

Vladimir Dudarev

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8319813/publications.pdf>

Version: 2024-02-01

20
papers

131
citations

1307594

7
h-index

1372567

10
g-index

20
all docs

20
docs citations

20
times ranked

25
citing authors

#	ARTICLE	IF	CITATIONS
1	Some aspects of modeling and identification of inhomogeneous residual stress. Engineering Structures, 2017, 151, 391-405.	5.3	19
2	On restoring of the prestressed state in elastic bodies. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2011, 91, 485-492.	1.6	15
3	Nondestructive Identification of Inhomogeneous Residual Stress State in Deformable Bodies on the Basis of the Acoustic Sounding Method. Advanced Materials Research, 0, 996, 409-414.	0.3	12
4	Determination of the prestressed state in a tube. Doklady Physics, 2014, 59, 241-243.	0.7	9
5	Detection of nonuniform residual strain in a pipe. International Journal of Solids and Structures, 2018, 139-140, 121-128.	2.7	9
6	Identification of Inhomogeneous Residual Stress State in Elastic Cylinder within the Framework of Plane Strain. Advanced Materials Research, 0, 996, 404-408.	0.3	8
7	Vibration of a prestressed tube in the presence of plastic zone. Journal of Sound and Vibration, 2016, 375, 92-101.	3.9	8
8	Concerning an approach to identifying the Lamé parameters of an elastic functionally graded cylinder. Mathematical Methods in the Applied Sciences, 2020, 43, 6861-6870.	2.3	8
9	Influence of the residual elastic-plastic state of a tube on the dynamic characteristics. Doklady Physics, 2015, 60, 377-379.	0.7	7
10	Vibrations of inhomogeneous piezoelectric bodies in conditions of residual stress-strain state. Applied Mathematical Modelling, 2018, 63, 219-242.	4.2	6
11	On the determination of the internal pressure in a cylinder based on acoustic testing data. Russian Journal of Nondestructive Testing, 2014, 50, 595-601.	0.9	5
12	Determination of the Inhomogeneous Preliminary Stress-Strain State in a Piezoelectric Disk. Journal of Applied Mechanics and Technical Physics, 2018, 59, 542-550.	0.5	4
13	Identification of the Lamé parameters of an inhomogeneous pipe based on the displacement field data. European Journal of Mechanics, A/Solids, 2020, 81, 103939.	3.7	4
14	Effect of material inhomogeneity on characteristics of a functionally graded hollow cylinder. Applied Mathematics and Computation, 2020, 382, 125333.	2.2	4
15	Identification of characteristics of a functionally graded isotropic cylinder. International Journal of Mechanics and Materials in Design, 2021, 17, 321-332.	3.0	4
16	On Some Problems of Reconstruction of Inhomogeneous Pre-Stressed State in Elastic Solids. Izvestiya of Saratov University New Series Series: Mathematics Mechanics Informatics, 2009, 9, 25-32.	0.3	3
17	On modeling and method of nondestructive reconstruction of residual stress-strain state in a rod. AIP Conference Proceedings, 2016, , .	0.4	2
18	On the determination of the Biot modulus of poroelastic cylinder. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2019, 99, e201800137.	1.6	2

#	ARTICLE	IF	CITATIONS
19	A study of vibrations of a cylinder with a viscoelastic coating. Computational Continuum Mechanics, 2021, 14, 312-321.	0.5	2
20	Electroelastic waveguide: Analysis of the effect of prestresses. Mechanics Research Communications, 2021, 115, 103735.	1.8	0