

Marco Bianchi

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

28

papers

698

citations

11

h-index

26

g-index

34

ext. papers

786

ext. citations

4

avg, IF

4.33

L-index

#	Paper	IF	Citations
28	Effect of dissolved CO ₂ on a shallow groundwater system: a controlled release field experiment. <i>Environmental Science & Technology</i> , 2013 , 47, 298-305	10.3	146
27	Lessons learned from 25 years of research at the MADE site. <i>Ground Water</i> , 2011 , 49, 649-62	2.4	103
26	Spatial connectivity in a highly heterogeneous aquifer: From cores to preferential flow paths. <i>Water Resources Research</i> , 2011 , 47,	5.4	98
25	Optimal well placement and brine extraction for pressure management during CO ₂ sequestration. <i>International Journal of Greenhouse Gas Control</i> , 2015 , 42, 175-187	4.2	46
24	Geological entropy and solute transport in heterogeneous porous media. <i>Water Resources Research</i> , 2017 , 53, 4691-4708	5.4	37
23	A lithofacies approach for modeling non-Fickian solute transport in a heterogeneous alluvial aquifer. <i>Water Resources Research</i> , 2016 , 52, 552-565	5.4	35
22	Investigation of small-scale preferential flow with a forced-gradient tracer test. <i>Ground Water</i> , 2011 , 49, 503-14	2.4	33
21	On the mobilization of metals by CO ₂ leakage into shallow aquifers: exploring release mechanisms by modeling field and laboratory experiments 2015 , 5, 403-418		30
20	Integrating deterministic lithostratigraphic models in stochastic realizations of subsurface heterogeneity. Impact on predictions of lithology, hydraulic heads and groundwater fluxes. <i>Journal of Hydrology</i> , 2015 , 531, 557-573	6	29
19	An Entrogram-Based Approach to Describe Spatial Heterogeneity With Applications to Solute Transport in Porous Media. <i>Water Resources Research</i> , 2018 , 54, 4432-4448	5.4	24
18	Reproducing tailing in breakthrough curves: Are statistical models equally representative and predictive?. <i>Advances in Water Resources</i> , 2018 , 113, 236-248	4.7	14
17	Combining multiple lower-fidelity models for emulating complex model responses for CCS environmental risk assessment. <i>International Journal of Greenhouse Gas Control</i> , 2016 , 46, 248-258	4.2	10
16	SGeMS: A Free and Versatile Tool for Three-Dimensional Geostatistical Applications. <i>Ground Water</i> , 2009 , 47, 8-12	2.4	10
15	Super-diffusion affected by hydrofacies mean length and source geometry in alluvial settings. <i>Journal of Hydrology</i> , 2020 , 582, 124515	6	10
14	Radionuclide transport behavior in a generic geological radioactive waste repository. <i>Ground Water</i> , 2015 , 53, 440-51	2.4	9
13	Impact of model complexity and multi-scale data integration on the estimation of hydrogeological parameters in a dual-porosity aquifer. <i>Hydrogeology Journal</i> , 2018 , 26, 1917-1933	3.1	9
12	Impacts of elevated dissolved CO ₂ on a shallow groundwater system: Reactive transport modeling of a controlled-release field test. <i>Chemical Geology</i> , 2016 , 447, 117-132	4.2	9

11	Investigating the Productivity and Sustainability of Weathered Basement Aquifers in Tropical Africa Using Numerical Simulation and Global Sensitivity Analysis. <i>Water Resources Research</i> , 2020 , 56, e2020WR027746	5.4	8
10	Hydrogeological Model Selection Among Complex Spatial Priors. <i>Water Resources Research</i> , 2019 , 55, 6729-6753	5.4	7
9	Reduced Order Models for Prediction of Groundwater Quality Impacts from CO2 and Brine Leakage. <i>Energy Procedia</i> , 2014 , 63, 4875-4883	2.3	7
8	Targeted Pressure Management During CO2 Sequestration: Optimization of Well Placement and Brine Extraction. <i>Energy Procedia</i> , 2014 , 63, 5325-5332	2.3	7
7	Equivalent diffusion coefficient of clay-rich geological formations: comparison between numerical and analytical estimates. <i>Stochastic Environmental Research and Risk Assessment</i> , 2013 , 27, 1081-1091	3.5	6
6	Preliminary results from the use of entrograms to describe transport in fractured media. <i>Acque Sotterranee - Italian Journal of Groundwater</i> , 2019 ,	0.8	4
5	A Connectivity-Based Modeling Approach for Representing Hysteresis in Macroscopic Two-Phase Flow Properties. <i>Energy Procedia</i> , 2014 , 63, 3456-3463	2.3	3
4	Validity of flowmeter data in heterogeneous alluvial aquifers. <i>Advances in Water Resources</i> , 2017 , 102, 29-44	4.7	2
3	DISOLV: A Python Package for the Interpretation of Borehole Dilution Tests. <i>Ground Water</i> , 2020 , 58, 805-812	2.4	2
2	Uncertainty in 3-D Geological Models 2021 , 357-382		
1	GEOENT: A Toolbox for Calculating Directional Geological Entropy. <i>Geosciences (Switzerland)</i> , 2022 , 12, 206	2.7	