Timotheus K T Wolterbeek

List of Publications by Year
in descending order

11	260	1163117 8	1281871 11
papers	citations	h-index	g-index

13	13	13	299
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Uniaxial compaction of sand using 4D X-ray tomography: The effect of mineralogy on grain-scale compaction mechanisms. Materials Today Communications, 2021, 26, 101881.	1.9	8
2	Remediation of Annular Gas Migration along Cemented Wellbores Using Reactive Mineral Fluids: Experimental Assessment of Sodium Bicarbonate and Sodium Silicate-Based Solutions. Energies, 2021, 14, 7507.	3.1	2
3	Native copper formation in mine-prop wood from Cyprus illustrates displacive growth by force of crystallization. Journal of Structural Geology, 2020, 130, 103927.	2.3	2
4	Reactive transport and permeability evolution in wellbore defects exposed to periodic pulses of CO2-rich water. International Journal of Greenhouse Gas Control, 2019, 91, 102835.	4.6	13
5	Reaction-driven casing expansion: potential for wellbore leakage mitigation. Acta Geotechnica, 2018, 13, 341.	5.7	8
6	Meter-Scale Reactive Transport Modeling of CO₂-Rich Fluid Flow along Debonded Wellbore Casing-Cement Interfaces. Environmental Science & Technology, 2018, 52, 3786-3795.	10.0	23
7	The Force of Crystallization and Fracture Propagation during In-Situ Carbonation of Peridotite. Minerals (Basel, Switzerland), 2017, 7, 190.	2.0	28
8	Effect of CO 2 -induced reactions on the mechanical behaviour of fractured wellbore cement. Geomechanics for Energy and the Environment, 2016, 7, 26-46.	2.5	27
9	Reactive transport of CO 2 -rich fluids in simulated wellbore interfaces: Flow-through experiments on the 1â€“6 m length scale. International Journal of Greenhouse Gas Control, 2016, 54, 96-116.	4.6	28
10	Reaction and transport in wellbore interfaces under CO2 storage conditions: Experiments simulating debonded cementâ€“casing interfaces. International Journal of Greenhouse Gas Control, 2013, 19, 519-529.	4.6	28
11	Pore-scale modeling of reactive transport in wellbore cement under CO2 storage conditions. International Journal of Greenhouse Gas Control, 2012, 11, S67-S77.	4.6	93