Lyudmila Stepanova

List of Publications by Year
in descending order

48	163	1307594 7	1474206 9
papers	citations	h-index	g-index

50	50	50	65
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Acoustic and Emission Analysis of the Defect Nucleation Process in Carbon Fiber Reinforced Plastic Samples. Transportation Research Procedia, 2021, 54, 320-327.	1.5	1
2	Testing the Loading of Bearing Rings with Surface Waves Using Acoustoelasticity Effect. Russian Journal of Nondestructive Testing, 2021, 57, 261-268.	0.9	4
3	Strength Tests of Carbon Plastic Samples Using Dynamic Tensometry. Transportation Research Procedia, 2021, 54, 220-227.	1.5	2
4	Influence of Crack Propagation Parameters on Acoustic Emission Parameters During Low-Cycle Testing. Advances in Intelligent Systems and Computing, 2020, , 885-893.	0.6	1
5	Strength Tests of a CFRP Spar Using Methods of Acoustic Emission and Tensometry. Russian Journal of Nondestructive Testing, 2018, 54, 243-248.	0.9	10
6	Analysis of errors in location of flaws in multipass welds using different clustering methods. Russian Journal of Nondestructive Testing, 2017, 53, 96-103.	0.9	2
7	Acoustic-emission inspection of flaws during laser bonding of articles made of VT20 titanium alloy. Russian Journal of Nondestructive Testing, 2017, 53, 430-435.	0.9	2
8	Studying the failure of a CFRP sample under static loading by the acoustic-emission and fractography methods. Russian Journal of Nondestructive Testing, 2017, 53, 422-429.	0.9	11
9	Strength tests of samples made from carbon plastics with various monolayer packings. Russian Journal of Nondestructive Testing, 2016, 52, 23-31.	0.9	0
10	Acoustic-emission location of flaws during multiple-run welding of contours with complex shapes. Russian Journal of Nondestructive Testing, 2016, 52, 261-268.	0.9	2
11	Acoustic-emission testing of multiple-pass welding defects of large-size constructions. Russian Journal of Nondestructive Testing, 2015, 51, 540-545.	0.9	5
12	A procedure for locating acoustic-emission signals during static testing of carbon composite samples. Russian Journal of Nondestructive Testing, 2015, 51, 227-235.	0.9	8
13	The development of a defect-rejection procedure for multiple-pass welding by the distribution of the principal parameters of acoustic-emission signals. Russian Journal of Nondestructive Testing, 2014, 50, 667-678.	0.9	6
14	A study of specimens from solebar material with boxlike cross sections using the acoustic-emission method. Russian Journal of Nondestructive Testing, 2013, 49, 215-224.	0.9	6
15	Studying the parameters of acoustic emission signals during inspection of cast parts of a freight car truck. Russian Journal of Nondestructive Testing, 2013, 49, 722-727.	0.9	6
16	Use of microprocessor acoustic emission systems during aircraft endurance testing. Russian Journal of Nondestructive Testing, 2013, 49, 458-464.	0.9	3
17	Microprocessor multi-channel strain-gauge systems for dynamic tests of structures. Automation and Remote Control, 2013, 74, 891-897.	0.8	7
18	Studying the correlation of the informative parameters of acoustic-emission signals with the destruction processes in specimens with welding flaws. Russian Journal of Nondestructive Testing, 2012, 48, 330-339.	0.9	1

#	Article	IF	Citations
19	Studying the deformation and temperature distributions in a specimen during acoustic-emission testing of the weld-seam welding and cooling process. Russian Journal of Nondestructive Testing, 2012, 48, 468-475.	0.9	1
20	Localization of acoustic-emission sources in objects with small geometric dimensions. Russian Journal of Nondestructive Testing, 2012, 48, 662-671.	0.9	2
21	Acoustic-emission testing of solebars with boxlike cross sections. Russian Journal of Nondestructive Testing, 2011, 47, 158-163.	0.9	5
22	Using two-stage clustering of acoustic-emission signals for the detection of weld flaws. Russian Journal of Nondestructive Testing, 2011, 47, 393-397.	0.9	0
23	Enhancement of the acoustic-emission method use for diagnostics of rolling stock cast parts. Russian Journal of Nondestructive Testing, 2010, 46, 49-55.	0.9	3
24	Studying sources of acoustic emission during the cooling of a weld seam with the use of cluster analysis. Russian Journal of Nondestructive Testing, 2010, 46, 56-63.	0.9	2
25	Development of the technique of clustering by acoustic emission signal parameters. Russian Journal of Nondestructive Testing, 2010, 46, 137-146.	0.9	4
26	Investigation of the effect of buffing loading on the propagation of elastic vibrations in rails. Russian Journal of Nondestructive Testing, 2010, 46, 170-176.	0.9	0
27	The influence of temperature on the characteristics of piezoelectric transducers and errors of localization of acoustic-emission signals. Russian Journal of Nondestructive Testing, 2010, 46, 377-385.	0.9	3
28	Detecting hazardous sources of acoustic-emission signals using the estimated energy of clusters. Russian Journal of Nondestructive Testing, 2010, 46, 676-683.	0.9	4
29	The influence of the coordinate errors of setting sensors of a piezoelectric antenna on the accuracy of localizing sources of acoustic-emission signals. Russian Journal of Nondestructive Testing, 2010, 46, 803-809.	0.9	1
30	Study of fracture of specimens made of fiberglass plastic using acoustic-emission and strain measurements. Russian Journal of Nondestructive Testing, 2009, 45, 103-108.	0.9	3
31	Estimation of time-of-arrival errors of acoustic-emission signals by the threshold method. Russian Journal of Nondestructive Testing, 2009, 45, 273-279.	0.9	9
32	Acoustic-emission study of the possibilities of localizing flaws of a welded joint during cooling. Russian Journal of Nondestructive Testing, 2009, 45, 310-316.	0.9	11
33	Inspection of locomotive bearing rings by the acoustic-emission method. Russian Journal of Nondestructive Testing, 2009, 45, 631-635.	0.9	3
34	Clustering of sources of acoustic-emission signals by the leading-edge rise rate. Russian Journal of Nondestructive Testing, 2009, 45, 685-692.	0.9	5
35	Application of the acoustic-emission and strain-gaging methods to testing of the residual strength of airplanes. Russian Journal of Nondestructive Testing, 2008, 44, 95-101.	0.9	6
36	Acoustic-emission testing of curvilinear fuselage panels of an RRJ airplane in life tests. Russian Journal of Nondestructive Testing, 2008, 44, 836-840.	0.9	1

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37	A technique for acoustic-emission testing of the wheel pairs of a freight-car carriage. Russian Journal of Nondestructive Testing, 2007, 43, 263-269.	0.9	2
38	Lifetime tests of structures with the use of microprocessor strain-gaging systems. Russian Journal of Nondestructive Testing, 2007, 43, 484-488.	0.9	1
39	Studies of the Fracture Process in Composite Structural Elements Based on Strain Measurements and the Acoustic-Emission Technique. Russian Journal of Nondestructive Testing, 2004, 40, 580-586.	0.9	1
40	Use of the acoustic emission method in detecting the fracture process in specimens made of composite materials. Russian Journal of Nondestructive Testing, 2004, 40, 455-461.	0.9	7
41	Title is missing!. Russian Journal of Nondestructive Testing, 2003, 39, 54-59.	0.9	3
42	Microprocessor AE System for Strength Tests of Aircraft Structures. Russian Journal of Nondestructive Testing, 2002, 38, 121-126.	0.9	2
43	Title is missing!. Russian Journal of Nondestructive Testing, 2002, 38, 162-169.	0.9	0
44	Assessment of Hazard Due to Flaws in Metallic Structures Detected by the AE Method. Russian Journal of Nondestructive Testing, 2002, 38, 593-599.	0.9	0
45	Title is missing!. Russian Journal of Nondestructive Testing, 2002, 38, 857-864.	0.9	2
46	Acoustic Emission Method for Testing Oil and Gas Tanks. Russian Journal of Nondestructive Testing, 2001, 37, 232-237.	0.9	3
47	Title is missing!. Russian Journal of Nondestructive Testing, 2001, 37, 306-312.	0.9	0
48	Acoustic-emission technique for determination of flaw coordinates in metallic structures with the help of tabulated data. Russian Journal of Nondestructive Testing, 2000, 36, 443-449.	0.9	0