

Adam Szymkiewicz

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

546
citations

623188

14
h-index

642321

23
g-index

38
all docs

38
docs citations

38
times ranked

456
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling of unsaturated water flow in double-porosity soils by the homogenization approach. <i>Advances in Water Resources</i> , 2004, 27, 283-296.	1.7	80
2	Modelling Water Flow in Unsaturated Porous Media. <i>GeoPlanet: Earth and Planetary Sciences</i> , 2013, , .	0.2	49
3	Infiltration in a double-porosity medium: Experiments and comparison with a theoretical model. <i>Water Resources Research</i> , 2005, 41, .	1.7	35
4	Comparison of conductivity averaging methods for one-dimensional unsaturated flow in layered soils. <i>Advances in Water Resources</i> , 2011, 34, 1012-1025.	1.7	30
5	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
6	Approximation of internodal conductivities in numerical simulation of one-dimensional infiltration, drainage, and capillary rise in unsaturated soils. <i>Water Resources Research</i> , 2009, 45, .	1.7	24
7	Estimation of groundwater recharge in a shallow sandy aquifer using unsaturated zone modeling and water table fluctuation method. <i>Journal of Hydrology</i> , 2022, 605, 127283.	2.3	24
8	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
9	Implementation of Solute Transport in the Vadose Zone into the "HYDRUS Package for MODFLOW". <i>Ground Water</i> , 2019, 57, 392-408.	0.7	21
10	Upscaling of Richards's equation for soils containing highly conductive inclusions. <i>Advances in Water Resources</i> , 2005, 28, 1159-1170.	1.7	20
11	Celebrating 50 years of SWIMs (Salt Water Intrusion Meetings). <i>Hydrogeology Journal</i> , 2018, 26, 1767-1770.	0.9	20
12	Two-scale modeling of unsaturated water flow in a double-porosity medium under axisymmetric conditions. <i>Canadian Geotechnical Journal</i> , 2008, 45, 238-251.	1.4	19
13	Two-Phase Flow in Heterogeneous Porous Media with Non-Wetting Phase Trapping. <i>Transport in Porous Media</i> , 2011, 86, 27-47.	1.2	19
14	Dynamics of algae growth and nutrients in experimental enclosures culturing bighead carp and common carp: Phosphorus dynamics. <i>International Journal of Sediment Research</i> , 2016, 31, 173-180.	1.8	17
15	Evaluation of the Influence of Farming Practices and Land Use on Groundwater Resources in a Coastal Multi-Aquifer System in Puck Region (Northern Poland). <i>Water (Switzerland)</i> , 2020, 12, 1042.	1.2	15
16	Unified macroscopic model for unsaturated water flow in soils of bimodal porosity. <i>Hydrological Sciences Journal</i> , 2006, 51, 1106-1124.	1.2	14
17	Estimation of Conservative Contaminant Travel Time through Vadose Zone Based on Transient and Steady Flow Approaches. <i>Water (Switzerland)</i> , 2018, 10, 1417.	1.2	14
18	A New Approach for Investigating the Impact of Pesticides and Nutrient Flux from Agricultural Holdings and Land-Use Structures on Baltic Sea Coastal Waters. <i>Polish Journal of Environmental Studies</i> , 2019, 28, 2531-2539.	0.6	14

#	ARTICLE	IF	CITATIONS
19	Upscaling unsaturated flow in binary porous media with air entry pressure effects. <i>Water Resources Research</i> , 2012, 48, .	1.7	13
20	Numerical Analysis of Recharge Rates and Contaminant Travel Time in Layered Unsaturated Soils. <i>Water (Switzerland)</i> , 2019, 11, 545.	1.2	12
21	Assessing groundwater vulnerability to pollution in the Puck region (denudation moraine upland) using vertical seepage method. <i>E3S Web of Conferences</i> , 2018, 44, 00147.	0.2	11
22	Micromechanical approach to unsaturated water flow in structured geomaterials by two-scale computations. <i>Acta Geotechnica</i> , 2008, 3, 37-47.	2.9	9
23	Examples of numerical simulations of two-dimensional unsaturated flow with VS2DI code using different interblock conductivity averaging schemes. <i>Geologos</i> , 2015, 21, 161-167.	0.2	9
24	Towards a multi-basin SWAT model for the migration of nutrients and pesticides to Puck Bay (Southern Baltic Sea). <i>PeerJ</i> , 2021, 9, e10938.	0.9	7
25	Influence of heterogeneous air entry pressure on large scale unsaturated flow in porous media. <i>Acta Geophysica</i> , 2014, 62, 1179-1191.	1.0	5
26	Experimental and Numerical Analysis of Air Trapping in a Porous Medium with Coarse Textured Inclusions. <i>Acta Geophysica</i> , 2016, 64, 2487-2509.	1.0	5
27	Computing Internodal Conductivities in Numerical Modeling of two Dimensional Unsaturated Flow on Rectangular Grid. <i>Archives of Civil Engineering</i> , 2011, 57, 215-225.	0.7	4
28	Upscaling from Darcy Scale to Field Scale. <i>GeoPlanet: Earth and Planetary Sciences</i> , 2013, , 139-175.	0.2	3
29	Influence of the air phase on water flow in dikes. <i>E3S Web of Conferences</i> , 2017, 17, 00094.	0.2	2
30	Preliminary estimation of groundwater recharge on Brda river outwash plain. <i>E3S Web of Conferences</i> , 2018, 44, 00050.	0.2	2
31	Simulations of air and water flow in a model dike during overflow experiments. <i>Computational Geosciences</i> , 2019, 23, 325-337.	1.2	1
32	Flow in Binary Media with Heterogeneous Hydraulic Diffusivity. <i>GeoPlanet: Earth and Planetary Sciences</i> , 2013, , 177-214.	0.2	0
33	Computation of Inter-Nodal Permeabilities for Richards Equation. <i>GeoPlanet: Earth and Planetary Sciences</i> , 2013, , 91-138.	0.2	0
34	Air trapping problem during infiltration on the large areas. <i>E3S Web of Conferences</i> , 2018, 44, 00178.	0.2	0
35	Numerical simulations of overflow experiments on a model dike. <i>MATEC Web of Conferences</i> , 2019, 262, 01003.	0.1	0
36	Numerical Modeling of Water Flow in Expansive Soils with Simplified Description of Soil Deformation. <i>Archives of Hydroengineering and Environmental Mechanics</i> , 2018, 65, 301-313.	0.5	0