

Carmen Bujoreanu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

38
papers

116
citations

4
h-index

9
g-index

40
ext. papers

151
ext. citations

1.1
avg, IF

2.92
L-index

#	Paper	IF	Citations
38	Noise Attenuation Analysis of a Multilayer Wall. <i>Lecture Notes in Mechanical Engineering</i> , 2023 , 47-57	0.4	
37	Acoustic Performance of Some Lined Dissipative Silencers. <i>Lecture Notes in Mechanical Engineering</i> , 2022 , 302-311	0.4	
36	Fractures Analysis in High-Pressure Pumps 2021 , 67, 31-38		
35	Experimental Investigation on Assembly Process for High Pressure Injection Pump Components 2021 , 67, 9-16		
34	Solutions for Reducing the Energy Consumed by the Automotive HVAC System 2021 , 67, 33-38		
33	Dynamic Evaluation of Traffic Noise through Standard and Multifractal Models. <i>Symmetry</i> , 2020 , 12, 1857-7		1
32	Wear issues on high-pressure common rail pumps. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 724, 012021	0.4	3
31	Theoretical and Experimental Considerations on Acoustic Attenuation of Plenum Boxes Lined with Different Materials. <i>Lecture Notes in Electrical Engineering</i> , 2019 , 547-553	0.2	
30	Study on reducing pollutant gases and particulate content inside the passenger car. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 591, 012033	0.4	1
29	Scuffing analysis of roller-shoe mechanism after an aggressive test. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 591, 012020	0.4	2
28	Analysis of the noise emissions of a common-rail pump before and after an endurance test. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 591, 012064	0.4	1
27	Influence of sealing gasket distortion on diesel engine injection pump mounting. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 591, 012003	0.4	3
26	Experimental study of acoustic performances of reactive engine mufflers. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 564, 012077	0.4	
25	The study of the motion of a gyroscope without rotational symmetry. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 568, 012018	0.4	
24	Structural and kinematic aspects of some bar mechanisms for deployable structures. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 591, 012077	0.4	2
23	A fractal approach of the sound absorption behaviour of materials. Theoretical and experimental aspects. <i>International Journal of Non-Linear Mechanics</i> , 2018 , 103, 128-137	2.8	4
22	Finding the coefficient of rolling friction using a pericycloidal pendulum. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 444, 022015	0.4	4

21	Modelling cyber-physical systems: some issues and directions. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 444, 042007	0.4	2
20	Importance of fuel injection system for low emissions, combustion noise and low fuel consumption. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 444, 042020	0.4	
19	Influence of ball-seat contact on the noise emissions from common-rail pump outlet valve opening. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 444, 042012	0.4	0
18	An overview on the applications of mechanisms in architecture. Part I: bar structures. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 444, 052018	0.4	
17	An Overview on the Applications of Mechanisms in Architecture. Part II: Foldable Plate Structures. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 444, 052019	0.4	2
16	Considerations on sound absorption coefficient of sustainable concrete with different waste replacements. <i>Journal of Cleaner Production</i> , 2018 , 203, 301-312	10.3	26
15	Experimental and theoretical considerations on sound absorption performance of waste materials including the effect of backing plates. <i>Applied Acoustics</i> , 2017 , 119, 88-93	3.1	45
14	Experimental investigation of noise characteristics for HVAC silencers. <i>MATEC Web of Conferences</i> , 2017 , 112, 07001	0.3	3
13	Some considerations on noise monitoring for air handling equipments. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 174, 012066	0.4	
12	Experimental study on HVAC sound parameters. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016 , 147, 012051	0.4	3
11	Experimental Investigation on Functional Parameters of the Engines Exhaust Mufflers. <i>Applied Mechanics and Materials</i> , 2016 , 822, 224-229	0.3	2
10	Algorithm and Method for the Functional Parameters Determination of Vehicles Engines Mufflers. <i>Applied Mechanics and Materials</i> , 2016 , 822, 213-218	0.3	
9	Preliminary analysis of turbochargers rotors dynamic behaviour. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016 , 147, 012055	0.4	
8	Experimental testing on free vibration behaviour for silicone rubbers proposed within lumbar disc prosthesis. <i>Materials Science and Engineering C</i> , 2014 , 42, 192-8	8.3	3
7	Optimization Design for Car Suspension Elastic Elements. <i>Applied Mechanics and Materials</i> , 2014 , 658, 23-28	0.3	
6	Bearing Scuffing Detection and Condition Monitoring Using Virtual Instrumentation. <i>Applied Mechanics and Materials</i> , 2014 , 657, 604-608	0.3	1
5	Experimental Determination of the Yield Stress for Copper, Cu _{99.75} . <i>Applied Mechanics and Materials</i> , 2014 , 659, 40-45	0.3	2
4	Study on the Defects Size of Ball Bearings Elements Using Vibration Analysis. <i>Applied Mechanics and Materials</i> , 2014 , 658, 289-294	0.3	1

3	Vibration Analysis Methods in Bearing Damage Detection. <i>Applied Mechanics and Materials</i> , 2013 , 371, 622-626	0.3	5
2	Study on the sealing defects impact on high pressure pump. <i>IOP Conference Series: Materials Science and Engineering</i> ,997, 012005	0.4	
1	Influence of tightening screws process in high-pressure injection pump. <i>IOP Conference Series: Materials Science and Engineering</i> ,997, 012004	0.4	