

Silviu Nastac

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

160
citations

1307594

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1199594

12
g-index

30
all docs

30
docs citations

30
times ranked

102
citing authors

#	ARTICLE	IF	CITATIONS
1	Foam-formed cellulose composite materials with potential applications in sound insulation. Journal of Composite Materials, 2018, 52, 747-754.	2.4	24
2	Kane's Method-Based Simulation and Modeling Robots with Elastic Elements, Using Finite Element Method. Mathematics, 2020, 8, 805.	2.2	19
3	Overview on Foam Forming Cellulose Materials for Cushioning Packaging Applications. Polymers, 2022, 14, 1963.	4.5	19
4	Computational Investigations on Soundproof Applications of Foam-Formed Cellulose Materials. Polymers, 2019, 11, 1223.	4.5	16
5	Modal analysis of violin bodies with back plates made of different wood species. BioResources, 2020, 15, 7687-7713.	1.0	15
6	The Acoustic Performance of Expanded Perlite Composites Reinforced with Rapeseed Waste and Natural Polymers. Sustainability, 2022, 14, 103.	3.2	9
7	Researches on Damage Identification in Passive Vibro-Isolation Devices. Shock and Vibration, 2012, 19, 803-809.	0.6	7
8	Changing the vibrational behavior of the wooden thin arched plates – The maestro violins experimental study case. Thin-Walled Structures, 2022, 174, 109042.	5.3	7
9	Signature Modes of Old and New Violins with Symmetric Anatomical Wood Structure. Applied Sciences (Switzerland), 2021, 11, 11297.	2.5	6
10	Stochastic Approaches of Nonlinear Model-Based Simulations for Vibratory Compaction Process. Proceedings in Applied Mathematics and Mechanics, 2014, 14, 749-750.	0.2	5
11	Moisture-induced deformation in the neck of a classical guitar. Holzforschung, 2019, 73, 371-379.	1.9	5
12	Hysteretically Symmetrical Evolution of Elastomers-Based Vibration Isolators within $\hat{\pm}$ -Fractional Nonlinear Computational Dynamics. Symmetry, 2019, 11, 924.	2.2	4
13	Prediction of the Damage Effect on Fiberglass-Reinforced Polymer Matrix Composites for Wind Turbine Blades. Polymers, 2022, 14, 1471.	4.5	4
14	Computational analysis of nonlinearities within dynamics of cable-based driving systems. IOP Conference Series: Materials Science and Engineering, 2017, 227, 012007.	0.6	3
15	Dynamic Analysis of the Musical Triangles – Experimental and Numerical Approaches. Applied Sciences (Switzerland), 2022, 12, 6275.	2.5	3
16	On Shape and Material Nonlinearities Influences about the Internal Thermal Dissipation for Elastomer-Based Vibration Isolators. Proceedings in Applied Mathematics and Mechanics, 2014, 14, 751-752.	0.2	2
17	Experimental Investigations Regarding the Structural Damage Monitoring of Strands Wire Rope within Mechanical Systems. Materials, 2020, 13, 3439.	2.9	2
18	Mechanical and Surface Properties of Lignocellulosic Fibres Reinforced Composites. Strojnikski Vestnik/Journal of Mechanical Engineering, 0, , .	1.1	2

#	ARTICLE	IF	CITATIONS
19	Estimations on Thermo-mechanical Dynamics of Vibration Elastomeric Isolators. Proceedings in Applied Mathematics and Mechanics, 2012, 12, 603-604.	0.2	1
20	On Non-linear Characteristics Evaluation of Vibratory Tool and Terrain Interaction for Embankment Works. Proceedings in Applied Mathematics and Mechanics, 2012, 12, 605-606.	0.2	1
21	Numerical and Experimental Testing of Normality in the Functioning of the Bearings System. Shock and Vibration, 2012, 19, 915-928.	0.6	1
22	Dynamic Diagnosis of Elastic Coupling Transmissions of Technological Equipments Based on Joint Time-Frequency Evaluations. Applied Mechanics and Materials, 2014, 657, 465-469.	0.2	1
23	Computational Dynamics of the Rotational Heavy Loads Mastered by Hydrostatical Driving Systems. Procedia Engineering, 2017, 181, 509-517.	1.2	1
24	On Path Oscillations Analysis of Mechanical Multi-body and Hydrostatical Driving Units Coupled System. Procedia Engineering, 2017, 181, 518-525.	1.2	1
25	On Dynamics of a Dual Vibration Insulation Device Based on Elastomeric Kernel and Rolling Friction Dissipation. Springer Proceedings in Physics, 2018, , 397-403.	0.2	1
26	On Vibration Joint Time-Frequency Investigations of CNC Milling Machines for Tool Trajectory Task Conformity Estimation. Shock and Vibration, 2018, 2018, 1-9.	0.6	1
27	Functional Assessments of Dynamics of the Vibratory-Driven Equipments with Belt Transmissions. Applied Mechanics and Materials, 2014, 657, 460-464.	0.2	0
28	On Dynamic Characteristic of Damaged Elastomeric Vibration Isolators. Applied Mechanics and Materials, 0, 801, 159-164.	0.2	0
29	Transitory Dynamics Evaluation inside Driving System of Demolition-Cutting Technological Equipment due to Variable Tool-Material Interactions. Applied Mechanics and Materials, 2015, 811, 50-56.	0.2	0
30	Assessments on Operational Modal Identification Refining of a Structural Element. Springer Proceedings in Physics, 2018, , 323-329.	0.2	0