

Claus Kjällner

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Injection of Ca-depleted formation water in the Lower Triassic Bunter Sandstone Formation for seasonal heat storage in geothermal sandstone reservoirs: Effects on reservoir quality. <i>Geothermics</i> , 2021, 96, 102179.	3.4	5
2	Shale Creep as Leakage Healing Mechanism in CO ₂ Sequestration. <i>Energy Procedia</i> , 2017, 114, 3096-3112.	1.8	25
3	Closing of Micro-cavities in Well Cement upon Exposure to CO ₂ Brine. <i>Energy Procedia</i> , 2017, 114, 5100-5108.	1.8	11
4	The influence of climate on early and burial diagenesis of Triassic and Jurassic sandstones from the Norwegianâ€“Danish Basin. <i>Depositional Record</i> , 2017, 3, 60-91.	1.7	25
5	Core Flooding Experiments and Reactive Transport Modeling of Seasonal Heat Storage in the Hot Deep Gassum Sandstone Formation. <i>ACS Earth and Space Chemistry</i> , 2017, 1, 251-260.	2.7	8
6	Predicting permeability of low-enthalpy geothermal reservoirs: A case study from the Upper Triassic â€“ Lower Jurassic Gassum Formation, Norwegianâ€“Danish Basin. <i>Geothermics</i> , 2017, 65, 135-157.	3.4	29
7	Cement Self-Healing as a Result of CO ₂ Leakage. <i>Energy Procedia</i> , 2016, 86, 342-351.	1.8	14
8	Mechanical Effect of CO ₂ Flooding of a Sandstone Specimen. <i>Energy Procedia</i> , 2016, 86, 361-370.	1.8	6
9	Novel experimental/numerical approach to evaluate the permeability of cement-caprock systems. <i>International Journal of Greenhouse Gas Control</i> , 2016, 45, 86-93.	4.6	32
10	Diagenetic effects on porosityâ€“permeability relationships in red beds of the Lower Triassic Bunter Sandstone Formation in the North German Basin. <i>Sedimentary Geology</i> , 2015, 321, 139-153.	2.1	47
11	Different effects of temperature and salinity on permeability reduction by fines migration in Berea sandstone. <i>Geothermics</i> , 2015, 53, 225-235.	3.4	85
12	Carbonate dissolution in Mesozoic sand- and claystones as a response to CO ₂ exposure at 70Â°C and 20MPa. <i>Applied Geochemistry</i> , 2014, 42, 1-15.	3.0	16
13	The effect of hot water injection on sandstone permeability. <i>Geothermics</i> , 2014, 50, 155-166.	3.4	71
14	Mineral changes in CO ₂ experiments â€“ Examples from Danish onshore saline aquifers.. <i>Energy Procedia</i> , 2011, 4, 4495-4502.	1.8	15
15	Geochemical impacts of CO ₂ storage in saline aquifers with various mineralogyâ€“Results from laboratory experiments and reactive geochemical modelling. <i>Energy Procedia</i> , 2011, 4, 4724-4731.	1.8	16
16	Groundwater Acidification and the Mobilization of Trace Metals in a Sandy Aquifer. <i>Environmental Science & Technology</i> , 2004, 38, 2829-2835.	10.0	82