

Adrian Ambrus

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

262
citations

1163117

8
h-index

1372567

10
g-index

18
all docs

18
docs citations

18
times ranked

166
citing authors

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