

Timotheus K T Wolterbeek

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4454393/publications.pdf>

Version: 2024-02-01

11
papers

260
citations

1163117

8
h-index

1281871

11
g-index

13
all docs

13
docs citations

13
times ranked

299
citing authors

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