

Paolo Trincherro

List of Publications by Year in descending order

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papers

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759233

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515
citing authors

#	ARTICLE	IF	CITATIONS
1	Predictive Modeling of a Simple Field Matrix Diffusion Experiment Addressing Radionuclide Transport in Fractured Rock. Is It So Straightforward?. Nuclear Technology, 2022, 208, 1059-1073.	1.2	4
2	Simulating electrochemical migration and anion exclusion in porous and fractured media using PFLOTRAN $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e2076" altimg="si141.svg"} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} / \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi mathvariant="normal"} \rangle \text{NP} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:math} \rangle$. Computers and Geosciences, 2022, 166, 105166.	4.2	1
3	Waterâ€Mineral Reactions in a Translated Single Realistic Fracture: Consequences for Contaminant Uptake by Matrix Diffusion. Water Resources Research, 2021, 57, e2021WR030442.	4.2	5
4	Models for the assessment of transport of naturally-occurring nuclides in fractured media. Journal of Hydrology, 2020, 580, 124322.	5.4	15
5	Modelling the water phase diffusion experiment at Onkalo (Finland): Insights into the effect of channeling on radionuclide transport and retention. Journal of Hydrology, 2020, 590, 125399.	5.4	6
6	Upscaling of radionuclide transport and retention in crystalline rocks exhibiting micro-scale heterogeneity of the rock matrix. Advances in Water Resources, 2020, 142, 103644.	3.8	8
7	A Particleâ€Based Conditional Sampling Scheme for the Simulation of Transport in Fractured Rock With Diffusion Into Stagnant Water and Rock Matrix. Water Resources Research, 2020, 56, e2019WR026958.	4.2	12
8	Groundwater age dating in fractured rock using $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si44.svg"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} / \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 4 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ He data. Journal of Hydrology X, 2019, 4, 100036.	1.6	8
9	Grains, grids and mineral surfaces: approaches to grain-scale matrix modeling based on X-ray micro-computed tomography data. SN Applied Sciences, 2019, 1, 1.	2.9	3
10	Assessing dual continuum method for multicomponent reactive transport. Computers and Geosciences, 2019, 130, 11-19.	4.2	12
11	Transport of oxygen into granitic rocks: Role of physical and mineralogical heterogeneity. Journal of Contaminant Hydrology, 2019, 220, 108-118.	3.3	7
12	Modelling the diffusion-available pore space of an unaltered granitic rock matrix using a micro-DFN approach. Journal of Hydrology, 2018, 559, 182-191.	5.4	8
13	Comment on "Application of Analytical Diffusion Models to Outcrop Observations: Implications for Mass Transport by Fluid Flow Through Fractures" by Antonellini et al. (2017). Water Resources Research, 2018, 54, 9702-9705.	4.2	1
14	Simulating Oxygen Intrusion into Highly Heterogeneous Fractured Media Using High Performance Computing. Mathematical Geosciences, 2018, 50, 549-567.	2.4	3
15	Continuum-based DFN-consistent numerical framework for the simulation of oxygen infiltration into fractured crystalline rocks. Journal of Contaminant Hydrology, 2017, 200, 60-69.	3.3	15
16	Bayesian estimation of the transmissivity spatial structure from pumping test data. Advances in Water Resources, 2017, 104, 174-182.	3.8	14
17	Microtomography-based Inter-Granular Network for the simulation of radionuclide diffusion and sorption in a granitic rock. Journal of Contaminant Hydrology, 2017, 207, 8-16.	3.3	13
18	Implications of Grain-Scale Mineralogical Heterogeneity for Radionuclide Transport in Fractured Media. Transport in Porous Media, 2017, 116, 73-90.	2.6	14

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19	Modelling radionuclide transport in fractured media with a dynamic update of Kd values. <i>Computers and Geosciences</i> , 2016, 86, 55-63.	4.2	21
20	FASTREACT – An efficient numerical framework for the solution of reactive transport problems. <i>Applied Geochemistry</i> , 2014, 49, 159-167.	3.0	3
21	Understanding and modelling dissolved gas transport in the bedrock of three Fennoscandian sites. <i>Journal of Hydrology</i> , 2014, 512, 506-517.	5.4	10
22	Interface COMSOL-PHREEQC (iCP), an efficient numerical framework for the solution of coupled multiphysics and geochemistry. <i>Computers and Geosciences</i> , 2014, 69, 10-21.	4.2	93
23	Inferring spatial distribution of the radially integrated transmissivity from pumping tests in heterogeneous confined aquifers. <i>Water Resources Research</i> , 2011, 47, .	4.2	26
24	Assessing preferential flow through an unsaturated waste rock pile using spectral analysis. <i>Water Resources Research</i> , 2011, 47, .	4.2	19
25	Conditional stochastic mapping of transport connectivity. <i>Water Resources Research</i> , 2010, 46, .	4.2	20
26	Probabilistic risk analysis of groundwater remediation strategies. <i>Water Resources Research</i> , 2009, 45, .	4.2	72
27	Point-to-point connectivity, an abstract concept or a key issue for risk assessment studies?. <i>Advances in Water Resources</i> , 2008, 31, 1742-1753.	3.8	50
28	A New Method for the Interpretation of Pumping Tests in Leaky Aquifers. <i>Ground Water</i> , 2008, 46, 133-143.	1.3	27
29	Influence of heterogeneity on the interpretation of pumping test data in leaky aquifers. <i>Water Resources Research</i> , 2008, 44, .	4.2	11