-23.	1.6	26
107	An estimation of the main wetting branch of the soil water retention curve based on its main drying branch using the machine learning method. <i>Water Resources Research</i> , 2017, 53, 1539-1552.	1.7	35
108	Spatial distribution of soil water, soil temperature, and plant roots in a drip-irrigated intercropping field with plastic mulch. <i>European Journal of Agronomy</i> , 2017, 83, 47-56.	1.9	76

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109	Determining water quality requirements of coal seam gas produced water for sustainable irrigation. <i>Agricultural Water Management</i> , 2017, 189, 52-69.	2.4	28
110	Roles of cation valance and exchange on the retention and colloid-facilitated transport of functionalized multi-walled carbon nanotubes in a natural soil. <i>Water Research</i> , 2017, 109, 358-366.	5.3	49
111	Column transport studies of 3-nitro-1,2,4-triazol-5-one (NTO) in soils. <i>Chemosphere</i> , 2017, 171, 427-434.	4.2	26
112	Co-transport of chlordecone and sulfadiazine in the presence of functionalized multi-walled carbon nanotubes in soils. <i>Environmental Pollution</i> , 2017, 221, 470-479.	3.7	31
113	Transport and fate of viruses in sediment and stormwater from a Managed Aquifer Recharge site. <i>Journal of Hydrology</i> , 2017, 555, 724-735.	2.3	21
114	Two-dimensional modeling of nitrogen and water dynamics for various N-managed water-saving irrigation strategies using HYDRUS. <i>Agricultural Water Management</i> , 2017, 193, 174-190.	2.4	66
115	A computationally efficient pseudo-3D model for the numerical analysis of borehole heat exchangers. <i>Applied Energy</i> , 2017, 208, 1113-1127.	5.1	32
116	The role of heterogeneous lithology in a glaciofluvial deposit on unsaturated preferential flow – a numerical study. <i>Journal of Hydrology and Hydromechanics</i> , 2017, 65, 209-221.	0.7	12
117	Long-Term Quantification of Stream-Aquifer Exchange in a Variably-Saturated Heterogeneous Environment. <i>Water Resources Management</i> , 2017, 31, 4353-4366.	1.9	7
118	Evaluation of crop coefficients, water productivity, and water balance components for wine grapes irrigated at different deficit levels by a sub-surface drip. <i>Agricultural Water Management</i> , 2017, 180, 22-34.	2.4	48
119	Adapting HYDRUS-1D to Simulate Overland Flow and Reactive Transport during Sheet Flow Deviations. <i>Vadose Zone Journal</i> , 2017, 16, 1-18.	1.3	3
120	Modeling of Soil Water Regime and Water Balance in a Transplanted Rice Field Experiment with Reduced Irrigation. <i>Water (Switzerland)</i> , 2017, 9, 248.	1.2	22
121	Simulating the Fate and Transport of Coal Seam Gas Chemicals in Variably-Saturated Soils Using HYDRUS. <i>Water (Switzerland)</i> , 2017, 9, 385.	1.2	14
122	Simulating the Effects of Lake Wind Waves on Water and Solute Exchange across the Lakeshore Using Hydrus-2D. <i>Water (Switzerland)</i> , 2017, 9, 566.	1.2	4
123	Recent Developments and Applications of the HYDRUS Computer Software Packages. <i>Vadose Zone Journal</i> , 2016, 15, 1-25.	1.3	629
124	A Comprehensive Analysis of the Variably Saturated Hydraulic Behavior of a Green Roof in a Mediterranean Climate. <i>Vadose Zone Journal</i> , 2016, 15, 1-17.	1.3	54
125	Improving the estimation of evaporation by the FAO-56 dual crop coefficient approach under subsurface drip irrigation. <i>Agricultural Water Management</i> , 2016, 178, 189-200.	2.4	29
126	The effects of rock fragment shapes and positions on modeled hydraulic conductivities of stony soils. <i>Geoderma</i> , 2016, 281, 39-48.	2.3	55

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127	Water flow and multicomponent solute transport in drip-irrigated lysimeters. <i>Water Resources Research</i> , 2016, 52, 6557-6574.	1.7	15
128	A comprehensive numerical analysis of the hydraulic behavior of a permeable pavement. <i>Journal of Hydrology</i> , 2016, 540, 1146-1161.	2.3	98
129	A comparison of numerical and machine-learning modeling of soil water content with limited input data. <i>Journal of Hydrology</i> , 2016, 543, 892-909.	2.3	109
130	A field-modeling study for assessing temporal variations of soil-water-crop interactions under water-saving irrigation strategies. <i>Agricultural Water Management</i> , 2016, 178, 291-303.	2.4	31
131	Do Goethite Surfaces Really Control the Transport and Retention of Multi-Walled Carbon Nanotubes in Chemically Heterogeneous Porous Media?. <i>Environmental Science & Technology</i> , 2016, 50, 12713-12721.	4.6	47
132	Infiltration in layered loessial deposits: Revised numerical simulations and recharge assessment. <i>Journal of Hydrology</i> , 2016, 538, 339-354.	2.3	29
133	The effect of different fertigation strategies and furrow surface treatments on plant water and nitrogen use. <i>Irrigation Science</i> , 2016, 34, 53-69.	1.3	21
134	Numerical Evaluation of Nitrate Distributions in the Onion Root Zone under Conventional Furrow Fertigation. <i>Journal of Hydrologic Engineering - ASCE</i> , 2016, 21, .	0.8	16
135	Modeling the release of <i>E. coli</i> D21g with transients in water content. <i>Water Resources Research</i> , 2015, 51, 3303-3316.	1.7	31
136	Leaching and reclamation of a biochar and compost amended saline-sodic soil with moderate SAR reclaimed water. <i>Agricultural Water Management</i> , 2015, 158, 255-265.	2.4	151
137	Evaluating the impact of groundwater on cotton growth and root zone water balance using Hydrus-1D coupled with a crop growth model. <i>Agricultural Water Management</i> , 2015, 160, 64-75.	2.4	77
138	Equilibrium and kinetic models for colloid release under transient solution chemistry conditions. <i>Journal of Contaminant Hydrology</i> , 2015, 181, 141-152.	1.6	53
139	Transport of <i>E. coli</i> D21g with runoff water under different solution chemistry conditions and surface slopes. <i>Journal of Hydrology</i> , 2015, 525, 760-768.	2.3	5
140	Modeling soil water dynamics in a drip-irrigated intercropping field under plastic mulch. <i>Irrigation Science</i> , 2015, 33, 289-302.	1.3	49
141	Implementation and evaluation of permeability-porosity and tortuosity-porosity relationships linked to mineral dissolution-precipitation. <i>Computational Geosciences</i> , 2015, 19, 655-671.	1.2	60
142	Water flow and nitrate transport through a lakeshore with different revetment materials. <i>Journal of Hydrology</i> , 2015, 520, 123-133.	2.3	9
143	Reactive transport codes for subsurface environmental simulation. <i>Computational Geosciences</i> , 2015, 19, 445-478.	1.2	566
144	Evaluation of nitrogen balance in a direct-seeded-rice field experiment using Hydrus-1D. <i>Agricultural Water Management</i> , 2015, 148, 213-222.	2.4	104

#	ARTICLE	IF	CITATIONS
145	New Analytical Model for Cumulative Infiltration into Dual-Permeability Soils. <i>Vadose Zone Journal</i> , 2014, 13, v2j2013.10.0181.	1.3	38
146	Parameter estimation of soil hydraulic and thermal property functions for unsaturated porous media using the HYDRUS-2D code. <i>Journal of Hydrology and Hydromechanics</i> , 2014, 62, 7-15.	0.7	39
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