

Odd A Andersen

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

436
citations

840119

11
h-index

752256

20
g-index

22
all docs

22
docs citations

22
times ranked

185
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of CO ₂ trapping capacities and long-term migration for geological formations in the Norwegian North Sea using MRST-co2lab. Computers and Geosciences, 2015, 79, 15-26.	2.0	50
2	Robust simulation of sharp-interface models for fast estimation of CO ₂ trapping capacity in large-scale aquifer systems. Computational Geosciences, 2016, 20, 93-113.	1.2	50
3	Fully-implicit simulation of vertical-equilibrium models with hysteresis and capillary fringe. Computational Geosciences, 2016, 20, 49-67.	1.2	49
4	A simulation workflow for large-scale CO ₂ storage in the Norwegian North Sea. Computational Geosciences, 2016, 20, 607-622.	1.2	45
5	Virtual element method for geomechanical simulations of reservoir models. Computational Geosciences, 2017, 21, 877-893.	1.2	43
6	Spill-point analysis and structural trapping capacity in saline aquifers using MRST-co2lab. Computers and Geosciences, 2015, 75, 33-43.	2.0	40
7	Vertically Averaged Equations with Variable Density for CO_2 Flow in Porous Media. Transport in Porous Media, 2015, 107, 95-127.	1.2	35
8	An Open-Source Toolchain for Simulation and Optimization of Aquifer-Wide CO ₂ Storage. Energy Procedia, 2016, 86, 324-333.	1.8	25
9	Using Sensitivities and Vertical-equilibrium Models for Parameter Estimation of CO ₂ Injection Models with Application to Sleipner Data. Energy Procedia, 2017, 114, 3476-3495.	1.8	18
10	Investigating simplified modeling choices for numerical simulation of CO ₂ storage with thermal effects. International Journal of Greenhouse Gas Control, 2018, 72, 49-64.	2.3	15
11	Using simplified methods to explore the impact of parameter uncertainty on CO ₂ storage estimates with application to the Norwegian Continental Shelf. International Journal of Greenhouse Gas Control, 2018, 75, 198-213.	2.3	11
12	Benchmarking of vertically integrated models for the study of the impact of caprock morphology on CO ₂ migration. International Journal of Greenhouse Gas Control, 2019, 90, 102802.	2.3	11
13	Building an Ontology of CAD Model Information. , 2007, , 11-40.		10
14	On obtaining optimal well rates and placement for CO ₂ storage. Computational Geosciences, 2017, 21, 1403-1422.	1.2	10
15	Ranking and categorizing large-scale saline aquifer formations based on optimized CO ₂ storage potentials and economic factors. International Journal of Greenhouse Gas Control, 2017, 65, 182-194.	2.3	5
16	Categorization of Norwegian Continental Shelf Formations in Terms of Geological CO ₂ Storage Potentials. Energy Procedia, 2017, 114, 4583-4594.	1.8	4
17	Modeling geomechanical impact of fluid storage in poroelastic media using precomputed response functions. Computational Geosciences, 2017, 21, 1135-1156.	1.2	3
18	Quantitative evaluation of the joint effect of uncertain parameters in CO ₂ storage in the Sleipner project, using data-driven models. International Journal of Greenhouse Gas Control, 2020, 103, 103180.	2.3	3

#	ARTICLE	IF	CITATIONS
19	Multi-model hybrid compositional simulator with application to segregated flow. Computational Geosciences, 2020, 24, 775-787.	1.2	3
20	Estimating Caprock Impact on CO2 Migration in the Gassum Formation Using 2D Seismic Line Data. Transport in Porous Media, 2021, 138, 459-487.	1.2	3
21	A History Matching Approach to Estimate Caprock Morphology Parameters for CO2 Storage in Saline Aquifers. , 2019, , .		2
22	Vertical Equilibrium Flow Models with Fully Coupled Geomechanics for CO2 Storage Modeling, Using Precomputed Mechanical Response Functions. Energy Procedia, 2017, 114, 3113-3131.	1.8	1