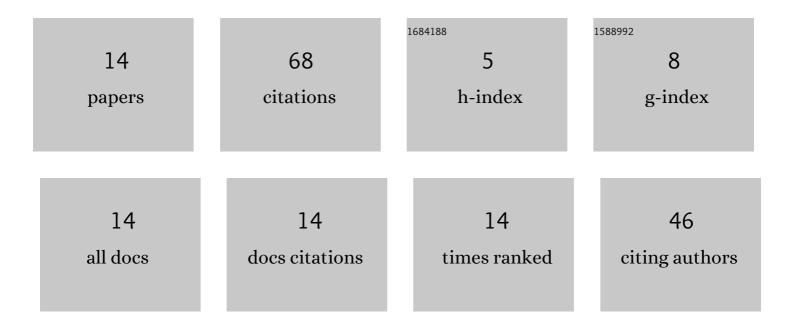
Andrey Yu Fedorov

List of Publications by Year in descending order

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