

Dmitriy A Tretyakov

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

111
citations

1478505

6
h-index

1372567

10
g-index

19
all docs

19
docs citations

19
times ranked

24
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimating the plastic strain with the use of acoustic anisotropy. <i>Mechanics of Solids</i> , 2016, 51, 606-611.	0.7	32
2	Investigation of the correlation between acoustic anisotropy, damage and measures of the stress-strain state. <i>Procedia Structural Integrity</i> , 2017, 6, 201-207.	0.8	13
3	Effect of Surface Layer Damage on Acoustic Anisotropy. <i>Journal of Applied Mechanics and Technical Physics</i> , 2018, 59, 1136-1144.	0.5	11
4	Propagation of sound waves in stressed elasto-plastic material. , 2016, , .		8
5	Experimental investigation of the acoustic anisotropy field in the sample with a stress concentrator. <i>St Petersburg Polytechnical University Journal Physics and Mathematics</i> , 2017, 3, 77-82.	0.3	8
6	Application of the acoustic anisotropy approach for technical diagnostics of structures with large plastic deformations. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	7
7	Correlation of acoustoelasticity with hydrogen saturation during destruction. <i>E3S Web of Conferences</i> , 2019, 121, 01016.	0.5	6
8	Investigation of the corrosion process and destruction of metals by using acoustodamage method. <i>E3S Web of Conferences</i> , 2019, 121, 01017.	0.5	5
9	A study of hydrogen cracking in metals by the acoustoelasticity method. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	4
10	Acoustic anisotropy and dissolved hydrogen as an indicator of waves of plastic deformation. , 2017, , .		4
11	Propagation of acoustic waves during the control of hydrogen-induced destruction of metals by the acoustoelastic effect. , 2018, , .		4
12	Acoustic anisotropy and localization of plastic deformation in aluminum alloys. <i>Materials Today: Proceedings</i> , 2020, 30, 413-416.	1.8	4
13	The Initiation Mechanism of Plastic Strain Localization Bands and Acoustic Anisotropy. <i>Procedia Structural Integrity</i> , 2017, 6, 128-133.	0.8	1
14	Relationship between the acoustic anisotropy parameter and measures of the stress-strain state for a specimen with a stress concentrator. , 2017, , .		1
15	Discrete and continual approaches to the description of random microstructure of materials. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	1
16	Influence of the skin effect of plastic deformation on hydrogen accumulation in metals. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	1
17	Averaged equations for bi-continuum material in the long-wavelength approximation. , 2018, , .		1
18	Acoustic Anisotropy and Hydrogen Concentrations During Thermomechanical Loading of Single-Crystal Nickel-Based Superalloys. <i>Advanced Structured Materials</i> , 2021, , 19-32.	0.5	0

#	ARTICLE	IF	CITATIONS
19	Effect of Surface Layer Damage on Acoustic Anisotropy. PrikladnaË Mehanika, TehniÄeskaË Fizika, 2018, , .	0.0	0