

# Chiranth Hegde

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11085655/publications.pdf>

Version: 2024-02-01

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	Fully coupled end-to-end drilling optimization model using machine learning. Journal of Petroleum Science and Engineering, 2020, 186, 106681.	4.2	30
2	Classification of drilling stick slip severity using machine learning. Journal of Petroleum Science and Engineering, 2019, 179, 1023-1036.	4.2	35
3	Rate of penetration (ROP) optimization in drilling with vibration control. Journal of Natural Gas Science and Engineering, 2019, 67, 71-81.	4.4	35
4	Rate of Penetration (ROP) Modeling Using Hybrid Models: Deterministic and Machine Learning. , 2018, , .		18
5	Application of Real-time Video Streaming and Analytics to Breakdown Rig Connection Process. , 2018, , .		2
6	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
7	Evaluation of coupled machine learning models for drilling optimization. Journal of Natural Gas Science and Engineering, 2018, 56, 397-407.	4.4	82
8	Prediction of peak particle velocity using multi regression analysis: case studies. Geomechanics and Geoengineering, 2017, 12, 207-214.	1.8	6
9	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
10	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
11	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
12	Using Trees, Bagging, and Random Forests to Predict Rate of Penetration During Drilling. , 2015, , .		56