PrzemysÅ‚aw Moczko

List of Publications by Year
in descending order

37 papers	297 citations	933447 10 h-index	996975 15 g-index
49 all docs	49 docs citations	49 times ranked	176 citing authors

#	Article	IF	Citations
1	Implementation of experimental method of determining modal characteristics of surface mining machinery in the modernization of the excavating unit. Archives of Civil and Mechanical Engineering, 2012, 12, 471-476.	3.8	42
2	Examination of the causes of a bucket wheel fracture in a bucket wheel excavator. Engineering Failure Analysis, 2010, 17, 1300-1312.	4.0	39
3	Investigation of vibrations of a main centrifugal fan used in mine ventilation. Archives of Civil and Mechanical Engineering, 2014, 14, 569-579.	3.8	24
4	Numerical and experimental analysis of a mine's loader boom crack. Automation in Construction, 2008, 17, 271-277.	9.8	19
5	Investigation and modernization of buckets of surface mining machines. Engineering Structures, 2015, 90, 29-37.	5.3	18
6	Proactive Condition Monitoring of Low-Speed Machines. , 2015, , .		16
7	Investigation of the failure of the bucket wheel excavator bridge conveyor. Engineering Failure Analysis, 2019, 106, 104180.	4.0	14
8	Experimental and Numerical Studies of Jaw Crusher Supporting Structure Fatigue Failure. Strojniski Vestnik/Journal of Mechanical Engineering, 2013, 9, 556-563.	1.1	13
9	Proactive control system of condition of low-speed cement machinery. Automation in Construction, 2013, 31, 313-324.	9.8	12
10	Iterative learning from suppressing vibrations in construction machinery using magnetorheological dampers. Automation in Construction, 2020, 119, 103326.	9.8	11
11	Material handling and mining equipment: International standards recommendations for design and testing. FME Transactions, 2018, 46, 291-298.	1.4	10
12	Data from vibration measurement in a bucket wheel excavator operator's cabin with the aim of vibrations damping. Data in Brief, 2021, 35, 106836.	1.0	9
13	Structural Modifications of Excavatorâ€™s Bucket Wheel by the Use of Numerical Methods. Solid State Phenomena, 0, 165, 330-335.	0.3	6
14	Monitoring and testing of high power industrial fans vibration. Procedia Engineering, 2017, 199, 2190-2195.	1.2	6
15	Identification of low cycle dynamic loads acting on heavy machinery. Procedia Engineering, 2017, 199, 254-259.	1.2	5
16	The lifetime prediction of a rotary screw compressor of a liquid cooler subjected to high pressure and high frequency loads. Engineering Failure Analysis, 2010, 17, 1290-1299.	4.0	4
17	Estimating the Remaining Operating Time of Mining Headframe with Consideration of Its Current Technical Condition. Procedia Engineering, 2013, 57, 958-966.	1.2	4
18	The influence of copper ore lithology on the grinding media wear. Wear, 2014, 318, 40-48.	3.1	4

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19	Enhancing Efficiency of Industrial Centrifugal Fans Using Blade Adjustment Mechanism. Energies, 2022, 15, 893.	3.1	4
20	Experimental â€“ numerical method for assessing the condition of opencast mining and material handling equipment. Australian Journal of Structural Engineering, 2019, 20, 248-258.	1.1	3
21	Analysis of the Fatigue Fractures in the Eccentric Press Shaft. Solid State Phenomena, 0, 165, 321-329.	0.3	2
22	Analysis of the Causes of Fatigue Cracks in the Carrying Structure of the Bucket Wheel in the SchRs4600 Excavator Using Experimental-Numerical Techniques. Lecture Notes in Mechanical Engineering, 2019, , 15-28.	0.4	2
23	Selected Aspects of Technical Condition State Assessment of Spreaders Operating in Lignite Mines. Lecture Notes in Mechanical Engineering, 2017, , 89-98.	0.4	2
24	Numerical and Experimental Testing of the WLS Series Axial Fans Used for Local Ventilation of Underground Excavations. Lecture Notes in Mechanical Engineering, 2019, , 497-509.	0.4	1
25	Investigation of Influence of Unevenly Spaced Blades onto Working Parameters of Centrifugal Fans Impellers Used in Mine Ventilation. Lecture Notes in Mechanical Engineering, 2017, , 389-398.	0.4	1
26	The Numerical and Experimental Vibrations Analysis of WLS Series Fans Designed for the Use in Underground Mines. Lecture Notes in Mechanical Engineering, 2017, , 489-504.	0.4	1
27	Field and Numerical Testing of the BWE SchRs4600.50 Dynamic Behavior. Conference Proceedings of the Society for Experimental Mechanics, 2014, , 525-532.	0.5	1
28	Accuracy Evaluation of Thermoelastic Stress Analysis with the Use of Experimental and Numerical Methods. Materials, 2022, 15, 1961.	2.9	1
29	The use of thermoelastic stress analysis for stress distribution evaluation of an industrial equipment under regular operating conditions. Archives of Civil and Mechanical Engineering, 2022, 22, 1.	3.8	1
30	Selected Problems of Fatigue Testing of Automotive Drive Shafts. Lecture Notes in Mechanical Engineering, 2019, , 627-635.	0.4	0
31	Design and approval third party audit of material handling and mining equipment. International Journal of Mining and Mineral Engineering, 2019, 10, 205.	0.3	0
32	Method for Determining Bucket Chain Drive Loads During Excavation of the Bucket Chain Excavator. Lecture Notes in Mechanical Engineering, 2017, , 249-258.	0.4	0
33	Failure Analysis. , 2017, , 85-128.		0
34	Methods of Condition Assessment. , 2017, , 41-84.		0
35	Main Problems Related to the Operation and Maintenance of Mega Machines. , 2017, , 9-40.		0
36	Design and approval third party audit of material handling and mining equipment. International Journal of Mining and Mineral Engineering, 2019, 10, 205.	0.3	0

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37	Determination of the Bucket Wheel Suspension Stiffness. Lecture Notes in Mechanical Engineering, 2019, , 527-536.	0.4	0