Chiranth Hegde

List of Publications by Year
in descending order

12 papers	569 citations	1163117 8 h-index	1474206 9 g-index
12 all docs	12 docs citations	12 times ranked	271 citing authors

#	Article	IF	Citations
1	Analysis of rate of penetration (ROP) prediction in drilling using physics-based and data-driven models. Journal of Petroleum Science and Engineering, 2017, 159, 295-306.	4.2	121
2	Use of machine learning and data analytics to increase drilling efficiency for nearby wells. Journal of Natural Gas Science and Engineering, 2017, 40, 327-335.	4.4	115
3	Evaluation of coupled machine learning models for drilling optimization. Journal of Natural Gas Science and Engineering, 2018, 56, 397-407.	4.4	82
4	Using Trees, Bagging, and Random Forests to Predict Rate of Penetration During Drilling. , 2015, , .		56
5	Performance Comparison of Algorithms for Real-Time Rate-of-Penetration Optimization in Drilling Using Data-Driven Models. SPE Journal, 2018, 23, 1706-1722.	3.1	47
6	Classification of drilling stick slip severity using machine learning. Journal of Petroleum Science and Engineering, 2019, 179, 1023-1036.	4.2	35
7	Rate of penetration (ROP) optimization in drilling with vibration control. Journal of Natural Gas Science and Engineering, 2019, 67, 71-81.	4.4	35
8	Fully coupled end-to-end drilling optimization model using machine learning. Journal of Petroleum Science and Engineering, 2020, 186, 106681.	4.2	30
9	A Critical Comparison of Regression Models and Artificial Neural Networks to Predict Ground Vibrations. Geotechnical and Geological Engineering, 2017, 35, 573-583.	1.7	22
10	Rate of Penetration (ROP) Modeling Using Hybrid Models: Deterministic and Machine Learning. , 2018, , .		18
11	Prediction of peak particle velocity using multi regression analysis: case studies. Geomechanics and Geoengineering, 2017, 12, 207-214.	1.8	6
12	Application of Real-time Video Streaming and Analytics to Breakdown Rig Connection Process. , 2018, , .		2