Chebanenko Va

List of Publications by Citations

21 papers	70 citations	4 h-index	8 g-index
26 ext. papers	79 ext. citations	0.8 avg, IF	2.37 L-index

#	Paper	IF	Citations
21	Mathematical and laboratory modeling of resonant impact on the spike for the purpose of grain selection. *E3S Web of Conferences*, **2020**, 210, 05017	0.5	24
20	Finite Element Modeling and Experimental Studies of Stack-Type Piezoelectric Energy Harvester. *International Journal of Applied Mechanics*, **2017**, 09, 1750084	2.4	10
19	On the Directivity of Lamb Waves Generated by Wedge PZT Actuator in Thin CFRP Panel. *Materials*, **2020**, 13,	3.5	5
18	Piezoelectric Based Lamb Waves Generation and Propagation in Orthotropic CFRP Plates: II. Influence of Interfacial Stress Distribution. *Materials Science Forum*, **2019**, 962, 227-235	0.4	4
17	Numerical optimization of the piezoelectric generators. *Journal of Advanced Dielectrics*, **2020**, 10, 2060016,	4
16	Optimization of the Electric Power Harvesting System Based on the Piezoelectric Stack Transducer. *Springer Proceedings in Physics*, **2016**, 639-650	0.2	4
15	Piezoelectric Based Lamb Waves Generation and Propagation in Orthotropic CFRP Plates: I. Influence of Material Damping. *Materials Science Forum*, **2019**, 962, 218-226	0.4	4
14	Applied theory of bending vibration of the piezoelectric and piezomagnetic bimorph. *Journal of Advanced Dielectrics*, **2020**, 10, 2050007	1.3	3
13	Study of the Output Characteristics of Ferroelectric Ceramic Beam Made from Non-polarized Ceramics PZT-19: Experiment and Modeling. *Springer Proceedings in Physics*, **2017**, 485-499	0.2	3
12	Mathematical Modelling of Piezoelectric Generators on the Base of the Kantorovich Method. *Advanced Structured Materials*, **2018**, 227-258	0.6	3
11	On the Directivity of Acoustic Waves Generated by the Angle Beam Wedge Actuator in Thin-Walled Structures. *Actuators*, **2019**, 8, 64	2.4	2
10	Studies of the unipolarity arising in the non-poled ferroelectric ceramics with electrodes from different metals on the opposite sides. *Ferroelectrics*, **2018**, 525, 187-191	0.6	1
9	Electric Response to Bending Vibrations and Pyroelectric Effect in Unpolarized Ferroelectric Ceramic Plates with Electrodes, Differing in the Magnitude of the Coefficient of Thermal Expansion on Opposite Surfaces. *Springer Proceedings in Physics*, **2018**, 161-169	0.2	1
8	Propagation Behaviour of Acoustic Waves Excited by a Circular PZT-Actuator in Thin CFRP Plate with an Orthotropic Symmetry. *Springer Proceedings in Physics*, **2019**, 557-592	0.2	1
7	Possibilities of the practical use of a stationary strain gradient in the interelectrode volume of unpolarized ferroceramic plates. *Journal of Advanced Dielectrics*, **2020**, 10, 2060010	1.3	1
6	Assessment of Interacting Volumetric Surface Defects. *Engineering Materials*, **2018**, 153-165	0.4	
5	Assessment of the Reinforcement Capacity of Composite Repair Systems for Pipelines with Interacting Defects. *Engineering Materials*, **2018**, 321-338	0.4	

List of Publications

4	Properties of Unipolarity Arising in an Unpolarized Ferroelectric Plate After Creating a Stationary Strain Gradient in the Interelectrode Space. *Springer Proceedings in Physics*, **2019**, 239-249	0.2
3	Applied Theory of Bending Vibration of Magnetoelectroelastic Bimorph. *Lecture Notes in Mechanical Engineering*, **2021**, 337-342	0.4
2	Investigation of the Output Parameters of a Cantilever PEG with Two Piezoelectric Elements at Vibration Excitation by Rotating Drive. *Lecture Notes in Mechanical Engineering*, **2021**, 705-709	0.4
1	Vibration analysis of a composite magnetoelectroelastic bimorph depending on the volume fractions of its components based on applied theory. *Advanced Engineering Research*, **2022**, 22, 4-13	0.3