

Carmen Bujoreanu

List of Publications by Citations

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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 | 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 |
| 37 | 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 |
| 36 | Vibration Analysis Methods in Bearing Damage Detection. <i>Applied Mechanics and Materials</i> , 2013 , 371, 622-626 | 0.3 | 5 |
| 35 | 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 |
| 34 | 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 |
| 33 | Experimental investigation of noise characteristics for HVAC silencers. <i>MATEC Web of Conferences</i> , 2017 , 112, 07001 | 0.3 | 3 |
| 32 | Experimental study on HVAC sound parameters. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016 , 147, 012051 | 0.4 | 3 |
| 31 | 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 |
| 30 | Wear issues on high-pressure common rail pumps. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 724, 012021 | 0.4 | 3 |
| 29 | 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 |
| 28 | Experimental Investigation on Functional Parameters of the Engines Exhaust Mufflers. <i>Applied Mechanics and Materials</i> , 2016 , 822, 224-229 | 0.3 | 2 |
| 27 | Experimental Determination of the Yield Stress for Copper, Cu _{99.75} . <i>Applied Mechanics and Materials</i> , 2014 , 659, 40-45 | 0.3 | 2 |
| 26 | 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 |
| 25 | 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 |
| 24 | Modelling cyber-physical systems: some issues and directions. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 444, 042007 | 0.4 | 2 |
| 23 | 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 |
| 22 | Bearing Scuffing Detection and Condition Monitoring Using Virtual Instrumentation. <i>Applied Mechanics and Materials</i> , 2014 , 657, 604-608 | 0.3 | 1 |

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| 21 | 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 |
| 20 | Dynamic Evaluation of Traffic Noise through Standard and Multifractal Models. <i>Symmetry</i> , 2020 , 12, 1857-7 | | 1 |
| 19 | 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 |
| 18 | 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 |
| 17 | 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 |
| 16 | Some considerations on noise monitoring for air handling equipments. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 174, 012066 | 0.4 | |
| 15 | Algorithm and Method for the Functional Parameters Determination of Vehicles Engines Mufflers. <i>Applied Mechanics and Materials</i> , 2016 , 822, 213-218 | 0.3 | |
| 14 | Optimization Design for Car Suspension Elastic Elements. <i>Applied Mechanics and Materials</i> , 2014 , 658, 23-28 | 0.3 | |
| 13 | 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 | |
| 12 | Study on the sealing defects impact on high pressure pump. <i>IOP Conference Series: Materials Science and Engineering</i> , 997 , 012005 | 0.4 | |
| 11 | Influence of tightening screws process in high-pressure injection pump. <i>IOP Conference Series: Materials Science and Engineering</i> , 997 , 012004 | 0.4 | |
| 10 | Acoustic Performance of Some Lined Dissipative Silencers. <i>Lecture Notes in Mechanical Engineering</i> , 2022 , 302-311 | 0.4 | |
| 9 | Preliminary analysis of turbochargers rotors dynamic behaviour. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016 , 147, 012055 | 0.4 | |
| 8 | Experimental study of acoustic performances of reactive engine mufflers. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 564, 012077 | 0.4 | |
| 7 | 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 | |
| 6 | 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 | |
| 5 | 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 | |
| 4 | Fractures Analysis in High-Pressure Pumps 2021 , 67, 31-38 | | |

- 3 Experimental Investigation on Assembly Process for High Pressure Injection Pump Components
2021, 67, 9-16
- 2 Solutions for Reducing the Energy Consumed by the Automotive HVAC System **2021**, 67, 33-38
- 1 Noise Attenuation Analysis of a Multilayer Wall. *Lecture Notes in Mechanical Engineering*, **2023**, 47-57 0.4