Efstathios Diamantopoulos

List of Publications by Year
in descending order

39	774	567281 15	552781 26
papers	citations	h-index	g-index

44	44	44	764
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dynamic Nonequilibrium of Water Flow in Porous Media: A Review. Vadose Zone Journal, 2012, 11, vzj2011.0197.	2.2	76
2	Dynamic sorption of ammonium by sandy soil in fixed bed columns: Evaluation of equilibrium and non-equilibrium transport processes. Journal of Environmental Management, 2010, 91, 897-905.	7.8	72
3	Lead removal from aqueous solutions by raw sawdust and magnesium pretreated biochar: Experimental investigations and numerical modelling. Journal of Environmental Management, 2016, 180, 439-449.	7.8	65
4	Simulation of soil water dynamics under subsurface drip irrigation from line sources. Agricultural Water Management, 2009, 96, 1587-1595.	5.6	39
5	Inverse modeling of dynamic nonequilibrium in water flow with an effective approach. Water Resources Research, 2012, 48, .	4.2	39
6	Effect of soil water repellency on soil hydraulic properties estimated under dynamic conditions. Journal of Hydrology, 2013, 486, 175-186.	5.4	38
7	A Modular Framework for Modeling Unsaturated Soil Hydraulic Properties Over the Full Moisture Range. Water Resources Research, 2019, 55, 4994-5011.	4.2	32
8	Effects of hysteresis on redistribution of soil moisture and deep percolation at continuous and pulse drip irrigation. Agricultural Water Management, 2009, 96, 533-538.	5.6	28
9	Physically-based model of soil hydraulic properties accounting for variable contact angle and its effect on hysteresis. Advances in Water Resources, 2013, 59, 169-180.	3.8	27
10	Wetting front advance patterns and water losses by deep percolation under the root zone as influenced by pulsed drip irrigation. Agricultural Water Management, 2007, 90, 160-163.	5.6	23
11	Comparing the deep root growth and water uptake of intermediate wheatgrass (KernzaÂ®) to alfalfa. Plant and Soil, 2022, 472, 369-390.	3.7	22
12	Soil water dynamics under surface trickle irrigation as affected by soil hydraulic properties, discharge rate, dripper spacing and irrigation duration. Irrigation and Drainage, 2010, 59, 254-263.	1.7	21
13	Numerical test of the laboratory evaporation method using coupled water, vapor and heat flow modelling. Journal of Hydrology, 2019, 570, 574-583.	5.4	18
14	Pedotransfer Function for the Brunswick Soil Hydraulic Property Model and Comparison to the van Genuchtenâ€Mualem Model. Water Resources Research, 2020, 56, e2019WR026820.	4.2	18
15	Modeling dynamic non-equilibrium water flow observations under various boundary conditions. Journal of Hydrology, 2015, 529, 1851-1858.	5.4	17
16	Crop growth and soil water fluxes at erosionâ€affected arable sites: Using weighing lysimeter data for model intercomparison. Vadose Zone Journal, 2020, 19, e20058.	2.2	17
17	The effect of hysteresis on threeâ€dimensional transient water flow during surface trickle irrigation. Irrigation and Drainage, 2008, 57, 57-70.	1.7	16
18	Closedâ€Form Model for Hydraulic Properties Based on Angular Pores with Lognormal Size Distribution. Vadose Zone Journal, 2015, 14, 1-7.	2.2	15

#	Article	IF	Citations
19	The effect of intermittent water application by surface point sources on the soil moisture dynamics and on deep percolation under the root zone. Computers and Electronics in Agriculture, 2008, 62, 266-275.	7.7	14
20	Indole and quinolizidine alkaloids from blue lupin leach to agricultural drainage water. Science of the Total Environment, 2022, 834, 155283.	8.0	14
21	THE EFFECT OF DRIP LINE PLACEMENT ON SOIL WATER DYNAMICS IN THE CASE OF SURFACE AND SUBSURFACE DRIP IRRIGATION. Irrigation and Drainage, 2012, 61, 622-630.	1.7	13
22	A Physically Based Model for Preferential Water Flow and Solute Transport in Drained Agricultural Fields. Water Resources Research, 2021, 57, e2020WR027954.	4.2	13
23	Comparing soil moisture under trickle irrigation modeled as a point and line source. Agricultural Water Management, 2010, 97, 426-432.	5.6	11
24	On the conceptual complexity of non-point source management: impact of spatial variability. Hydrology and Earth System Sciences, 2020, 24, 1189-1209.	4.9	11
25	Capillary, Film, and Vapor Flow in Transient Bare Soil Evaporation (1): Identifiability Analysis of Hydraulic Conductivity in the Medium to Dry Moisture Range. Water Resources Research, 2021, 57, e2020WR028513.	4.2	11
26	Assessing the Potential Exposure of Groundwater to Pesticides: A Model Comparison. Vadose Zone Journal, 2017, 16, 1-13.	2.2	10
27	Bracken growth, toxin production and transfer from plant to soil: a 2-year monitoring study. Environmental Sciences Europe, 2021, 33, .	5.5	10
28	A simulation of variable rate nitrogen application in winter wheat with soil and sensor information - An economic feasibility study. Agricultural Systems, 2021, 192, 103147.	6.1	10
29	Relationships between soil hydraulic parameters and induced polarization spectra. Near Surface Geophysics, 2016, 14, 23-37.	1.2	9
30	Prediction of capillary air-liquid interfacial area vs. saturation function from relationship between capillary pressure and water saturation. Advances in Water Resources, 2016, 97, 219-223.	3.8	9
31	Modeling Solute Mass Exchange between Pore Regions in Slurry-Injected Soil Columns during Intermittent Irrigation. Vadose Zone Journal, 2018, 17, 180006.	2.2	8
32	Capillary, Film, and Vapor Flow in Transient Bare Soil Evaporation (2): Experimental Identification of Hydraulic Conductivity in the Medium to Dry Moisture Range. Water Resources Research, 2021, 57, e2020WR028514.	4.2	8
33	How will future climate depending agronomic management impact the yield risk of wheat cropping systems? A regional case study of Eastern Denmark. Journal of Agricultural Science, 2020, 158, 660-675.	1.3	8
34	A novel model concept for modelling the leaching of natural toxins: results for the case of ptaquiloside. Environmental Sciences: Processes and Impacts, 2020, 22, 1768-1779.	3.5	7
35	Stochastic assessment of the effect of land-use change on nonpoint source-driven groundwater quality using an efficient scaling approach. Stochastic Environmental Research and Risk Assessment, 2021, 35, 959-970.	4.0	7
36	The effect of temperatureâ€induced soil water repellency on transient capillary pressureâ€“water content relations during capillary rise. European Journal of Soil Science, 2014, 65, 369-376.	3.9	5

#	Article	IF	Citations
37	Modeling Preferential Water Flow and Pesticide Leaching to Drainpipes: The Effect of Drainâ€Connecting and Matrixâ€Terminating Biopores. Water Resources Research, 2022, 58, .	4.2	5
38	Does macropore flow in no-till systems bypass mobile soil nitrogen after harvest?. Soil and Tillage Research, 2022, 221, 105408.	5.6	4
39	Same soil, different climate: Crop model intercomparison on translocated lysimeters. Vadose Zone Journal, 2022, 21, .	2.2	4