Valentina Ciriello

List of Publications by Year
in descending order

36	609	567281	610901
papers	citations	15 h-index	24 g-index

39	39	39	543
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Polynomial chaos expansion for global sensitivity analysis applied to a model of radionuclide migration in a randomly heterogeneous aquifer. Stochastic Environmental Research and Risk Assessment, 2013, 27, 945-954.	4.0	74
2	Radial gravity currents in vertically graded porous media: Theory and experiments for Newtonian and power-law fluids. Advances in Water Resources, 2014, 70, 65-76.	3.8	43
3	Gravity-driven flow of Herschelâ€“Bulkley fluid in a fracture and in a 2D porous medium. Journal of Fluid Mechanics, 2017, 821, 59-84.	3.4	43
4	On the axisymmetric spreading of non-Newtonian power-law gravity currents of time-dependent volume: An experimental and theoretical investigation focused on the inference of rheological parameters. Journal of Non-Newtonian Fluid Mechanics, 2013, 201, 69-79.	2.4	37
5	Saltwater Intrusion in Coastal Aquifers: A Primary Case Study along the Adriatic Coast Investigated within a Probabilistic Framework. Water (Switzerland), 2013, 5, 1830-1847.	2.7	34
6	Porous gravity currents: A survey to determine the joint influence of fluid rheology and variations of medium properties. Advances in Water Resources, 2016, 92, 105-115.	3.8	34
7	Comparative analysis of formulations for conservative transport in porous media through sensitivity-based parameter calibration. Water Resources Research, 2013, 49, 5206-5220.	4.2	29
8	Similarity solutions for flow of non-Newtonian fluids in porous media revisited under parameter uncertainty. Advances in Water Resources, 2012, 43, 38-51.	3.8	28
9	Combined effect of rheology and confining boundaries on spreading of gravity currents in porous media. Advances in Water Resources, 2015, 79, 140-152.	3.8	26
10	Distributionâ€Based Global Sensitivity Analysis in Hydrology. Water Resources Research, 2019, 55, 8708-8720.	4.2	24
11	Evaluation of Reliability Indicators for WDNs with Demand-Driven and Pressure-Driven Models. Water Resources Management, 2014, 28, 1201-1217.	3.9	22
12	Multimodel framework for characterization of transport in porous media. Water Resources Research, 2015, 51, 3384-3402.	4.2	22
13	Impact of Hydrogeological Uncertainty on Estimation of Environmental Risks Posed by Hydrocarbon Transportation Networks. Water Resources Research, 2017, 53, 8686-8697.	4.2	21
14	On shear thinning fluid flow induced by continuous mass injection in porous media with variable conductivity. Mechanics Research Communications, 2013, 52, 101-107.	1.8	17
15	Temperature fields induced by geothermal devices. Energy, 2015, 93, 1896-1903.	8.8	16
16	Green Smart Technology for Water (GST4Water): Life Cycle Analysis of Urban Water Consumption. Water (Switzerland), 2019, 11, 389.	2.7	16
17	Effect of variable permeability on the propagation of thin gravity currents in porous media. International Journal of Non-Linear Mechanics, 2013, 57, 168-175.	2.6	15
18	Nonâ€Newtonian Backflow in an Elastic Fracture. Water Resources Research, 2019, 55, 10144-10158.	4.2	15

#	ARTICLE	IF	CITATIONS
19	Thermal Instability of a Power-Law Fluid Flowing in a Horizontal Porous Layer with an Open Boundary: A Two-Dimensional Analysis. Transport in Porous Media, 2017, 118, 449-471.	2.6	12
20	Generalized Solution for 1-D Non-Newtonian Flow in a Porous Domain due to an Instantaneous Mass Injection. Transport in Porous Media, 2012, 93, 63-77.	2.6	10
21	Relaxation-induced flow in a smooth fracture for Ellis rheology. Advances in Water Resources, 2021, 152, 103914.	3.8	10
22	Characterizing the Influence of Multiple Uncertainties on Predictions of Contaminant Discharge in Groundwater Within a Lagrangian Stochastic Formulation. Water Resources Research, 2020, 56, e2020WR027867.	4.2	9
23	Estimation of Intrinsic Length Scales of Flow in Unsaturated Porous Media. Water Resources Research, 2017, 53, 9980-9987.	4.2	8
24	Data-driven models of groundwater salinization in coastal plains. Journal of Hydrology, 2015, 531, 187-197.	5.4	7
25	A meta-modeling approach for hydrological forecasting under uncertainty: Application to groundwater nitrate response to climate change. Journal of Hydrology, 2021, 603, 127173.	5.4	7
26	Analysis of a benchmark solution for non-Newtonian radial displacement in porous media. International Journal of Non-Linear Mechanics, 2013, 52, 46-57.	2.6	5
27	Impact of uncertainty in soil texture parameters on estimation of soil moisture through radio waves transmission. Advances in Water Resources, 2018, 122, 131-138.	3.8	5
28	Advances in uncertainty quantification for water resources applications. Stochastic Environmental Research and Risk Assessment, 2021, 35, 955-957.	4.0	5
29	Uncertainty-based Analysis of Variations in Subsurface Thermal Field Due to Horizontal Flat-panel Heat Exchangers. Procedia Environmental Sciences, 2015, 25, 50-57.	1.4	4
30	Porous Gravity Currents of Non-Newtonian Fluids within Confining Boundaries. Procedia Environmental Sciences, 2015, 25, 58-65.	1.4	2
31	Metabolic Modelling: A Strategic Planning Tool for Water Supply Systems Management. Proceedings (mdpi), 2018, 2, .	0.2	2
32	Sustainability Analysis of Alternative Long-Term Management Strategies for Water Supply Systems: A Case Study in Reggio Emilia (Italy). Water (Switzerland), 2019, 11, 450.	2.7	2
33	Surrogate models provide new insights on metrics based on blood flow for the assessment of left ventricular function. Scientific Reports, 2022, 12, .	3.3	2
34	Sustainability Assessment of Urban Water Use from Building to Urban Scale in the GST4Water Project. Proceedings (mdpi), 2018, 2, .	0.2	1
35	Experimental verification of theoretical approaches for radial gravity currents draining from an edge. Acta Mechanica, 2021, 232, 4461-4483.	2.1	1
36	Analytical modeling of spherical displacement for power-law fluids in porous media. Applied Mathematical Sciences, 0, 7, 2993-3005.	0.1	0