Adam NiesÅ‚ony

List of Publications by Year
in descending order

42	866	759233 12	477307 29
papers	citations	h-index	g-index

42	42	42	661
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fatigue Test of 6082 Aluminum Alloy under Random Load with Controlled Kurtosis. Materials, 2021, 14, 856.	2.9	4
2	An Overview of Fatigue Testing Systems for Metals under Uniaxial and Multiaxial Random Loadings. Metals, 2021, 11, 447.	2.3	4
3	Crest factor and kurtosis parameter under vibrational random loading. International Journal of Fatigue, 2021, 147, 106179.	5.7	9
4	Characterisation of joint properties through spatial mapping of cracks in fatigue specimens, extracted from the linearly friction welded steel coupon. Precision Engineering, 2021, 71, 78-89.	3.4	4
5	Influence of the Elastoplastic Strain on Fatigue Durability Determined with the Use of the Spectral Method. Materials, 2020, 13, 423.	2.9	9
6	Formulation of multiaxial fatigue failure criteria for spectral method. International Journal of Fatigue, 2020, 135, 105519.	5.7	18
7	Fatigue Life of S355JR Steel under Uniaxial Constant Amplitude and Random Loading Conditions. Materials Science, 2020, 55, 514-521.	0.9	2
8	General Procedure for Formulation of Multiaxial Fatigue Failure Criteria in Frequency Domain. MATEC Web of Conferences, 2019, 300, 15007.	0.2	0
9	Influence of wood anisotropy on its mechanical properties in relation to the scale effect. International Agrophysics, 2019, 33, 337-345.	1.7	11
10	Dental adhesive strength tests. AIP Conference Proceedings, 2018, , .	0.4	0
11	Methods of description of random loading in fatigue life calculation. AIP Conference Proceedings, 2018, , .	0.4	1
12	The influence of saliva on the dental adhesive strength. AIP Conference Proceedings, 2018, , .	0.4	0
13	Fatigue properties in additive manufacturing methods applying Ti6Al4V. AIP Conference Proceedings, 2018, , .	0.4	2
14	Stress Analysis of Dental Implant Inserted in the Mandible. Strojnicky Casopis, 2018, 68, 25-32.	0.9	1
15	Dental implant stress analysis with selected prosthetic crown overhangs sizes. ITM Web of Conferences, 2017, 15, 07002.	0.5	1
16	Identification of Fatigue Cracks on the Basis of Measurable Changes in System Dynamics. Strojnicky Casopis, 2017, 67, 77-84.	0.9	9
17	Frequency-domain fatigue life estimation with mean stress correction. International Journal of Fatigue, 2016, 91, 373-381.	5.7	31
18	The Use of Spectral Method for Fatigue Life Assessment for Non-Gaussian Random Loads. Acta Mechanica Et Automatica, 2016, 10, 100-103.	0.6	22

#	Article	IF	Citations
19	Evaluation of fatigue life of steel using steel grain size. Materialwissenschaft Und Werkstofftechnik, 2015, 46, 1059-1067.	0.9	4
20	Strain-based Multiaxial Fatigue Life Evaluation Using Spectral Method. Procedia Engineering, 2015, 101, 52-60.	1.2	7
21	Mean Stress Effect Correction in Frequency-domain Methods for Fatigue Life Assessment. Procedia Engineering, 2015, 101, 347-354.	1.2	12
22	Multiaxial Fatigue Test Stand Concept â€“ Stand and Control Design. Advances in Intelligent Systems and Computing, 2015, , 437-445.	0.6	5
23	Stress Concentration Resulting from Irregular Shape of Explosively Cladded Materials Connections - Fem Simulation. Acta Mechanica Et Automatica, 2014, 8, 103-106.	0.6	1
24	Influence of Estimation Methods of Power Spectral Density Function on the Calculated Fatigue Life with Spectral Method. Solid State Phenomena, 2014, 224, 118-123.	0.3	2
25	Multiaxial fatigue behaviour of AA6068 and AA2017A aluminium alloys under in-phase bending with torsion loading condition. Materialwissenschaft Und Werkstofftechnik, 2014, 45, 947-952.	0.9	28
26	Mean stress effect correction using constant stress ratio Sâ€“N curves. International Journal of Fatigue, 2013, 52, 49-56.	5.7	66
27	Fatigue Life Tests of Explosively Cladded Steel-Titanium Bimetal. Materials Science Forum, 2012, 726, 106-109.	0.3	10
28	Determination of Fatigue Life on the Basis of Experimental Fatigue Diagrams under Constant Amplitude Load with Mean Stress. Materials Science Forum, 2012, 726, 33-38.	0.3	3
29	Concept of Fatigue for Determining Characteristics of Materials with Strengthening. Materials Science Forum, 2012, 726, 43-48.	0.3	7
30	Fatigue life prediction for broad-band multiaxial loading with various PSD curve shapes. International Journal of Fatigue, 2012, 44, 74-88.	5.7	41
31	Critical plane fatigue life models of materials and structures under multiaxial stationary random loading: The state-of-the-art in Opole Research Centre CESTI and directions of future activities. International Journal of Fatigue, 2012, 39, 95-102.	5.7	44
32	A study of compatibility between two classical fatigue curve models based on some selected structural materials. International Journal of Fatigue, 2012, 39, 88-94.	5.7	25
33	Influence of the Selected Fatigue Characteristics of the Material on Calculated Fatigue Life under Variable Amplitude Loading. Applied Mechanics and Materials, 2011, 104, 197-205.	0.2	8
34	Î² - Ein MaÃŸ fÃ¼r nicht kompatibles Werkstoffverhalten. Materialwissenschaft Und Werkstofftechnik, 2009, 40, 657-662.	0.9	0
35	Determination of fragments of multiaxial service loading strongly influencing the fatigue of machine components. Mechanical Systems and Signal Processing, 2009, 23, 2712-2721.	8.0	234
36	New method for evaluation of the Mansonâ€“Coffinâ€“Basquin and Rambergâ€“Osgood equations with respect to compatibility. International Journal of Fatigue, 2008, 30, 1967-1977.	5.7	110

#	Article	IF	Citations
37	Numerical Fatigue Strength Evaluation of Inhomogeneous, Linear Flow Split Profiles. , 2008, , .		2
38	Theoretical Fundamentals. , 2007, , 37-66.		0
39	Fatigue life calculation by means of the cycle counting and spectral methods under multiaxial random loading. Fatigue and Fracture of Engineering Materials and Structures, 2005, 28, 409-420.	3.4	73
40	Fatigue life under non-Gaussian random loading from various models. International Journal of Fatigue, 2004, 26, 349-363.	5.7	54
41	Estimation of the fatigue life of high strength steel under variable-amplitude tension with torsion: Use of the energy parameter in the critical plane. European Structural Integrity Society, 2003, 31, 183-202.	0.1	1
42	Determination of Fatigue Life with the Use of Spectral Method on the Basis of Fatigue Strain Characteristics. Solid State Phenomena, 0, 224, 112-117.	0.3	1