

Paulo A Herrera

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

382
citations

840776

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1125743

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g-index

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all docs

13
docs citations

13
times ranked

377
citing authors

#	ARTICLE	IF	CITATIONS
1	A meshless method to simulate solute transport in heterogeneous porous media. <i>Advances in Water Resources</i> , 2009, 32, 413-429.	3.8	75
2	Field-case simulation of CO ₂ -plume migration using vertical-equilibrium models. <i>Energy Procedia</i> , 2011, 4, 3801-3808.	1.8	68
3	A multidimensional streamline-based method to simulate reactive solute transport in heterogeneous porous media. <i>Advances in Water Resources</i> , 2010, 33, 711-727.	3.8	40
4	Parameter estimation and uncertainty analysis in hydrological modeling. <i>Wiley Interdisciplinary Reviews: Water</i> , 2022, 9, .	6.5	38
5	Numerical sensitivity analysis of thermal response tests (TRT) in energy piles. <i>Renewable Energy</i> , 2016, 86, 985-992.	8.9	34
6	Hydromechanical model for internal erosion and its relationship with the stress transmitted by the finer soil fraction. <i>Acta Geotechnica</i> , 2015, 10, 643-650.	5.7	29
7	Lagrangian scheme to model subgrid-scale mixing and spreading in heterogeneous porous media. <i>Water Resources Research</i> , 2017, 53, 3302-3318.	4.2	21
8	Smooth Particle Hydrodynamics with nonlinear Moving-Least-Squares WENO reconstruction to model anisotropic dispersion in porous media. <i>Advances in Water Resources</i> , 2015, 80, 43-59.	3.8	19
9	Positive Solution of Two-Dimensional Solute Transport in Heterogeneous Aquifers. <i>Ground Water</i> , 2006, 44, 803-813.	1.3	17
10	An assessment of particle methods for approximating anisotropic dispersion. <i>International Journal for Numerical Methods in Fluids</i> , 2013, 71, 634-651.	1.6	16
11	Enhancement of synthetic schlieren image resolution using total variation optical flow: application to thermal experiments in a Hele-Shaw cell. <i>Experiments in Fluids</i> , 2016, 57, 1.	2.4	13
12	Helical Flow and Transient Solute Dilution in Porous Media. <i>Transport in Porous Media</i> , 2016, 111, 591-603.	2.6	9
13	Towards an effective application of parameter estimation and uncertainty analysis to mathematical groundwater models. <i>SN Applied Sciences</i> , 2022, 4, .	2.9	3