

Andrey Yu Fedorov

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Analysis of Reliability of Strain Measurements Made with the Fiber Bragg Grating Sensor Rosettes Embedded in a Polymer Composite Material. <i>Sensors</i> , 2021, 21, 5050.	3.8	9
2	Designing of interlayers between materials with minimum stress level at the interface. <i>International Journal of Adhesion and Adhesives</i> , 2021, 111, 102963.	2.9	2
3	Strain measurement and stress analysis in the vicinity of a fiber Bragg grating sensor embedded in a composite material. <i>Composite Structures</i> , 2020, 239, 111844.	5.8	23
4	Numerical and applied results of the analysis of singular solutions for a closed wedge consisting of two dissimilar materials. <i>Acta Mechanica</i> , 2020, 231, 2711-2721.	2.1	5
5	Numerical analysis of stresses near the vertices of a single and several radial spatial cracks. <i>Procedia Structural Integrity</i> , 2020, 28, 2245-2252.	0.8	0
6	Numerical modeling of the capillary in the Bragg grating area, ensuring uniaxial stress state of embedded fiber-optic strain sensor. <i>Procedia Structural Integrity</i> , 2019, 17, 371-378.	0.8	3
7	Numerical analysis of the strain values obtained by FBG embedded in a composite material using assumptions about uniaxial stress state of the optical fiber and capillary on the Bragg grating. <i>Frattura Ed Integrita Strutturale</i> , 2019, 13, 177-189.	0.9	3
8	Investigation of Stress Behavior in the Vicinity of Singular Points of Elastic Bodies Made of Functionally Graded Materials. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2018, 85, .	2.2	9
9	Optimization of geometry and mechanical characteristics of elastic bodies in the vicinity of singular points. <i>Acta Mechanica</i> , 2018, 229, 645-658.	2.1	5
10	Stress state analysis and optimization in the vicinity of the sensor of SMART-material. <i>Procedia Structural Integrity</i> , 2017, 5, 99-106.	0.8	0
11	Optimization of the mechanical properties of functionally graded materials in the vicinity of singular points. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	0
12	Analysis of stress singularities at singular points of elastic solids made of functionally graded materials. <i>Doklady Physics</i> , 2016, 61, 24-28.	0.7	2
13	Optimization of geometry of elastic bodies in the vicinity of singular points on the example of an adhesive lap joint. <i>Journal of Applied Mechanics and Technical Physics</i> , 2013, 54, 841-846.	0.5	5
14	Numerical analysis of singular solutions of two-dimensional problems of asymmetric elasticity. <i>Mechanics of Solids</i> , 2013, 48, 397-404.	0.7	2