

# Valentina Ciriello

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

609  
citations

567281

15  
h-index

610901

24  
g-index

39  
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39  
docs citations

39  
times ranked

543  
citing authors

#	ARTICLE	IF	CITATIONS
1	Surrogate models provide new insights on metrics based on blood flow for the assessment of left ventricular function. <i>Scientific Reports</i> , 2022, 12, .	3.3	2
2	Advances in uncertainty quantification for water resources applications. <i>Stochastic Environmental Research and Risk Assessment</i> , 2021, 35, 955-957.	4.0	5
3	Relaxation-induced flow in a smooth fracture for Ellis rheology. <i>Advances in Water Resources</i> , 2021, 152, 103914.	3.8	10
4	Experimental verification of theoretical approaches for radial gravity currents draining from an edge. <i>Acta Mechanica</i> , 2021, 232, 4461-4483.	2.1	1
5	A meta-modeling approach for hydrological forecasting under uncertainty: Application to groundwater nitrate response to climate change. <i>Journal of Hydrology</i> , 2021, 603, 127173.	5.4	7
6	Characterizing the Influence of Multiple Uncertainties on Predictions of Contaminant Discharge in Groundwater Within a Lagrangian Stochastic Formulation. <i>Water Resources Research</i> , 2020, 56, e2020WR027867.	4.2	9
7	Distribution-Based Global Sensitivity Analysis in Hydrology. <i>Water Resources Research</i> , 2019, 55, 8708-8720.	4.2	24
8	Sustainability Analysis of Alternative Long-Term Management Strategies for Water Supply Systems: A Case Study in Reggio Emilia (Italy). <i>Water (Switzerland)</i> , 2019, 11, 450.	2.7	2
9	Green Smart Technology for Water (GST4Water): Life Cycle Analysis of Urban Water Consumption. <i>Water (Switzerland)</i> , 2019, 11, 389.	2.7	16
10	Non-Newtonian Backflow in an Elastic Fracture. <i>Water Resources Research</i> , 2019, 55, 10144-10158.	4.2	15
11	Metabolic Modelling: A Strategic Planning Tool for Water Supply Systems Management. <i>Proceedings (mdpi)</i> , 2018, 2, .	0.2	2
12	Sustainability Assessment of Urban Water Use from Building to Urban Scale in the GST4Water Project. <i>Proceedings (mdpi)</i> , 2018, 2, .	0.2	1
13	Impact of uncertainty in soil texture parameters on estimation of soil moisture through radio waves transmission. <i>Advances in Water Resources</i> , 2018, 122, 131-138.	3.8	5
14	Thermal Instability of a Power-Law Fluid Flowing in a Horizontal Porous Layer with an Open Boundary: A Two-Dimensional Analysis. <i>Transport in Porous Media</i> , 2017, 118, 449-471.	2.6	12
15	Gravity-driven flow of Herschel-Bulkley fluid in a fracture and in a 2D porous medium. <i>Journal of Fluid Mechanics</i> , 2017, 821, 59-84.	3.4	43
16	Estimation of Intrinsic Length Scales of Flow in Unsaturated Porous Media. <i>Water Resources Research</i> , 2017, 53, 9980-9987.	4.2	8
17	Impact of Hydrogeological Uncertainty on Estimation of Environmental Risks Posed by Hydrocarbon Transportation Networks. <i>Water Resources Research</i> , 2017, 53, 8686-8697.	4.2	21
18	Porous gravity currents: A survey to determine the joint influence of fluid rheology and variations of medium properties. <i>Advances in Water Resources</i> , 2016, 92, 105-115.	3.8	34

#	ARTICLE	IF	CITATIONS
19	Data-driven models of groundwater salinization in coastal plains. <i>Journal of Hydrology</i> , 2015, 531, 187-197.	5.4	7
20	Multimodel framework for characterization of transport in porous media. <i>Water Resources Research</i> , 2015, 51, 3384-3402.	4.2	22
21	Porous Gravity Currents of Non-Newtonian Fluids within Confining Boundaries. <i>Procedia Environmental Sciences</i> , 2015, 25, 58-65.	1.4	2
22	Temperature fields induced by geothermal devices. <i>Energy</i> , 2015, 93, 1896-1903.	8.8	16
23	Combined effect of rheology and confining boundaries on spreading of gravity currents in porous media. <i>Advances in Water Resources</i> , 2015, 79, 140-152.	3.8	26
24	Uncertainty-based Analysis of Variations in Subsurface Thermal Field Due to Horizontal Flat-panel Heat Exchangers. <i>Procedia Environmental Sciences</i> , 2015, 25, 50-57.	1.4	4
25	Evaluation of Reliability Indicators for WDNs with Demand-Driven and Pressure-Driven Models. <i>Water Resources Management</i> , 2014, 28, 1201-1217.	3.9	22
26	Radial gravity currents in vertically graded porous media: Theory and experiments for Newtonian and power-law fluids. <i>Advances in Water Resources</i> , 2014, 70, 65-76.	3.8	43
27	On shear thinning fluid flow induced by continuous mass injection in porous media with variable conductivity. <i>Mechanics Research Communications</i> , 2013, 52, 101-107.	1.8	17
28	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. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2013, 201, 69-79.	2.4	37
29	Polynomial chaos expansion for global sensitivity analysis applied to a model of radionuclide migration in a randomly heterogeneous aquifer. <i>Stochastic Environmental Research and Risk Assessment</i> , 2013, 27, 945-954.	4.0	74
30	Effect of variable permeability on the propagation of thin gravity currents in porous media. <i>International Journal of Non-Linear Mechanics</i> , 2013, 57, 168-175.	2.6	15
31	Analysis of a benchmark solution for non-Newtonian radial displacement in porous media. <i>International Journal of Non-Linear Mechanics</i> , 2013, 52, 46-57.	2.6	5
32	Comparative analysis of formulations for conservative transport in porous media through sensitivity-based parameter calibration. <i>Water Resources Research</i> , 2013, 49, 5206-5220.	4.2	29
33	Saltwater Intrusion in Coastal Aquifers: A Primary Case Study along the Adriatic Coast Investigated within a Probabilistic Framework. <i>Water (Switzerland)</i> , 2013, 5, 1830-1847.	2.7	34
34	Similarity solutions for flow of non-Newtonian fluids in porous media revisited under parameter uncertainty. <i>Advances in Water Resources</i> , 2012, 43, 38-51.	3.8	28
35	Generalized Solution for 1-D Non-Newtonian Flow in a Porous Domain due to an Instantaneous Mass Injection. <i>Transport in Porous Media</i> , 2012, 93, 63-77.	2.6	10
36	Analytical modeling of spherical displacement for power-law fluids in porous media. <i>Applied Mathematical Sciences</i> , 0, 7, 2993-3005.	0.1	0