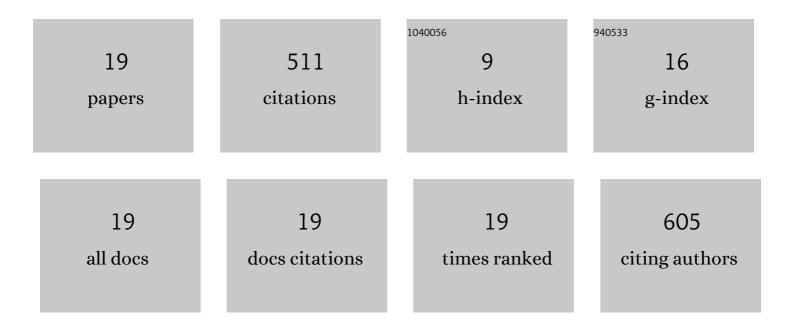
Kristian Jessen

List of Publications by Year in descending order

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KDISTIAN JESSEN

| # | Article | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Laboratory and Simulation Investigation of Enhanced Coalbed Methane Recovery by Gas Injection. Transport in Porous Media, 2008, 73, 141-159. | 2.6 | 172 |
| 2 | Competitive Sorption of Methane/Ethane Mixtures on Shale: Measurements and Modeling. Industrial & amp; Engineering Chemistry Research, 2015, 54, 12187-12195. | 3.7 | 76 |
| 3 | Impacts of the subsurface storage of natural gas and hydrogen mixtures. International Journal of Hydrogen Energy, 2020, 45, 8757-8773. | 7.1 | 64 |
| 4 | Laboratory-Scale Investigation of Sorption Kinetics of Methane/Ethane Mixtures in Shale. Industrial & Engineering Chemistry Research, 2017, 56, 9953-9963. | 3.7 | 34 |
| 5 | A review of geochemical–mechanical impacts in geological carbon storage reservoirs. , 2019, 9, 474-504. | | 32 |
| 6 | Image-based modeling of gas adsorption and deformation in porous media. Scientific Reports, 2018, 8, 8249. | 3.3 | 26 |
| 7 | Modeling \$\$hbox {CO}_2\$\$-Induced Alterations in Mt. Simon Sandstone via Nanomechanics. Rock Mechanics and Rock Engineering, 2019, 52, 1353-1375. | 5.4 | 20 |
| 8 | Four-component gas/water/oil displacements in one dimension: part II, example solutions. Transport in Porous Media, 2008, 72, 83-96. | 2.6 | 19 |
| 9 | Mixing and Mass Transfer in Multicontact Miscible Displacements. Transport in Porous Media, 2012, 94, 837-857. | 2.6 | 14 |
| 10 | An Integrated Approach for the Characterization of Shales and Other Unconventional Resource Materials. Industrial & Engineering Chemistry Research, 2016, 55, 3718-3728. | 3.7 | 14 |
| 11 | Analytical and numerical investigation of multicomponent multiphase WAG displacements. Computational Geosciences, 2010, 14, 745-754. | 2.4 | 10 |
| 12 | Influence of geochemical reactions on the creep behavior of Mt. Simon sandstone. International Journal of Greenhouse Gas Control, 2020, 103, 103183. | 4.6 | 8 |
| 13 | Dynamic Relative Permeability and Simulation of WAG Injection Processes. Transport in Porous Media, 2017, 117, 125-147. | 2.6 | 6 |
| 14 | Three-Dimensional Imaging and Quantification of Gas Storativity in Nanoporous Media via X-rays Computed Tomography. Energies, 2020, 13, 6199. | 3.1 | 5 |
| 15 | Investigation of Mass Transfer and Sorption in CO ₂ /Brine/Rock Systems via In Situ FT-IR. Industrial & Engineering Chemistry Research, 2020, 59, 20181-20189. | 3.7 | 5 |
| 16 | An Experimental Investigation of Desorption Kinetics and Mass Transfer in Shale. , 2016, , . | | 3 |
| 17 | Impact of exposure to brine/CO 2 on the mechanical and transport properties of the Mt. Simon Sandstone. , 2021, 11, 1043. | | 1 |
| 18 | A new approach to study adsorption on shales and other microporous solids via the thermogravimetric analysis (TGA) technique. Chemical Engineering Science, 2022, 247, 117068. | 3.8 | 1 |

| # | Article | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Advanced Geomechanical Model to Predict the Impact of CO2-Induced Microstructural Alterations on the Cohesive-Frictional Behavior of Mt. Simon Sandstone. Minerals (Basel, Switzerland), 2021, 11, 38. | 2.0 | 1 |