

# Nataliia Iurlova

## List of Publications by Year in descending order

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Version: 2024-02-01

10  
papers

36  
citations

2258059

3  
h-index

1872680

6  
g-index

11  
all docs

11  
docs citations

11  
times ranked

14  
citing authors

#	ARTICLE	IF	CITATIONS
1	Algorithm for solving problems related to the natural vibrations of electro-viscoelastic structures with shunt circuits using ANSYS data. <i>International Journal of Smart and Nano Materials</i> , 2019, 10, 156-176.	4.2	20
2	Justification of equivalent substitution circuits used to optimize the dissipative properties of electroelastic bodies with external electric circuits. <i>Mechanics of Solids</i> , 2016, 51, 273-283.	0.7	4
3	Algorithm for the layout of a piezoelectric element in an elastic medium providing the maximal piezoelectric effect within a specified frequency range. <i>International Journal of Smart and Nano Materials</i> , 2019, 10, 268-284.	4.2	3
4	LAYOUT OPTIMIZATION OF PIEZOELECTRIC ELEMENTS WITH EXTERNAL ELECTRIC CIRCUITS IN SMART CONSTRUCTIONS BASED ON SOLUTION OF THE NATURAL VIBRATIONS PROBLEM. , 2016, , .		2
5	Possibility of tuning shunt circuits for multimodal damping of vibrations of structure with piezoelectric element. <i>Frattura Ed Integrita Strutturale</i> , 2019, 13, 800-813.	0.9	2
6	Analysis of dissipative properties of electro-viscoelastic bodies with shunting circuits on the basis of numerical modelling of natural vibrations. <i>Acta Mechanica</i> , 2023, 234, 261-276.	2.1	2
7	Modelling of vibrational processes in systems with piezoelements and external electric circuits on the basis of their electrical analogue. <i>Journal of Intelligent Material Systems and Structures</i> , 2018, 29, 3254-3265.	2.5	1
8	Analysis of changes in the shape of electroelastic bodies under electric potential applied to piezoelectric elements. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	1
9	Development of an electrical analogue for modeling natural vibrations of a viscoelastic structure with piezoelectric element. <i>Journal of Intelligent Material Systems and Structures</i> , 2021, 32, 369-384.	2.5	1
10	Possibility of multimodal vibration damping using a single piezoelectric element shunted with an RL-circuit. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	0