

# Adam NiesÅ,ony

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2978574/publications.pdf>

Version: 2024-02-01

42  
papers

866  
citations

759233

12  
h-index

477307

29  
g-index

42  
all docs

42  
docs citations

42  
times ranked

661  
citing authors

#	ARTICLE	IF	CITATIONS
1	Determination of fragments of multiaxial service loading strongly influencing the fatigue of machine components. <i>Mechanical Systems and Signal Processing</i> , 2009, 23, 2712-2721.	8.0	234
2	New method for evaluation of the Manson-Coffin-Basquin and Ramberg-Osgood equations with respect to compatibility. <i>International Journal of Fatigue</i> , 2008, 30, 1967-1977.	5.7	110
3	Fatigue life calculation by means of the cycle counting and spectral methods under multiaxial random loading. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2005, 28, 409-420.	3.4	73
4	Mean stress effect correction using constant stress ratio S-N curves. <i>International Journal of Fatigue</i> , 2013, 52, 49-56.	5.7	66
5	Fatigue life under non-Gaussian random loading from various models. <i>International Journal of Fatigue</i> , 2004, 26, 349-363.	5.7	54
6	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. <i>International Journal of Fatigue</i> , 2012, 39, 95-102.	5.7	44
7	Fatigue life prediction for broad-band multiaxial loading with various PSD curve shapes. <i>International Journal of Fatigue</i> , 2012, 44, 74-88.	5.7	41
8	Frequency-domain fatigue life estimation with mean stress correction. <i>International Journal of Fatigue</i> , 2016, 91, 373-381.	5.7	31
9	Multiaxial fatigue behaviour of AA6068 and AA2017A aluminium alloys under in-phase bending with torsion loading condition. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2014, 45, 947-952.	0.9	28
10	A study of compatibility between two classical fatigue curve models based on some selected structural materials. <i>International Journal of Fatigue</i> , 2012, 39, 88-94.	5.7	25
11	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
12	Formulation of multiaxial fatigue failure criteria for spectral method. <i>International Journal of Fatigue</i> , 2020, 135, 105519.	5.7	18
13	Mean Stress Effect Correction in Frequency-domain Methods for Fatigue Life Assessment. <i>Procedia Engineering</i> , 2015, 101, 347-354.	1.2	12
14	Influence of wood anisotropy on its mechanical properties in relation to the scale effect. <i>International Agrophysics</i> , 2019, 33, 337-345.	1.7	11
15	Fatigue Life Tests of Explosively Cladded Steel-Titanium Bimetal. <i>Materials Science Forum</i> , 2012, 726, 106-109.	0.3	10
16	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
17	Crest factor and kurtosis parameter under vibrational random loading. <i>International Journal of Fatigue</i> , 2021, 147, 106179.	5.7	9
18	Identification of Fatigue Cracks on the Basis of Measurable Changes in System Dynamics. <i>Strojnický Casopis</i> , 2017, 67, 77-84.	0.9	9

#	ARTICLE	IF	CITATIONS
19	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
20	Concept of Fatigue for Determining Characteristics of Materials with Strengthening. Materials Science Forum, 2012, 726, 43-48.	0.3	7
21	Strain-based Multiaxial Fatigue Life Evaluation Using Spectral Method. Procedia Engineering, 2015, 101, 52-60.	1.2	7
22	Multiaxial Fatigue Test Stand Concept – Stand and Control Design. Advances in Intelligent Systems and Computing, 2015, , 437-445.	0.6	5
23	Evaluation of fatigue life of steel using steel grain size. Materialwissenschaft Und Werkstofftechnik, 2015, 46, 1059-1067.	0.9	4
24	Fatigue Test of 6082 Aluminum Alloy under Random Load with Controlled Kurtosis. Materials, 2021, 14, 856.	2.9	4
25	An Overview of Fatigue Testing Systems for Metals under Uniaxial and Multiaxial Random Loadings. Metals, 2021, 11, 447.	2.3	4
26	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
27	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
28	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
29	Fatigue properties in additive manufacturing methods applying Ti6Al4V. AIP Conference Proceedings, 2018, , .	0.4	2
30	Fatigue Life of S355JR Steel under Uniaxial Constant Amplitude and Random Loading Conditions. Materials Science, 2020, 55, 514-521.	0.9	2
31	Numerical Fatigue Strength Evaluation of Inhomogeneous, Linear Flow Split Profiles. , 2008, , .		2
32	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
33	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
34	Stress Concentration Resulting from Irregular Shape of Explosively Cladded Materials Connections - Fem Simulation. Acta Mechanica Et Automatica, 2014, 8, 103-106.	0.6	1
35	Dental implant stress analysis with selected prosthetic crown overhangs sizes. ITM Web of Conferences, 2017, 15, 07002.	0.5	1
36	Methods of description of random loading in fatigue life calculation. AIP Conference Proceedings, 2018, , .	0.4	1

#	ARTICLE	IF	CITATIONS
37	Stress Analysis of Dental Implant Inserted in the Mandible. Strojnický Casopis, 2018, 68, 25-32.	0.9	1
38	Theoretical Fundamentals. , 2007, , 37-66.		0
39	Î - Ein Maß für nicht kompatibles Werkstoffverhalten. Materialwissenschaft Und Werkstofftechnik, 2009, 40, 657-662.	0.9	0
40	Dental adhesive strength tests. AIP Conference Proceedings, 2018, , .	0.4	0
41	The influence of saliva on the dental adhesive strength. AIP Conference Proceedings, 2018, , .	0.4	0
42	General Procedure for Formulation of Multiaxial Fatigue Failure Criteria in Frequency Domain. MATEC Web of Conferences, 2019, 300, 15007.	0.2	0