Marco Bianchi

List of Publications by Year
in descending order

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27 papers	893 citations	687335 13 h-index	580810 25 g-index
34 all docs	34 docs citations	34 times ranked	942 citing authors

#	Article	IF	Citations
1	Effect of Dissolved CO₂ on a Shallow Groundwater System: A Controlled Release Field Experiment. Environmental Science & Technology, 2013, 47, 298-305.	10.0	168
2	Lessons Learned from 25 Years of Research at the MADE Site. Ground Water, 2011, 49, 649-662.	1.3	128
3	Spatial connectivity in a highly heterogeneous aquifer: From cores to preferential flow paths. Water Resources Research, 2011, 47, .	4.2	111
4	Optimal well placement and brine extraction for pressure management during CO2 sequestration. International Journal of Greenhouse Gas Control, 2015, 42, 175-187.	4.6	62
5	A lithofacies approach for modeling nonâ€<scp>F</scp>ickian solute transport in a heterogeneous alluvial aquifer. Water Resources Research, 2016, 52, 552-565.	4.2	50
6	Geological entropy and solute transport in heterogeneous porous media. Water Resources Research, 2017, 53, 4691-4708.	4.2	48
7	Investigation of Small-Scale Preferential Flow with a Forced-Gradient Tracer Test. Ground Water, 2011, 49, 503-514.	1.3	40
8	Integrating deterministic lithostratigraphic models in stochastic realizations of subsurface heterogeneity. Impact on predictions of lithology, hydraulic heads and groundwater fluxes. Journal of Hydrology, 2015, 531, 557-573.	5.4	39
9	On the mobilization of metals by CO₂ leakage into shallow aquifers: exploring release mechanisms by modeling field and laboratory experiments. , 2015, 5, 403-418.		34
10	An Entramâ€Based Approach to Describe Spatial Heterogeneity With Applications to Solute Transport in Porous Media. Water Resources Research, 2018, 54, 4432-4448.	4.2	33
11	Super-diffusion affected by hydrofacies mean length and source geometry in alluvial settings. Journal of Hydrology, 2020, 582, 124515.	5.4	21
12	Investigating the Productivity and Sustainability of Weathered Basement Aquifers in Tropical Africa Using Numerical Simulation and Global Sensitivity Analysis. Water Resources Research, 2020, 56, e2020WR027746.	4.2	20
13	Reproducing tailing in breakthrough curves: Are statistical models equally representative and predictive?. Advances in Water Resources, 2018, 113, 236-248.	3.8	17
14	Radionuclide Transport Behavior in a Generic Geological Radioactive Waste Repository. Ground Water, 2015, 53, 440-451.	1.3	14
15	Hydrogeological Model Selection Among Complex Spatial Priors. Water Resources Research, 2019, 55, 6729-6753.	4.2	14
16	Targeted Pressure Management During CO2 Sequestration: Optimization of Well Placement and Brine Extraction. Energy Procedia, 2014, 63, 5325-5332.	1.8	13
17	Combining multiple lower-fidelity models for emulating complex model responses for CCS environmental risk assessment. International Journal of Greenhouse Gas Control, 2016, 46, 248-258.	4.6	13
18	Impact of model complexity and multi-scale data integration on the estimation of hydrogeological parameters in a dual-porosity aquifer. Hydrogeology Journal, 2018, 26, 1917-1933.	2.1	13

#	Article	IF	Citations
19	Impacts of elevated dissolved CO2 on a shallow groundwater system: Reactive transport modeling of a controlled-release field test. Chemical Geology, 2016, 447, 117-132.	3.3	12
20	SGeMS: A Free and Versatile Tool for Threeâ€Dimensional Geostatistical Applications. Ground Water, 2009, 47, 8-12.	1.3	11
21	Reduced Order Models for Prediction of Groundwater Quality Impacts from CO2 and Brine Leakage. Energy Procedia, 2014, 63, 4875-4883.	1.8	8
22	Equivalent diffusion coefficient of clay-rich geological formations: comparison between numerical and analytical estimates. Stochastic Environmental Research and Risk Assessment, 2013, 27, 1081-1091.	4.0	7
23	Preliminary results from the use of entrograms to describe transport in fractured media. Acque Sotterranee - Italian Journal of Groundwater, 0, , .	0.3	4
24	A Connectivity-Based Modeling Approach for Representing Hysteresis in Macroscopic Two-Phase Flow Properties. Energy Procedia, 2014, 63, 3456-3463.	1.8	3
25	Validity of flowmeter data in heterogeneous alluvial aquifers. Advances in Water Resources, 2017, 102, 29-44.	3.8	3
26	DISOLV: A Python Package for the Interpretation of Borehole Dilution Tests. Ground Water, 2020, 58, 805-812.	1.3	3
27	GEOENT: A Toolbox for Calculating Directional Geological Entropy. Geosciences (Switzerland), 2022, 12, 206.	2.2	2