

Alexei V Danyuk

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

247
citations

1478505

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1058476

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all docs

15
docs citations

15
times ranked

217
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of grain size on the mechanisms of plastic deformation in wrought Mg-Zn-Zr alloy revealed by acoustic emission measurements. <i>Acta Materialia</i> , 2013, 61, 2044-2056.	7.9	104
2	Deformation mechanisms underlying tension-compression asymmetry in magnesium alloy ZK60 revealed by acoustic emission monitoring. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 621, 243-251.	5.6	46
3	Wavelet based approach to signal activity detection and phase picking: Application to acoustic emission. <i>Signal Processing</i> , 2015, 115, 110-119.	3.7	40
4	Probing elementary dislocation mechanisms of local plastic deformation by the advanced acoustic emission technique. <i>Scripta Materialia</i> , 2018, 151, 53-56.	5.2	20
5	Localized and homogeneous plastic flow in bulk glassy Pd ₄₀ Cu ₃₀ Ni ₁₀ P ₂₀ : An acoustic emission study. <i>Journal of Applied Physics</i> , 2013, 113, 153503.	2.5	7
6	Acoustic Emission Assessment of Impending Fracture in a Cyclically Loading Structural Steel. <i>Metals</i> , 2016, 6, 266.	2.3	7
7	Improving of Acoustic Emission Signal Detection for Fatigue Fracture Monitoring. <i>Procedia Engineering</i> , 2017, 176, 284-290.	1.2	7
8	The effect of stacking fault energy on acoustic emission in pure metals with face-centered crystal lattice. <i>Letters on Materials</i> , 2017, 7, 437-441.	0.7	6
9	Location of noise-like sources of acoustic emissions using the spectral similarity method. <i>Russian Journal of Nondestructive Testing</i> , 2013, 49, 553-561.	0.9	2
10	Technique for the Determination of the Critical Points under Acoustic Emission Tribological Tests. <i>Inorganic Materials</i> , 2017, 53, 1506-1512.	0.8	2
11	Universal Waveguide for the Acoustic-Emission Evaluation of High-Temperature Industrial Objects. <i>Russian Journal of Nondestructive Testing</i> , 2018, 54, 164-173.	0.9	2
12	Anisotropy of the acoustic emission signal on scratch testing of a single crystal of aluminum. <i>Letters on Materials</i> , 2019, 9, 130-135.	0.7	2
13	The specific features of acoustic-emission testing of vessel equipment with a wall delamination of a technological origin. <i>Russian Journal of Nondestructive Testing</i> , 2015, 51, 280-291.	0.9	1
14	Universal Educational and Research Facility for the Study of the Processes of Generation and Propagation of Acoustic Emission Waves. <i>Inorganic Materials</i> , 2017, 53, 1548-1554.	0.8	1
15	Advanced-reliability acoustic-emission transducers. <i>Russian Journal of Nondestructive Testing</i> , 2017, 53, 32-38.	0.9	0