Alexander Ai Gulyar

List of Publications by Year
in descending order

28 papers	56 citations	1937685 4 h-index	1720034 7 g-index
28 all docs	28 docs citations	28 times ranked	17 citing authors

#	Article	IF	Citations
1	Ð"ÐžÐ¡Ð›Ð†Ð"Ð—Ð•ÐÐ¯ ÐÐ•Ð›Ð†ÐÐ†Ð™ÐÐžÐ"Ðž Ð"Ð•Ð¤ÐžÐ ÐœÐ£Ð'ÐÐÐ¯ Ð¡ÐŸÐ›Ð'Ð•ÐÐ˜Ð¥ ÐžÐ'Ð'ÐžÐ»ÐžÐœÐžÐš ÐžÐ'Ð•ÐÐ¢		
2	Numerical Simulation of Dynamic Processes of Elastoplastic Interaction Between Three-Dimensional Heterogeneous Bodies on the Basis of Semi-Analytical Finite Element Method. Part 2. A Study of the Dynamic Deformation of Complex-Shaped Three-Dimensional Structures. Strength of Materials, 2014, 46, 80-87.	0.5	0
3	Design life assessment of the blade root of a gas turbine unit under thermomechanical loading. Strength of Materials, 2013, 45, 329-339.	0.5	6
4	Numerical Simulation of Dynamic Processes of Elastoplastic Interaction between Three-Dimensional Heterogeneous Bodies on the basis of Semi-Analytical Finite Element Method. Part 1. Computational Relationships of the Semi-Analytical Finite Element Method and Algorithms for the Study of Transient Processes of Dynamic Deformation of Heterogeneous Prismatic Bodies and Bodies of Revolution. Strength of Materials, 2013, 45, 523-533.	0.5	1
5	Solving linear and nonlinear three-dimensional problems of fracture mechanics by a semi-analytic finite element method. Part 1. Theoretical background and a study of efficiency of fem procedure for solving three-dimensional problems of fracture mechanics. Strength of Materials, 2011, 43, 15.	0.5	5
6	Solving linear and nonlinear three-dimensional problems of fracture mechanics by a semi-analytic finite element method. Part 2. A procedure for computing the invariant J-integral in fem discrete models. Strength of Materials, 2011, 43, 122-133.	0.5	5
7	Solving problems of thermoviscoelastoplastic and continuous fracture of prismatic bodies. International Applied Mechanics, 2009, 45, 1331-1343.	0.6	1
8	Gas turbine blade service life assessment with account of fracture stage. Strength of Materials, 2008, 40, 518-524.	0.5	3
9	Method to evaluate the invariant J-integral in finite-element models of prismatic bodies. International Applied Mechanics, 2008, 44, 1378-1388.	0.6	2
10	Life assessment for a gas turbine blade under creep conditions based on continuum fracture mechanics. Strength of Materials, 2006, 38, 392-397.	0.5	4
11	Modeling Creep and Continuous Fracture Process Zones in Spatial Prismatic Bodies. International Applied Mechanics, 2005, 41, 1016-1030.	0.6	3
12	Semianalytic Finite-Element Method in Problems of Nonlinear Continuum Mechanics. International Applied Mechanics, 2003, 39, 402-437.	0.6	14
13	Title is missing!. Strength of Materials, 2003, 35, 45-51.	0.5	0
14	Title is missing!. Strength of Materials, 2002, 34, 425-433.	0.5	2
15	Title is missing!. Strength of Materials, 2002, 34, 536-540.	0.5	2
16	computer simulation of the processes of mechanical shaping of three-dimensional shells under the conditions of creep. Part 2. Strength of Materials, 1997, 29, 495-502.	0.5	0
17	Computer simulation of the processes of mechanical shaping of three-dimensional shells under the conditions of creep. Part 1. Strength of Materials, 1997, 29, 357-361.	0.5	0
18	The semianalytical method of finite elements as applied to three-dimensional thermoelastoplastic prismatic bodies. Report 1. Theoretical foundations. Strength of Materials, 1992, 24, 738-744.	0.5	0

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19	The semianalytical finite element method as applied to three-dimensional thermoelastoplastic prismatic bodies. Report 2. Practical applications. Strength of Materials, 1992, 24, 745-748.	0.5	0
20	State of stress and strain of cyclosymmetric spatial structures. Strength of Materials, 1990, 22, 861-865.	0.5	0
21	Failure of axisymmetric bodies with initial crack under plane strain. Strength of Materials, 1990, 22, 960-965.	0.5	0
22	Examination of spatial temperature fields in large and thin-walled bodies of revolution. Strength of Materials, 1988, 20, 642-648.	0.5	0
23	Numerical solution of problems of the thermoelastic equilibrium of nonsymmetrically loaded solids of revolution. Soviet Applied Mechanics, 1986, 22, 501-506.	0.0	0
24	Application of the semianalytical finite element method to solving spatial problems of fracture mechanics of axisymmetric bodies. Strength of Materials, 1986, 18, 959-963.	0.5	1
25	Analysis of the state of stress and strain of solids of revolution with cutouts breaching axial symmetry. Strength of Materials, 1986, 18, 786-790.	0.5	5
26	Use of the finite-element method to evaluate the stress state and fracture conditions of structures of brittle materials loaded with external pressure. Strength of Materials, 1983, 15, 454-459.	0.5	1
27	Study of the stress-strain state of the ribbed shell of revolution under external pressure. Strength of Materials, 1979, 11, 456-460.	0.5	1
28	Investigation of stability of axisymmetric shells in the case of large displacements, with physical nonlinearity taken into account. Strength of Materials, 1974, 6, 695-700.	0.5	0