Dmitry Dv Tarlakovskii

List of Publications by Year
in descending order

55 papers	253 citations	1040056 9 h-index	1125743 13 g-index
60 all docs	60 docs citations	60 times ranked	59 citing authors

#	Article	IF	Citations
1	Two-dimensional nonstationary contact of elastic cylindrical or spherical shells. Journal of Machinery Manufacture and Reliability, 2014, 43, 145-152.	0.5	22
2	Mechanics of fiber composites: Forms of loss of stability and fracture of test specimens resulting from three‐point bending tests. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2019, 99, e201800063.	1.6	21
3	Nonstationary 3D motion of an elastic spherical shell. Mechanics of Solids, 2015, 50, 208-217.	0.7	17
4	An elastic half-space under the action of one-dimensional time-dependent diffusion perturbations. Lobachevskii Journal of Mathematics, 2015, 36, 503-509.	0.9	16
5	Two-dimensional nonstationary problem of elastic diffusion for an isotropic one-component layer. Journal of Applied Mechanics and Technical Physics, 2015, 56, 1023-1030.	0.5	15
6	A two-dimensional nonstationary problem of elastic diffusion for an orthotropic one-component layer. Lobachevskii Journal of Mathematics, 2017, 38, 808-817.	0.9	13
7	Vibrations of circular sandwich plates connected with an elastic foundation. Russian Aeronautics, 2009, 52, 151-157.	0.2	12
8	Propagation of unsteady waves in an elastic layer. Mechanics of Solids, 2011, 46, 779-787.	0.7	11
9	Thermoelastic Deformation of a Circular Sandwich Plate by Local Loads. Mechanics of Composite Materials, 2018, 54, 299-312.	1.4	10
10	Approximate Solution of a Three-Dimensional Problem of Elastic Diffusion in an Orthotropic Layer. Journal of Mathematical Sciences, 2014, 203, 221-238.	0.4	7
11	Unsteady axisymmetric deformation of an elastic thick-walled sphere under the action of volume forces. Journal of Applied Mechanics and Technical Physics, 2015, 56, 984-994.	0.5	7
12	Free and forced bending vibrations of a thin plate in a perfect compressible fluid with energy dissipation taken into account. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2020, 100, e201900102.	1.6	7
13	Deformation of a Step Composite Beam in a Temperature Field. Journal of Engineering Physics and Thermophysics, 2015, 88, 1023-1029.	0.6	6
14	Thermal-Force Deformation of a Physically Nonlinear Three-Layer Stepped Rod. Journal of Engineering Physics and Thermophysics, 2016, 89, 1582-1590.	0.6	6
15	Propagation of one-dimensional non-stationary waves in viscoelastic half space. Lobachevskii Journal of Mathematics, 2017, 38, 827-832.	0.9	6
16	Elastic Half Plane Under the Action of Nonstationary Surface Kinematic Perturbations. Journal of Mathematical Sciences, 2014, 203, 202-214.	0.4	5
17	Unsteady axisymmetric deformation of an elastic space with a spherical cavity under the action of body forces. Moscow University Mechanics Bulletin, 2016, 71, 87-92.	0.3	5
18	An Elastodiffusive Orthotropic Euler‐Bernoulli Beam Considering Diffusion Flux Relaxation. Mathematical and Computational Applications, 2019, 24, 23.	1.3	5

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19	SURFACE GREEN'S FUNCTION IN NON-STATIONARY PROBLEMSOF THERMOMECHANICAL DIFFUSION. Problems of Strength and Plasticity, 2017, 79, 38-47.	0.2	5
20	Transient Contact Problem for Liquid Filled Concentric Spherical Shells and a Rigid Barrier. Structural Integrity, 2019, , 389-391.	1.4	4
21	Transient Spatial Motion of Cylindrical Shell Under Influence of Non-stationary Pressure. Structural Integrity, 2019, , 264-269.	1.4	4
22	Unsteady elastic diffusion bending model for a Timoshenko beam on a Winkler foundation: unsteady elastic diffusion bending model for a Timoshenko beam on a Winkler foundation. Archive of Applied Mechanics, 2022, 92, 1355-1366.	2.2	4
23	Electrodynamic Relations, Energy and Force Factors of the Actions of Electromagnetic Fields for Magnetic Media. Materials Science, 2015, 50, 545-554.	0.9	3
24	Investigation of Different Versions of Formulation of the Problem of Soundproofing of Rectangular Plates Surrounded with Acoustic Media. Journal of Mathematical Sciences, 2017, 220, 59-81.	0.4	3
25	Unsteady vibration model of the euler-bernoulli beam taking into account diffusion. Journal of Physics: Conference Series, 2019, 1158, 042043.	0.4	3
26	Stresses in Viscoelastic Half Space at Given on the Boundary Non-stationary Normal Displacement. Lobachevskii Journal of Mathematics, 2019, 40, 335-340.	0.9	3
27	The Model of Thin Electromagnetoelastic Shells Dynamics. Structural Integrity, 2019, , 254-258.	1.4	3
28	Unsteady Elastic–Diffusion Vibrations of a Simply Supported Euler–Bernoulli Beam Under the Distributed Transverse Load. Advanced Structured Materials, 2021, , 487-499.	0.5	3
29	The propagation of time-dependent radial perturbations from a spherical cavity in an electromagnetoelastic space. Doklady Physics, 2010, 55, 468-470.	0.7	2
30	Propagation of unsteady bulk perturbations in an elastic half-plane. Mechanics of Solids, 2011, 46, 266-274.	0.7	2
31	Polar-symmetric problem of elastic diffusion for isotropic multi-component plane. IOP Conference Series: Materials Science and Engineering, 2016, 158, 012101.	0.6	2
32	Non-stationary Contact Problems for Thin Shells and Solids. Structural Integrity, 2020, , 287-292.	1.4	2
33	Impact of Transient Pressure on a Half-Space with Membrane Type Coating. Structural Integrity, 2020, , 312-315.	1.4	2
34	A NONSTATIONARY DYNAMIC PROBLEM ON THE EFFECTS OF SURFACE LOADS ON A HALF-SPACE WITH A NANOSIZED STRUCTURE WITHIN THE FRAMEWORK OF THE COSSERAT MEDIUM MODEL. International Journal of Nanomechanics Science and Technology, 2016, 7, 61-75.	0.5	2
35	NON-STATIONARY PROBLEMS FOR ELASTIC HALF-PLANE WITH MOVING POINT OF CHANGING BOUNDARY CONDITIONS. PNRPU Mechanics Bulletin, 2016, 3, 188-206.	0.4	2
36	Analysis of Vibration Insulation Properties of a Plate in an Elastic Medium Under the Influence of Different Types of Waves. Structural Integrity, 2019, , 298-303.	1.4	2

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37	The Unsteady Contact Interaction Problem of an Absolutely Rigid Body and a Membrane. Structural Integrity, 2019, , 289-293.	1.4	2
38	Dynamic Bending of an Infinite Electromagnetoelastic Rod. Izvestiya of Saratov University New Series Series: Mathematics Mechanics Informatics, 2020, 20, 493-501.	0.3	2
39	Bulk Green's Functions in Two-dimensional Coupled Unsteady Problems of Elastic Diffusion for Orthotropic Continuum. Lobachevskii Journal of Mathematics, 2019, 40, 375-383.	0.9	1
40	Modelling of rectangular Kirchhoff plate oscillations under unsteady elastodiffusive perturbations. Acta Mechanica, 2021, 232, 1785.	2.1	1
41	Non‐stationary bending of a finite electromagnetoelastic rod. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2021, 101, e202000316.	1.6	1
42	Stationary Dynamic Acoustoelasticity Problems of a Thin Plate in a Perfect Compressible Fluid, Taking into Account the Dissipation of Energy in the Plate and Liquid. Structural Integrity, 2019, , 364-369.	1.4	1
43	Propagation of Non-stationary Axisymmetric Perturbations from a Spherical Cavity in Cosserat Medium. Advanced Structured Materials, 2020, , 273-292.	0.5	1
44	One-dimensional problem of piezoelectric electromagnetic diffusion for a layer. Journal of Physics: Conference Series, 2018, 1129, 012040.	0.4	0
45	Nonstationary Axisymmetric Motion of an Elastic Momentum Half-Space Under Nonstationary Normal Surface Displacements. Lobachevskii Journal of Mathematics, 2018, 39, 1484-1494.	0.9	0
46	Analytical Solution of Non-stationary Waves Propagation in Viscoelastic Layer Problem. Lobachevskii Journal of Mathematics, 2019, 40, 2084-2089.	0.9	0
47	Unsteady Elastic Diffusion Vibrations of an Orthotropic Rectangular Kirchhoff–Love Plate Considering a Diffusion Fluxes Relaxation. Lobachevskii Journal of Mathematics, 2021, 42, 2064-2075.	0.9	0
48	Axisymmetric Problem Lemba for the Cosserat Medium. Izvestiya of Saratov University New Series Series: Mathematics Mechanics Informatics, 2018, 18, 496-506.	0.3	0
49	Analytical Solutions of Some Nonstationary Contact Problems with Moving Boundaries. Structural Integrity, 2019, , 383-384.	1.4	0
50	Influence of Viscoelasticity Properties on Propagation of Two-Dimensional Non-stationary Waves in a Half-Plane. Structural Integrity, 2019, , 385-386.	1.4	0
51	Determination of Vibrations at Different Points in the Ground After the Passage of a Spherical Wave Through a Vibration-Absorbing Obstacle. Structural Integrity, 2019, , 365-370.	1.4	0
52	Propagation of the Coupled Waves in the Electromagnetoelastic Thick-Walled Sphere. Structural Integrity, 2019, , 407-408.	1.4	0
53	Features of Subsonic Stage of Contact Interaction of Viscoelastic Half-Plane and Absolutely Rigid Striker. Structural Integrity, 2019, , 283-288.	1.4	0
54	Unsteady Electromagnetic Elasticity of Piezoelectrics Considering Diffusion. Izvestiya of Saratov University New Series Series: Mathematics Mechanics Informatics, 2020, 20, 193-204.	0.3	0

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55	Unsteady bending of the orthotropic cantilever Bernoulli–Euler beam with the relaxation of diffusion fluxes. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 0, , .	1.6	0