

Hoonyoung Jeong

List of Publications by Year in descending order

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22
papers

508
citations

687363

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395
citing authors

#	ARTICLE	IF	CITATIONS
1	Predicting CO ₂ Plume Migration in Heterogeneous Formations Using Conditional Deep Convolutional Generative Adversarial Network. <i>Water Resources Research</i> , 2019, 55, 5830-5851.	4.2	105
2	Fast evaluation of well placements in heterogeneous reservoir models using machine learning. <i>Journal of Petroleum Science and Engineering</i> , 2018, 163, 463-475.	4.2	96
3	A learning-based data-driven forecast approach for predicting future reservoir performance. <i>Advances in Water Resources</i> , 2018, 118, 95-109.	3.8	51
4	Improvement of Ensemble Smoother with Clustered Covariance for Channelized Reservoirs. <i>Energy Exploration and Exploitation</i> , 2013, 31, 713-726.	2.3	30
5	Characterization of Channelized Reservoir Using Ensemble Kalman Filter with Clustered Covariance. <i>Energy Exploration and Exploitation</i> , 2013, 31, 17-29.	2.3	27
6	Building complex event processing capability for intelligent environmental monitoring. <i>Environmental Modelling and Software</i> , 2019, 116, 1-6.	4.5	27
7	Metamodeling-based approach for risk assessment and cost estimation: Application to geological carbon sequestration planning. <i>Computers and Geosciences</i> , 2018, 113, 70-80.	4.2	21
8	Fast assessment of CO ₂ plume characteristics using a connectivity based proxy. <i>International Journal of Greenhouse Gas Control</i> , 2016, 49, 387-412.	4.6	18
9	Characterization of three-dimensional channel reservoirs using ensemble Kalman filter assisted by principal component analysis. <i>Petroleum Science</i> , 2020, 17, 182-195.	4.9	18
10	Cost-optimal design of pressure-based monitoring networks for carbon sequestration projects, with consideration of geological uncertainty. <i>International Journal of Greenhouse Gas Control</i> , 2018, 71, 278-292.	4.6	17
11	Influence of injection strategies on local capillary trapping during geological carbon sequestration in saline aquifers. <i>Journal of CO₂ Utilization</i> , 2018, 27, 441-449.	6.8	16
12	Integration of an Iterative Update of Sparse Geologic Dictionaries with ES-MDA for History Matching of Channelized Reservoirs. <i>Geofluids</i> , 2018, 2018, 1-21.	0.7	15
13	Utilization of multiobjective optimization for pulse testing dataset from a CO ₂ -EOR/sequestration field. <i>Journal of Petroleum Science and Engineering</i> , 2018, 170, 244-266.	4.2	13
14	Development of ensemble smoother–neural network and its application to history matching of channelized reservoirs. <i>Journal of Petroleum Science and Engineering</i> , 2020, 191, 107159.	4.2	13
15	Efficient deep-learning-based history matching for fluvial channel reservoirs. <i>Journal of Petroleum Science and Engineering</i> , 2021, , 109247.	4.2	13
16	Fast selection of geologic models honoring CO ₂ plume monitoring data using Hausdorff distance and scaled connectivity analysis. <i>International Journal of Greenhouse Gas Control</i> , 2017, 59, 40-57.	4.6	10
17	Sequential short-term optimization of gas lift using linear programming: A case study of a mature oil field in Russia. <i>Journal of Petroleum Science and Engineering</i> , 2021, 205, 108767.	4.2	6
18	Efficient Ensemble-Based Stochastic Gradient Methods for Optimization Under Geological Uncertainty. <i>Frontiers in Earth Science</i> , 2020, 8, .	1.8	4

#	ARTICLE	IF	CITATIONS
19	Use of Channel Information Update and Discrete Cosine Transform in Ensemble Smoother for Channel Reservoir Characterization. Journal of Energy Resources Technology, Transactions of the ASME, 2020, 142, .	2.3	4
20	Buoyant and countercurrent flow of CO2 with capillary dispersion. Journal of Petroleum Science and Engineering, 2020, 195, 107922.	4.2	2
21	Optimization of Well Operations in a Carbonate Reservoir Using Stochastic Simplex Approximate Gradient. Journal of the Korean Society of Mineral and Energy Resources Engineers, 2021, 58, 119-129.	0.4	1
22	Analysis of Data Disclosure and Reservoir Model of the Volve Oilfield in the North Sea. Journal of the Korean Society of Mineral and Energy Resources Engineers, 2021, 58, 353-363.	0.4	1