

# Natalia Kosheleva

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

160  
citations

1478505

6  
h-index

1125743

13  
g-index

30  
all docs

30  
docs citations

30  
times ranked

144  
citing authors

#	ARTICLE	IF	CITATIONS
1	Strain measurements by FBG-based sensors embedded in various materials manufactured by different technological processes. <i>Procedia Structural Integrity</i> , 2022, 37, 508-516.	0.8	6
2	Damage detection in materials based on strain measurements. <i>Acta Mechanica</i> , 2021, 232, 1841-1851.	2.1	5
3	Strain measurement in concrete sample under static loading using embedded fiber-optic sensors. <i>AIP Conference Proceedings</i> , 2021, , .	0.4	1
4	Strain Measurement and Defect Detection with Fiber-Optic Sensors Embedded into the Cement Sample. <i>Journal of Physics: Conference Series</i> , 2021, 1945, 012021.	0.4	2
5	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
6	On application of distributed FOS embedded into material for the mechanical state monitoring of civil structures. <i>Procedia Structural Integrity</i> , 2021, 33, 925-932.	0.8	2
7	EXPERIMENTAL AND THEORETICAL RESULTS FOR STRAIN MEASUREMENT USING FIBER BRAGG GRATING SENSORS EMBEDDED INTO THE MATERIAL. <i>Mechanics of Solids</i> , 2021, 56, 885-894.	0.7	2
8	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
9	Process-induced strain measurement by fiber optic sensors in a cylindrical concrete sample. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	2
10	Registration of evolution of process-induced strains in cement mixtures by embedded fiber Bragg grating sensors. <i>Procedia Structural Integrity</i> , 2020, 28, 1883-1891.	0.8	1
11	The study of internal structure of woven glass and carbon fiber reinforced composite materials with embedded fiber-optic sensors. <i>Frattura Ed Integrita Strutturale</i> , 2020, 14, 225-235.	0.9	6
12	Analysis of cross-sections of PCM samples with embedded FOSS. <i>Procedia Structural Integrity</i> , 2019, 18, 129-134.	0.8	0
13	Registration of the Creep Behavior by Embedded and Surface Mounted FOSS. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 581, 012043.	0.6	1
14	Registration of local damage based on the use of fiber-optic strain sensors and numerical simulation results. <i>Procedia Structural Integrity</i> , 2019, 17, 363-370.	0.8	0
15	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
16	Damage detection algorithm based on using surface mounted fiber-optic sensors on Bragg gratings. <i>Procedia Structural Integrity</i> , 2019, 18, 12-19.	0.8	2
17	The Study of Impact Loading on GFRP Plates Using a Network of Piezoceramic Sensors. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 581, 012030.	0.6	0
18	Multidisciplinary Approach to the Design of Superconducting Electrical Machines. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 581, 012012.	0.6	12

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19	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
20	Measurement of strains by optical fiber Bragg grating sensors embedded into polymer composite material. <i>Structural Control and Health Monitoring</i> , 2018, 25, e2118.	4.0	40
21	The analysis of the stress-strain state in the PCM“optical-fiber system. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	0
22	Modeling a Stressed State in the Vicinity of an Optical Fiber Embedded in a Polymer Composite Material with Allowance for the Structural Features of the Composite. <i>Journal of Applied Mechanics and Technical Physics</i> , 2018, 59, 1271-1278.	0.5	0
23	Experimental Study of the Stress-Strain State Features of Outlet Guide Vane Made From Polymer Composite Material Using Fiber Optic Sensors. , 2018, , .		1
24	Temperature and strain registration by fibre-optic strain sensor in the polymer composite materials manufacturing. <i>International Journal of Smart and Nano Materials</i> , 2018, 9, 99-110.	4.2	27
25	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
26	Measurement of inhomogeneous strain fields by fiber optic sensors embedded in a polymer composite material. <i>Mechanics of Solids</i> , 2016, 51, 542-549.	0.7	10
27	Temperature modes and critical velocities when drawing the wire. <i>Russian Journal of Non-Ferrous Metals</i> , 2016, 57, 424-428.	0.6	0
28	Development of a Simplified Numerical Model for the Design of 2G High-Temperature Superconductors. <i>IEEE Transactions on Applied Superconductivity</i> , 2016, 26, 1-5.	1.7	2
29	Optimization of geometry of process tool for pressing trimetal billet. <i>Russian Journal of Non-Ferrous Metals</i> , 2014, 55, 154-156.	0.6	0
30	Temperature conditions and modes of formation of residual stresses in wiredrawing. <i>Russian Journal of Non-Ferrous Metals</i> , 2011, 52, 227-229.	0.6	0