Mathias, M H

List of Publications by Year in descending order

19 papers	224 citations	1478505 6 h-index	1199594 12 g-index
19 all docs	19 docs citations	19 times ranked	188 citing authors

#	ARTICLE	IF	CITATIONS
1	Machine learning methods applied to drilling rate of penetration prediction and optimization - A review. Journal of Petroleum Science and Engineering, 2019, 183, 106332.	4.2	98
2	Conception of a Web Operation System for Processing Petroleum Related Drilling Data: A Focus on Pre-Salt Real-Time Automation and Optimization. Journal of Software Engineering and Applications, 2019, 12, 61-71.	1.1	3
3	Design and evaluation of a research-educational test bench applied to rotor dynamics studies. IEEE Latin America Transactions, 2018, 16, 2161-2167.	1.6	0
4	The dynamic analysis of rotors mounted on composite shafts with internal damping. Composite Structures, 2017, 167, 50-62.	5.8	20
5	Reverse Engineering: A New Well Monitoring and Analysis Methodology Approaching Playing-Back Drill-Rate Tests in Real-Time for Drilling Optimization. Journal of Energy Resources Technology, Transactions of the ASME, 2017, 139, .	2.3	11
6	A low cost data acquisition system for measuring shock. IEEE Latin America Transactions, 2016, 14, 2059-2065.	1.6	0
7	Experimental Observation Of Nonlinear Vibrations Using A Closed-Loop Vibration System. Metrology and Measurement Systems, 2015, 22, 559-564.	1.4	2
8	Application of a computer sound card for measurement of mechanical vibrations. Revista Brasileira De Ensino De Fisica, 2015, 37, 4313-1-4313-6.	0.2	1
9	Mathematical Modeling Applied to Drilling Engineering: An Application of Bourgoyne and Young ROP Model to a Presalt Case Study. Mathematical Problems in Engineering, 2015, 2015, 1-9.	1.1	25
10	Condition-based monitoring system for rolling element bearing using a generic multi-layer perceptron. JVC/Journal of Vibration and Control, 2015, 21, 3456-3464.	2.6	31
11	A tool for controlling accelerometers. Secondary calibration data. Comptes Rendus - Mecanique, 2013, 341, 687-696.	2.1	4
12	Time-Frequency Analysis Combining Wavelets and the Envelope Technique for Fault Identification in Rotary Machines. Advanced Materials Research, 2013, 664, 901-906.	0.3	1
13	Maximization of the Signal Impulsiveness Combining Envelope Technique with Minimum Entropy Deconvolution. Applied Mechanics and Materials, 2013, 392, 725-729.	0.2	2
14	Development of an instrumentation system embedded on FPGA for real time measurement of mechanical vibrations in rotating machinery. , 2012, , .		4
15	Design of a LabVIEW System Applied to Predictive Maintenance. Applied Mechanics and Materials, 2012, 249-250, 208-212.	0.2	0
16	A new approach for real time fault diagnosis in induction motors based on vibration measurement. , 2010, , .		12
17	Proposal of Architecture for Launcher Systems of Unguided Sounding Rockets. , 2006, , .		0
18	Complex oscillatory behaviour in a cracked beam under sinusoidal excitation. Journal of Sound and Vibration, 1995, 186, 350-354.	3.9	10

#	Article	IF	Citations
19	Considerations in Light Truck Suspension Design. , 0, , .		0