Juan Manuel Rivero

List of Publications by Year
in descending order

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12 papers	84 citations	1478505 6 h-index	1474206 9 g-index

12 all docs	12 docs citations	12 times ranked	24 citing authors

#	Article	IF	Citations
1	Enhanced multipole method for the transient thermal response of slender geothermal boreholes. International Journal of Thermal Sciences, 2021, 164, 106531.	4.9	9
2	On the symmetry properties of the network of thermal resistances representing the thermal response of slender geothermal boreholes. Geothermics, 2021, 94, 102078.	3.4	2
3	Analysis of the long-term thermal response of geothermal heat exchangers by means of asymptotic expansion techniques. Science and Technology for the Built Environment, 2020, 26, 400-413.	1.7	4
4	New generation of theoretical models for the thermal response of geothermal heat exchangers. IOP Conference Series: Earth and Environmental Science, 2020, 410, 012042.	0.3	2
5	Harmonic Thermal Response of Thermally Interacting Geothermal Boreholes. SIAM Journal on Applied Mathematics, 2020, 80, 262-288.	1.8	7
6	On the ill-posedness of the g-function model for the thermal response of geothermal heat exchangers. International Journal of Thermal Sciences, 2019, 138, 285-292.	4.9	4
7	Thermal Response of Slender Geothermal Boreholes to Subannual Harmonic Excitations. SIAM Journal on Applied Mathematics, 2019, 79, 230-256.	1.8	14
8	Fast inverse laplace transform for the unsteady thermal response of geothermal heat exchangers. AIP Conference Proceedings, 2019, , .	0.4	4
9	An order 102 speedup in the computation of the steady-state thermal response of geothermal heat exchangers. AIP Conference Proceedings, 2018, , .	0.4	6
10	On the Steady-State Thermal Response of Slender Geothermal Boreholes. SIAM Journal on Applied Mathematics, 2018, 78, 1658-1681.	1.8	14
11	Asymptotic Analysis of Vertical Geothermal Boreholes in the Limit of Slowly Varying Heat Injection Rates. SIAM Journal on Applied Mathematics, 2014, 74, 60-82.	1.8	17
12	Modeling the thermal interaction of geothermal boreholes with aquifers using asymptotic expansion techniques. IOP Conference Series: Earth and Environmental Science, 0, 588, 052033.	0.3	1