

Adrian Ambrus

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

262
citations

1163117

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1372567

10
g-index

18
all docs

18
docs citations

18
times ranked

166
citing authors

#	ARTICLE	IF	CITATIONS
1	Computationally efficient simulation of non-isothermal two-phase flow during well construction using a new reduced drift-flux model. Applied Thermal Engineering, 2022, 206, 118077.	6.0	10
2	Autonomous Decision-Making While Drilling. Energies, 2021, 14, 969.	3.1	9
3	A phenomenological transient model of bit foundering. Journal of Petroleum Science and Engineering, 2021, 199, 108299.	4.2	2
4	Gas in riser: On modeling gas influxes in non-aqueous drilling fluids with time-dependent desorption considerations. Journal of Petroleum Science and Engineering, 2020, 195, 107785.	4.2	11
5	A Switching MPD Controller for Mitigating Riser Gas Unloading Events in Offshore Drilling. SPE Drilling and Completion, 2020, 35, 201-217.	1.6	12
6	Higher Precision Automated Managed Pressure Drilling Control Achieved Through the Addition of a Thermal Model. , 2019, , .		3
7	Higher Precision Automated Managed Pressure Drilling Control Achieved Through the Addition of a Thermal Model. , 2019, , .		2
8	A Switching Controller for Mitigating Riser Gas Unloading Hazards in Offshore Drilling. , 2019, , .		6
9	From shallow horizontal drilling to ERD wells: How scale affects drillability and the management of drilling incidents. Journal of Petroleum Science and Engineering, 2018, 160, 91-105.	4.2	11
10	Similarity Analysis for Downscaling a Full Size Drill String to a Laboratory Scale Test Drilling Rig. , 2018, , .		1
11	A simplified two-phase flow model using a quasi-equilibrium momentum balance. International Journal of Multiphase Flow, 2016, 83, 77-85.	3.4	31
12	Real-time estimation of reservoir influx rate and pore pressure using a simplified transient two-phase flow model. Journal of Natural Gas Science and Engineering, 2016, 32, 439-452.	4.4	29
13	Robust controller design for automated kick handling in managed pressure drilling. Journal of Process Control, 2016, 47, 46-57.	3.3	22
14	A Simplified Gas-Liquid Flow Model for Kick Mitigation and Control During Drilling Operations. , 2015, , .		9
15	A Simplified Transient Multi-Phase Model for Automated Well Control Applications. , 2015, , .		12
16	Overcoming Barriers to Adoption of Drilling Automation: Moving Towards Automated Well Manufacturing. , 2015, , .		10
17	Critical evaluation of the indentation data analyses methods for the extraction of isotropic uniaxial mechanical properties using finite element models. Acta Materialia, 2012, 60, 3943-3952.	7.9	82