

Mikhail A Tashkinov

List of Publications by Year in descending order

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32
papers

97
citations

1478505

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1474206

9
g-index

33
all docs

33
docs citations

33
times ranked

44
citing authors

#	ARTICLE	IF	CITATIONS
1	Repair of damage in aircraft composite sound-absorbing panels. <i>Composite Structures</i> , 2015, 120, 153-166.	5.8	11
2	Multipoint stochastic approach to localization of microscale elastic behavior of random heterogeneous media. <i>Computers and Structures</i> , 2021, 249, 106474.	4.4	11
3	Method of successive approximations in stochastic elastic boundary value problem for structurally heterogeneous materials. <i>Computational Materials Science</i> , 2012, 52, 101-106.	3.0	10
4	Statistical characteristics of structural stochastic stress and strain fields in polydisperse heterogeneous solid media. <i>Computational Materials Science</i> , 2014, 94, 44-50.	3.0	10
5	Micro-scale modeling of phase-level elastic fields of SiC reinforced metal matrix multiphase composites using statistical approach. <i>Computational Materials Science</i> , 2016, 116, 113-121.	3.0	7
6	Modelling of fracture processes in laminate composite plates with embedded delamination. <i>Frattura Ed Integrita Strutturale</i> , 2017, 11, 248-262.	0.9	7
7	Statistical methods for mechanical characterization of randomly reinforced media. <i>Mechanics of Advanced Materials and Modern Processes</i> , 2017, 3, .	2.2	6
8	Methods of Stochastic Mechanics for Characterization of Deformation in Randomly Reinforced Composite Materials. <i>Engineering Materials</i> , 2015, , 43-78.	0.6	6
9	Modeling of Deformation Behavior of Gyroid and I-WP Polymer Lattice Structures with a Porosity Gradient. <i>Procedia Structural Integrity</i> , 2021, 32, 253-260.	0.8	4
10	Modeling of the Effect of Microscale Morphological Parameters on the Deformation Behavior of Porous Materials with a Metal Matrix. <i>Physical Mesomechanics</i> , 2021, 24, 618-624.	1.9	3
11	Failure behaviour of human trabecular bone. <i>Procedia Structural Integrity</i> , 2022, 37, 257-262.	0.8	3
12	Numerical simulation of deformation behavior of additively manufactured polymer lattice structures with a porosity gradient. <i>Procedia Structural Integrity</i> , 2022, 37, 692-697.	0.8	3
13	Method of assessment of mechanical characteristics of quasi-isotropic composite laminates using experimental data from fiber- optic strain sensors. <i>Procedia Structural Integrity</i> , 2017, 5, 577-583.	0.8	2
14	Numerical Analysis of the Effect of Microscale Components Interaction on Measurements of Fiber Optic Strain Sensors Used in Composite Structures. <i>Advances in Materials Science and Engineering</i> , 2019, 2019, 1-8.	1.8	2
15	Numerical Investigation of Damage Accumulation and Failure Processes in Random Porous Bicontinuous Media. <i>Procedia Structural Integrity</i> , 2020, 25, 386-393.	0.8	2
16	Stochastic modelling of deformation process in elastoplastic composites with randomly located inclusions using high order correlation functions. <i>PNRPU Mechanics Bulletin</i> , 2014, , 162-184.	0.4	2
17	Modeling the Influence of Structure Morphology on the Physical and Mechanical Properties of Nanocomposites Based on a Polymer Matrix and Graphene Oxide. <i>Mechanics of Solids</i> , 2020, 55, 316-323.	0.7	2
18	Estimation of microstructural failure probability based on restoration of the field distributions laws in components of heterogeneous media. <i>Procedia Structural Integrity</i> , 2017, 5, 608-613.	0.8	1

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19	Numerical Analysis of Delamination in Composite Structures Using Strain Measurements from Fiber Bragg Gratings Sensors. <i>Structural Integrity</i> , 2019, , 62-67.	1.4	1
20	Optimization of Elastic Properties of Composite Laminates Using Fiber-Optic Strain Sensors. <i>Applied Composite Materials</i> , 2020, 27, 491-509.	2.5	1
21	Topology Optimization of Biomimetic Cellular Polymeric Materials with Random Structure Based on Strain Energy. <i>Procedia Structural Integrity</i> , 2021, 32, 246-252.	0.8	1
22	Numerical Analysis of the Mechanical Response of Two-Phase Nanocomposites Consisting of Nanoporous Gold and Polymer. <i>Materials</i> , 2022, 15, 1574.	2.9	1
23	Characterization of Microstructure of Fibrous Composites Using High-Order Correlation Functions. <i>Solid State Phenomena</i> , 0, 243, 121-129.	0.3	0
24	Correlation functions for strain fields in elastic-plastic composites with random microstructure. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	0
25	Modeling of the influence of structural morphology specifics on the deformation behavior of a nanomodified polymer matrix. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	0
26	Multipoint Approximation of Statistical Descriptors of Local Strain and Stress Fields in Heterogeneous Media Using Integral Equation Method. <i>Advances in Mathematical Physics</i> , 2018, 2018, 1-9.	0.8	0
27	Graph theory based algorithm for analysis of percolation networks in RVE models of graphene modified polymers. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	0
28	Method of evaluation of permeability properties of heterogeneous media based on voxel models. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	0
29	ANALYSIS OF FIBRE BRAGG GRATINGS SENSORS OPTIMAL PLACEMENT FOR MONITORING OF DAMAGE PROPAGATION IN LAMINATE COMPOSITES. , 2016, , .		0
30	Multiscale Statistical Model of Progressive Failure in Random Heterogeneous Media. <i>Lecture Notes in Mechanical Engineering</i> , 2019, , 114-123.	0.4	0
31	Computational multi-scale analysis of simultaneous processes of delamination and damage accumulation in laminated composites. <i>Frattura Ed Integrita Strutturale</i> , 2019, 13, 396-411.	0.9	0
32	Effect of voids shape on deformation of 3D-printed closed-cell porous structures. <i>Procedia Structural Integrity</i> , 2022, 37, 1049-1056.	0.8	0