

MichaÅ, BÃhlm

List of Publications by Year in descending order

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23
papers

280
citations

1040056

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h-index

888059

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g-index

25
all docs

25
docs citations

25
times ranked

261
citing authors

#	ARTICLE	IF	CITATIONS
1	A frequency-domain model assessing random loading damage by the strain energy density parameter. <i>International Journal of Fatigue</i> , 2021, 146, 106152.	5.7	2
2	Crest factor and kurtosis parameter under vibrational random loading. <i>International Journal of Fatigue</i> , 2021, 147, 106179.	5.7	9
3	Application of the S-N Curve Mean Stress Correction Model in Terms of Fatigue Life Estimation for Random Torsional Loading for Selected Aluminum Alloys. <i>Materials</i> , 2020, 13, 2985.	2.9	7
4	Fatigue life estimation of explosive cladded transition joints with the use of the spectral method for the case of a random sea state. <i>Marine Structures</i> , 2020, 71, 102739.	3.8	32
5	Influence of the Elastoplastic Strain on Fatigue Durability Determined with the Use of the Spectral Method. <i>Materials</i> , 2020, 13, 423.	2.9	9
6	The Heat Conductivity Properties of Hemp Lime Composite Material Used in Single-Family Buildings. <i>Materials</i> , 2020, 13, 1011.	2.9	25
7	Fatigue Life Estimation with Mean Stress Effect Compensation for Lightweight Structures – The Case of GLARE 2 Composite. <i>Polymers</i> , 2020, 12, 251.	4.5	13
8	Formulation of multiaxial fatigue failure criteria for spectral method. <i>International Journal of Fatigue</i> , 2020, 135, 105519.	5.7	18
9	Fatigue Life of S355JR Steel under Uniaxial Constant Amplitude and Random Loading Conditions. <i>Materials Science</i> , 2020, 55, 514-521.	0.9	2
10	General Procedure for Formulation of Multiaxial Fatigue Failure Criteria in Frequency Domain. <i>MATEC Web of Conferences</i> , 2019, 300, 15007.	0.2	0
11	Fatigue Life Calculation with the Use of the Energy Parameter for the Elastic Material State in the Spectral Method. <i>Lecture Notes in Mechanical Engineering</i> , 2019, , 80-87.	0.4	3
12	Fatigue life assessment algorithm modification in terms of taking into account the effect of overloads in the frequency domain. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	4
13	Fatigue life assessment with the use of spectral method for materials subjected to standardized wind loading spectrums. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	3
14	Frequency-domain fatigue life estimation with mean stress correction. <i>International Journal of Fatigue</i> , 2016, 91, 373-381.	5.7	31
15	The Use of Spectral Method for Fatigue Life Assessment for Non-Gaussian Random Loads. <i>Acta Mechanica Et Automatica</i> , 2016, 10, 100-103.	0.6	22
16	Universal Method for Applying the Mean-Stress Effect Correction in Stochastic Fatigue-Damage Accumulation. <i>Materials Performance and Characterization</i> , 2016, 5, 352-363.	0.3	4
17	Strain-based Multiaxial Fatigue Life Evaluation Using Spectral Method. <i>Procedia Engineering</i> , 2015, 101, 52-60.	1.2	7
18	Mean Stress Effect Correction in Frequency-domain Methods for Fatigue Life Assessment. <i>Procedia Engineering</i> , 2015, 101, 347-354.	1.2	12

#	ARTICLE	IF	CITATIONS
19	Multiaxial Fatigue Test Stand Concept – Stand and Control Design. <i>Advances in Intelligent Systems and Computing</i> , 2015, , 437-445.	0.6	5
20	Influence of Estimation Methods of Power Spectral Density Function on the Calculated Fatigue Life with Spectral Method. <i>Solid State Phenomena</i> , 2014, 224, 118-123.	0.3	2
21	Mean stress effect correction using constant stress ratio S–N curves. <i>International Journal of Fatigue</i> , 2013, 52, 49-56.	5.7	66
22	Determination of Fatigue Life on the Basis of Experimental Fatigue Diagrams under Constant Amplitude Load with Mean Stress. <i>Materials Science Forum</i> , 2012, 726, 33-38.	0.3	3
23	Determination of Fatigue Life with the Use of Spectral Method on the Basis of Fatigue Strain Characteristics. <i>Solid State Phenomena</i> , 0, 224, 112-117.	0.3	1