

Martin VaÅ¡ina

List of Publications by Year in descending order

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46
papers

404
citations

840776

11
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all docs

48
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48
times ranked

335
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of filler particle shape on plastic-elastic mechanical behavior of high density poly(ethylene)/mica and poly(ethylene)/wollastonite composites. <i>Composites Part B: Engineering</i> , 2018, 141, 92-99.	12.0	50
2	Investigation of advanced mica powder nanocomposite filler materials: Surface energy analysis, powder rheology and sound absorption performance. <i>Composites Part B: Engineering</i> , 2015, 77, 304-310.	12.0	38
3	High density poly(ethylene)/CaCO ₃ hollow spheres composites for technical applications. <i>Composites Part B: Engineering</i> , 2017, 113, 218-224.	12.0	30
4	Study of the Sound Absorption Properties of 3D-Printed Open-Porous ABS Material Structures. <i>Polymers</i> , 2020, 12, 1062.	4.5	25
5	Hollow spheres as nanocomposite fillers for aerospace and automotive composite materials applications. <i>Composites Part B: Engineering</i> , 2016, 106, 74-80.	12.0	20
6	Mechanical Vibration Damping and Compression Properties of a Lattice Structure. <i>Materials</i> , 2021, 14, 1502.	2.9	20
7	Evaluation of various emulsifying salts addition on selected properties of processed cheese sauce with the use of mechanical vibration damping and rheological methods. <i>LWT - Food Science and Technology</i> , 2019, 107, 178-184.	5.2	16
8	Materials characterization of advanced fillers for composites engineering applications. <i>Nanotechnology Reviews</i> , 2019, 8, 503-512.	5.8	16
9	Study of Carbon Black Types in SBR Rubber: Mechanical and Vibration Damping Properties. <i>Materials</i> , 2020, 13, 2394.	2.9	15
10	Study of bread staling by means of vibro-acoustic, tensile and thermal analysis techniques. <i>Journal of Food Engineering</i> , 2016, 178, 31-38.	5.2	14
11	Effect of 3D-Printed PLA Structure on Sound Reflection Properties. <i>Polymers</i> , 2022, 14, 413.	4.5	14
12	Physical characterization of the milk chocolate using whey powder. <i>LWT - Food Science and Technology</i> , 2022, 154, 112669.	5.2	12
13	Effect of the Pore Shape and Size of 3D-Printed Open-Porous ABS Materials on Sound Absorption Performance. <i>Materials</i> , 2020, 13, 4474.	2.9	11
14	Intelligent high-tech coating of natural biopolymer layers. <i>Advances in Colloid and Interface Science</i> , 2022, 304, 102681.	14.7	11
15	Study of the material engineering properties of high-density poly(ethylene)/perlite nanocomposite materials. <i>Nanotechnology Reviews</i> , 2020, 9, 1491-1499.	5.8	10
16	The effect of furcellaran or λ -carrageenan addition on the textural, rheological and mechanical vibration damping properties of restructured chicken breast ham. <i>LWT - Food Science and Technology</i> , 2021, 138, 110623.	5.2	9
17	Study of Factors Affecting Vibration Damping Properties of Multilayer Composite Structures. <i>Manufacturing Technology</i> , 2020, 20, 104-109.	1.4	8
18	Structural Damping of Mechanical Vibration. <i>Manufacturing Technology</i> , 2016, 16, 1379-1382.	1.4	7

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19	Non-stationary flow of hydraulic oil in long pipe. EPJ Web of Conferences, 2014, 67, 02042.	0.3	6
20	Sound absorption study of raw and expanded particulate vermiculites. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	6
21	Parametric study of seismic response of cylindrical tank. AIP Conference Proceedings, 2019, , .	0.4	6
22	Determination of Undissolved Air Content in Oil by Means of a Compression Method. Strojniski Vestnik/Journal of Mechanical Engineering, 2015, 61, 477-485.	1.1	5
23	Relaxation of microparticles exposed to hydrodynamic forces in microfluidic conduits. Analytical and Bioanalytical Chemistry, 2011, 399, 1481-1491.	3.7	4
24	Measurement and evaluation of static characteristics of rotary hydraulic motor. EPJ Web of Conferences, 2014, 67, 02041.	0.3	4
25	Experimental investigation of cavitation in pump inlet. EPJ Web of Conferences, 2015, 92, 02081.	0.3	4
26	Simulation of dynamics of hydraulic system with proportional control valve. EPJ Web of Conferences, 2016, 114, 02008.	0.3	4
27	Application of a vibration damping technique in characterizing mechanical properties of chicken meat batters modified with amaranth. Journal of Food Measurement and Characterization, 2017, 11, 1987-1994.	3.2	4
28	Vibrodiagnostics as the tool of a tap wear monitoring. Procedia Structural Integrity, 2018, 13, 959-964.	0.8	4
29	A Study of Factors Influencing Sound Absorption Properties of Porous Materials. Manufacturing Technology, 2019, 19, 156-160.	1.4	4
30	Study of the Mechanical, Sound Absorption and Thermal Properties of Cellular Rubber Composites Filled with a Silica Nanofiller. Materials, 2021, 14, 7450.	2.9	4
31	On the Limits of High-Speed Microthermal Focusing Field-Flow Fractionation. International Journal of Polymer Analysis and Characterization, 2010, 15, 191-197.	1.9	3
32	A Study of Significant Factors Affecting Viscoelastic Damping Properties of Polymer Materials. Manufacturing Technology, 2018, 18, 523-529.	1.4	3
33	Dynamics of Linear Hydraulic Cylinder with Mass Load. Manufacturing Technology, 2017, 17, 296-302.	1.4	3
34	Effect of Conditioning on PU Foam Matrix Materials Properties. Materials, 2022, 15, 195.	2.9	3
35	Evaluation of Oil Viscosity Influence on Hydraulic Shock in Long Pipe. Applied Mechanics and Materials, 0, 630, 85-90.	0.2	1
36	Eigenfrequency of Hydraulic Systems of Loading Device. EPJ Web of Conferences, 2016, 114, 02131.	0.3	1

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37	Effect of Machined Surface Shape on Sound Reflection. Manufacturing Technology, 2016, 16, 830-834.	1.4	1
38	VALVE CONTROL OF DRIVE WITH ROTARY HYDRAULIC MOTOR. MM Science Journal, 2019, 2019, 2902-2909.	0.4	1
39	Advanced Materials Structures for Sound and Vibration Damping. Materials, 2022, 15, 1295.	2.9	1
40	Influence of Surface Shape and Perforation of Plastics on Sound Absorption. Applied Mechanics and Materials, 2014, 474, 393-398.	0.2	0
41	Dynamical behaviour of three-way throttle valve with pressure gradient stabilization. EPJ Web of Conferences, 2015, 92, 02104.	0.3	0
42	Effect of Oil Flow Velocity on Hydraulic Shock. Applied Mechanics and Materials, 2015, 752-753, 896-901.	0.2	0
43	Static and dynamic characteristics of proportional directional valve. EPJ Web of Conferences, 2019, 213, 02052.	0.3	0
44	Vibration damping study of multilayer structures. AIP Conference Proceedings, 2019, , .	0.4	0
45	Effect of rapeseed oil on the rheological, mechanical and thermal properties of plastic lubricants. Mechanics of Time-Dependent Materials, 2022, 26, 33-47.	4.4	0
46	REMOVING ADDITIVE NOISE IN MEASUREMENTS OF LOW SOUND PRESSURE LEVELS. MM Science Journal, 2020, 2020, 4015-4018.	0.4	0