Bin Li

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/2877309/publications.pdf

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38	787	394421	501196
papers	citations	19 h-index	28 g-index

38	38	38	418
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Comparative study of multiaxial fatigue damage models for ductile structural steels and brittle materials. International Journal of Fatigue, 2009, 31, 1895-1906.	5.7	67
2	Simulation of cyclic stress/strain evolutions for multiaxial fatigue life prediction. International Journal of Fatigue, 2006, 28, 451-458.	5.7	61
3	A Unified Numerical Approach for Multiaxial Fatigue Limit Evaluation. Mechanics Based Design of Structures and Machines, 2000, 28, 85-103.	0.6	60
4	Crack initiation and growth path under multiaxial fatigue loading in structural steels. International Journal of Fatigue, 2009, 31, 1660-1668.	5.7	57
5	New approach for analysis of complex multiaxial loading paths. International Journal of Fatigue, 2014, 62, 21-33.	5.7	50
6	The effect of steady torsion on fatigue crack growth in shafts. International Journal of Fatigue, 2006, 28, 609-617.	5.7	41
7	A Procedure for Fast Evaluation of High-Cycle Fatigue Under Multiaxial Random Loading. Journal of Mechanical Design, Transactions of the ASME, 2002, 124, 558-563.	2.9	40
8	New cycle counting method for multiaxial fatigue. International Journal of Fatigue, 2014, 67, 78-94.	5.7	39
9	Crankshaft failure analysis of a motor vehicle. Engineering Failure Analysis, 2013, 35, 147-152.	4.0	35
10	A multiaxial fatigue approach to Rolling Contact Fatigue in railways. International Journal of Fatigue, 2014, 67, 191-202.	5.7	33
11	A computerized procedure for long-life fatigue assessment under complex multiaxial loading. Fatigue and Fracture of Engineering Materials and Structures, 2001, 24, 165-177.	3.4	31
12	Comparative study on biaxial low-cycle fatigue behaviour of three structural steels. Fatigue and Fracture of Engineering Materials and Structures, 2006, 29, 992-999.	3.4	30
13	Effect of steady torsion on fatigue crack initiation and propagation under rotating bending: Multiaxial fatigue and mixed-mode cracking. Engineering Fracture Mechanics, 2011, 78, 826-835.	4.3	29
14	Analytical and experimental studies on fatigue crack path under complex multi-axial loading. Fatigue and Fracture of Engineering Materials and Structures, 2006, 29, 281-289.	3.4	28
15	New approach to evaluate nonâ€proportionality in multiaxial loading conditions. Fatigue and Fracture of Engineering Materials and Structures, 2014, 37, 1338-1354.	3.4	26
16	Crack path evaluation on HC and BCC microstructures under multiaxial cyclic loading. International Journal of Fatigue, 2014, 58, 102-113.	5.7	22
17	Effects of nonâ€proportional loading paths on the orientation of fatigue crack path. Fatigue and Fracture of Engineering Materials and Structures, 2005, 28, 445-454.	3.4	20
18	Numerical and experimental study on improving temperature uniformity of solar furnaces for materials processing. Solar Energy, 2015, 115, 95-108.	6.1	20

#	Article	IF	Citations
19	Minimum Circumscribed Ellipse (MCE) and Stress Scale Factor (SSF) criteria for multiaxial fatigue life assessment. Theoretical and Applied Fracture Mechanics, 2014, 73, 109-119.	4.7	19
20	A Numerical Approach for High-Cycle Fatigue Life Prediction with Multiaxial Loading. , 2000, , 139-156.		17
21	3D-modelling of the local plastic deformation and residual stresses of PM diamondâ€“metal matrix composites. Computational Materials Science, 2010, 47, 1023-1030.	3.0	12
22	Evaluation of the residual stresses due to the sintering process of diamondâ€“metal matrix hot-pressed tools. Theoretical and Applied Fracture Mechanics, 2008, 49, 226-231.	4.7	11
23	Biaxial fatigue for proportional and nonâ€proportional loading paths. Fatigue and Fracture of Engineering Materials and Structures, 2004, 27, 775-784.	3.4	11
24	In-Plane Biaxial Fatigue Testing Machine Powered by Linear Iron-Core Motors. , 2014, , 63-79.		9
25	Finite Element Analysis of the Thermal Residual Stresses of Diamond Cutting Tools in the Sintering Process. Materials Science Forum, 0, 587-588, 695-699.	0.3	4
26	A stress gradient-based fatigue life prediction method for multiaxial notched specimen considering additional hardening effect. International Journal of Pressure Vessels and Piping, 2022, 195, 104597.	2.6	4
27	Structural integrity assessment of glass components in Concentrated Solar Power (CSP) systems. Theoretical and Applied Fracture Mechanics, 2015, 80, 14-21.	4.7	3
28	Multiaxial loadings with different frequencies between axial and torsional components in 42CrMo4 steel. International Journal of Structural Integrity, 2010, 1, 303-313.	3.3	2
29	Fatigue assessment of mechanical components under complex multiaxial loading. European Structural Integrity Society, 2003, , 463-482.	0.1	1
30	Simulations of Cyclic Plasticity and Fatigue Behavior of Structural Steels under Multiaxial Loading. Materials Science Forum, 2006, 514-516, 1414-1418.	0.3	1
31	Crack Growth Orientation in Two Structural Materials under Multiaxial Fatigue Loading. Materials Science Forum, 2008, 587-588, 892-897.	0.3	1
32	3D-FEM Simulation and Design Optimization of the Diamond Cutting Tools under Various Loading Conditions. Materials Science Forum, 0, 636-637, 1131-1136.	0.3	1
33	Damage Accumulation Due to Sequential Loading Effect. Procedia Engineering, 2011, 10, 1396-1401.	1.2	1
34	Integrated assessment procedure for determining the fracture strength of glass components in CSP systems. Frattura Ed Integrita Strutturale, 2014, 8, 438-445.	0.9	1
35	Comparative Study of the Additional Hardening Effects of Three Structural Steels. Materials Science Forum, 2006, 514-516, 534-538.	0.3	0
36	Characterizing the Cyclic Behaviour of Extruded AZ31 Magnesium Alloy. Materials Science Forum, 2012, 730-732, 727-732.	0.3	0

#	Article	IF	Citations
37	Effect of Non-Proportionality in the Fatigue Strength of 42CrMo4 Steel. Materials Science Forum, 0, 730-732, 757-762.	0.3	0
38	Multiaxial mixed-mode cracking â€“ small crack initiation and propagation*. Materialpruefung/Materials Testing, 2006, 48, 36-43.	2.2	0