

Maria Pool

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

532
citations

840776

11
h-index

940533

16
g-index

19
all docs

19
docs citations

19
times ranked

500
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamics of negative hydraulic barriers to prevent seawater intrusion. Hydrogeology Journal, 2010, 18, 95-105.	2.1	94
2	A correction factor to account for mixing in Ghyben-Herzberg and critical pumping rate approximations of seawater intrusion in coastal aquifers. Water Resources Research, 2011, 47, .	4.2	93
3	Effects of tidal fluctuations and spatial heterogeneity on mixing and spreading in spatially heterogeneous coastal aquifers. Water Resources Research, 2015, 51, 1570-1585.	4.2	72
4	Groundwater modelling as a tool for the European Water Framework Directive (WFD) application: The Llobregat case. Physics and Chemistry of the Earth, 2006, 31, 1015-1029.	2.9	45
5	Effects of tidal fluctuations on mixing and spreading in coastal aquifers: Homogeneous case. Water Resources Research, 2014, 50, 6910-6926.	4.2	45
6	A comparison of deterministic and stochastic approaches for regional scale inverse modeling on the Mar del Plata aquifer. Journal of Hydrology, 2015, 531, 214-229.	5.4	36
7	Combining fiber optic DTS, cross-hole ERT and time-lapse induction logging to characterize and monitor a coastal aquifer. Journal of Hydrology, 2020, 588, 125050.	5.4	30
8	Dynamics and design of systems for geological storage of dissolved CO ₂ . Advances in Water Resources, 2013, 62, 533-542.	3.8	27
9	Heat Dissipation Test With Fiber-Optic Distributed Temperature Sensing to Estimate Groundwater Flux. Water Resources Research, 2021, 57, e2020WR027228.	4.2	23
10	A multidisciplinary approach to characterizing coastal alluvial aquifers to improve understanding of seawater intrusion and submarine groundwater discharge. Journal of Hydrology, 2022, 607, 127510.	5.4	19
11	Effects of Heterogeneity, Connectivity, and Density Variations on Mixing and Chemical Reactions Under Temporally Fluctuating Flow Conditions and the Formation of Reaction Patterns. Water Resources Research, 2018, 54, 186-204.	4.2	18
12	Vertical average for modeling seawater intrusion. Water Resources Research, 2011, 47, .	4.2	9
13	Transient forcing effects on mixing of two fluids for a stable stratification. Water Resources Research, 2016, 52, 7178-7197.	4.2	8
14	Heterogeneity-Induced Mixing and Reaction Hot Spots Facilitate Karst Propagation in Coastal Aquifers. Geophysical Research Letters, 2020, 47, e2020GL087529.	4.0	7
15	Subsurface Mixing Dynamics Across the Salt-Freshwater Interface. Geophysical Research Letters, 2022, 49, .	4.0	3
16	Reply to comment by Behzad Ataie-Ashtiani on "Effects of tidal fluctuations on mixing and spreading in coastal aquifers: Homogeneous case". Water Resources Research, 2015, 51, 4859-4860.	4.2	2