Alexandr Trapezon

List of Publications by Year
in descending order

28 papers	59 citations	1684188 5 h-index	1720034 7 g-index
28 all docs	28 docs citations	28 times ranked	20 citing authors

#	Article	IF	Citations
1	Effect of vacuum deposited coatings on the fatigue strength of commercial-grade titanium. Strength of Materials, 1995, 27, 659-664.	0.5	8
2	Methodological problems in the investigation of thin hardening films. Strength of Materials, 2007, 39, 178-188.	0.5	7
3	Fatigue Strength of Metals with Hardening Coatings (Review). Strength of Materials, 2013, 45, 284-294.	0.5	7
4	A method of fatigue testing of thin-sheet materials in plane bending at high loading frequencies. Strength of Materials, 1977, 9, 283-287.	0.5	6
5	Effect of the deposition and thickness parameters of titanium nitride (TiN) coatings on the fatigue strength. Strength of Materials, 2010, 42, 675-682.	0.5	6
6	To the method of accelerated evaluation of fatigue of metals with hardening coatings. Strength of Materials, 2009, 41, 174-182.	0.5	5
7	Fatigue of VT20 titanium alloy with vacuum-plasma coatings at high temperatures. Strength of Materials, 2009, 41, 417-422.	0.5	5
8	Determination of the fatigue strength of materials under plane stress state conditions. Strength of Materials, 1975, 7, 393-397.	0.5	4
9	Longitudinal vibrations of a rod with a coating. Strength of Materials, 1994, 26, 766-771.	0.5	3
10	Natural vibrations and the stress state of a beam with thickness varying according to an e?x2 rule. Strength of Materials, 1980, 12, 98-103.	0.5	2
11	Structure and physicomechanical properties of high-porosity copper of different origin. Soviet Powder Metallurgy and Metal Ceramics (English Translation of Poroshkovaya Metallurgiya), 1989, 28, 957-961.	0.1	2
12	Stressed and strained state of disk supported at a point and subjected to transverse vibrations. Strength of Materials, 1977, 9, 907-911.	0.5	1
13	Analysis of the stress state of stepped specimens used in bending fatigue tests. Strength of Materials, 1980, 12, 1509-1515.	0.5	1
14	Method of resonance fatigue tests in bending specimens with a constant cross section. Strength of Materials, 1987, 19, 185-190.	0.5	1
15	Bending oscillations of a beam tapering in accordance with a fourth-order parabola. Strength of Materials, 1980, 12, 1179-1183.	0.5	1
16	Frequencies and oscillation modes of a free-contour plate with point fixing. Strength of Materials, 1976, 8, 978-984.	0.5	0
17	Solution of the problem of the transverse oscillations of a tapered beam. Strength of Materials, 1981, 13, 256-261.	0.5	0
18	Young's modulus of iron and copper base microlayer condensates. Strength of Materials, 1984, 16, 980-984.	0.5	0

#	Article	IF	Citations
19	Determination of Young's modulus of materials on plate bar specimens taking into account their curvature and wedge shape. Strength of Materials, 1985, 17, 267-273.	0.5	0
20	Method and several examples of constructing new closed solutions in the problem of rod stability. Strength of Materials, 1993, 25, 387-394.	0.5	0
21	Transformation and its properties in the problem of rod vibrations. Strength of Materials, 1993, 25, 761-767.	0.5	0
22	Group Approaches to the Vibration and Static Deformation Analysis for Bars and Disks. Strength of Materials, 2001, 33, 380-391.	0.5	0
23	Fatigue of VT1-0 Titanium Alloy with Vacuum-Plasma Coating Under a Plane Stress State. Strength of Materials, 2016, 48, 270-278.	0.5	0
24	Residual Stress Effect on the Strength Estimate of Base-Coating Systems. Strength of Materials, 2019, 51, 761-769.	0.5	0
25	Analytical study of the natural bending oscillations of a concave beam with parabolic change in thickness. Eastern-European Journal of Enterprise Technologies, 2021, 3, 15-23.	0.5	0
26	Construction of an algorithm to analytically solve a problem on the free vibrations of a composite plate of variable thickness. Eastern-European Journal of Enterprise Technologies, 2020, 1, 26-33.	0.5	0
27	Analysis of free oscillations of round thin plates of variable thickness with a point support. Eastern-European Journal of Enterprise Technologies, 2020, 3, 6-12.	0.5	0
28	NATURAL BENDING VIBRATIONS OF THE BEAM WITH THE SPECIAL LAW OF CHANGE OF WIDTH. Transactions of Kremenchuk Mykhailo Ostrohradskyi National University, 2021, , 116-123.	0.1	0