Luis Reis

List of Publications by Year
in descending order

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164 papers	3,079 citations	201575 27 h-index	206029 48 g-index
169 all docs	169 docs citations	169 times ranked	2564 citing authors

#	Article	IF	Citations
1	Insights on the impact of structural health monitoring systems on the operation and maintenance of offshore wind support structures. Structural Safety, 2022, 94, 102154.	2.8	16
2	On the influence of different in-plane biaxial loading conditions over FCG lives. International Journal of Fatigue, 2022, 157, 106714.	2.8	1
3	Effect of Shear/Axial Stress Ratio on Multiaxial Non-Proportional Loading Fatigue Damage on AISI 303 Steel. Metals, 2022, 12, 89.	1.0	4
4	Functionally graded cellular cores of sandwich panels fabricated by additive manufacturing. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2022, 236, 1814-1828.	0.7	6
5	Evaluation of cellular structures with triply periodic minimal surfaces fabricated by additive manufacturing. , 2022, 1, 28-33.		2
6	Effect of the ironing process on ABS parts produced by FDM. Material Design and Processing Communications, 2021, 3, e151.	0.5	16
7	Evaluation of the effect of core lattice topology on the properties of sandwich panels produced by additive manufacturing. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2021, 235, 1312-1324.	0.7	7
8	A Novel Specimen Produced by Additive Manufacturing for Pure Plane Strain Fatigue Crack Growth Studies. Metals, 2021, 11, 433.	1.0	4
9	Assessment of Replacement of Metal Parts by BFRP Composites into a Highly Efficient Electrical Prototype. Journal of Composites Science, 2021, 5, 95.	1.4	0
10	Validation of a low-cost selective powder deposition process through the characterization of tin bronze specimens. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2021, 235, 2681-2691.	0.7	1
11	Formability of wire-arc deposited AISI 316L sheets for hybrid additive manufacturing applications. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2021, 235, 2839-2850.	0.7	6
12	Ultrasonic fatigue testing in as-built and polished Ti6Al4V alloy manufactured by SLM. Forces in Mechanics, 2021, 4, 100024.	1.3	16
13	A new method for ultrasonic fatigue testing of equibiaxial and pure shear cruciform specimens. International Journal of Fatigue, 2021, 152, 106423.	2.8	8
14	Evaluation of the influence of design in the mechanical properties of honeycomb cores used in composite panels. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2021, 235, 1325-1340.	0.7	2
15	Fatigue Damage Map of AZ31B-F Magnesium Alloys under Multiaxial Loading Conditions. Metals, 2021, 11, 1616.	1.0	4
16	Characterization of 3D printed ABS specimens under static and cyclic torsional loadings. Procedia Structural Integrity, 2021, 34, 205-210.	0.3	2
17	Influence of fused deposition modeling parameters on the mechanical properties of ABS parts. Polymers for Advanced Technologies, 2020, 31, 501-507.	1.6	64
18	Bioinspired structures for core sandwich composites produced by fused deposition modelling. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2020, 234, 379-393.	0.7	6

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19	Surface and mechanical properties of a nanostructured citrate hydroxyapatite coating on pure titanium. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 108, 103794.	1.5	9
20	Computational analysis of the transportation phase of an innovative foundation for offshore wind turbine. Ships and Offshore Structures, 2020, , 1-10.	0.9	4
21	Soil Interaction and Grout Behavior for the NREL Reference Monopile Offshore Wind Turbine. Journal of Marine Science and Engineering, 2020, 8, 298.	1.2	7
22	Multiaxial fatigue assessment of steels with non-metallic inclusions by means of adapted critical plane criteria. Theoretical and Applied Fracture Mechanics, 2020, 108, 102585.	2.1	16
23	Ultrasonic fatigue testing under multiaxial loading on a railway steel. International Journal of Fatigue, 2020, 136, 105581.	2.8	10
24	Influence of seams in the mechanical properties of PLA produced with multiple extrusion modules. Procedia Structural Integrity, 2020, 28, 358-363.	0.3	4
25	Review of Multiaxial Testing for Very High Cycle Fatigue: From â€˜Conventionalâ€™ to Ultrasonic Machines. Machines, 2020, 8, 25.	1.2	16
26	Structural Evaluation of the DeepCWind Offshore Wind Foundation. Frattura Ed Integrita Strutturale, 2020, 14, 24-44.	0.5	0
27	Modal and strain experimental analysis to an improved axial-axial cruciform specimen for ultrasonic fatigue testing. Procedia Structural Integrity, 2020, 28, 910-916.	0.3	0
28	Evaluation and numerical modeling of phenomenological approach for AZ31B-F magnesium alloy under multiaxial fatigue. Procedia Structural Integrity, 2020, 28, 943-949.	0.3	0
29	Tension/torsion ultrasonic fatigue testing on a railway wheel. Procedia Structural Integrity, 2020, 25, 445-453.	0.3	3
30	A Risk Assessment Model for Decision Making in Innovation Projects. IFIP Advances in Information and Communication Technology, 2020, , 79-90.	0.5	0
31	Monitoring of corrosionâ€fatigue degradation of grade R4 steel using an electrochemicalâ€mechanical combined approach. Fatigue and Fracture of Engineering Materials and Structures, 2019, 42, 2509-2519.	1.7	5
32	Load characterization on the joints of the A320 engine inlet cowl acoustic panel. Engineering Failure Analysis, 2019, 104, 1014-1029.	1.8	1
33	Mixed mode fatigue and fracture in planar geometries: Observations on K eq and crack path modelling. Fatigue and Fracture of Engineering Materials and Structures, 2019, 42, 2441-2456.	1.7	9
34	A new proposal for an offshore wind foundation for transitional waters. Marine Structures, 2019, 68, 102657.	1.6	11
35	0-3D Design method: a new design management technique to support Design for Manufacturing. Procedia CIRP, 2019, 84, 155-158.	1.0	0
36	Formability Limits, Fractography and Fracture Toughness in Sheet Metal Forming. Materials, 2019, 12, 1493.	1.3	19

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37	Cruciform specimens' experimental analysis in ultrasonic fatigue testing. Fatigue and Fracture of Engineering Materials and Structures, 2019, 42, 2496-2508.	1.7	14
38	Failure analysis of a coupled shaft from a shredder. Engineering Failure Analysis, 2019, 103, 384-391.	1.8	14
39	Evaluation of a phenomenological elasticâ€plastic approach for magnesium alloys under multiaxial loading conditions. Fatigue and Fracture of Engineering Materials and Structures, 2019, 42, 2468-2486.	1.7	8
40	Failure analysis of a damaged diesel motor crankshaft. Engineering Failure Analysis, 2019, 102, 1-6.	1.8	27
41	Failure mode analysis of a 1.9 turbo diesel engine crankshaft. Engineering Failure Analysis, 2019, 101, 394-406.	1.8	17
42	Failure of polymer coated nylon parts produced by additive manufacturing. Engineering Failure Analysis, 2019, 101, 485-492.	1.8	27
43	European offshore wind capital cost trends up to 2020. Energy Policy, 2019, 129, 1364-1371.	4.2	32
44	Failure analysis of cylinder head studs of a four stroke marine diesel engine. Engineering Failure Analysis, 2019, 101, 298-308.	1.8	21
45	Ultrasonic fatigue testing under multiaxial loading conditions on a railway wheel. MATEC Web of Conferences, 2019, 300, 18003.	0.1	1
46	A railway wheel evaluation under multiaxial loading conditions. MATEC Web of Conferences, 2019, 300, 09002.	0.1	0
47	Ultrasonic fatigue experiments with biaxial cruciform specimens. MATEC Web of Conferences, 2019, 300, 18004.	0.1	0
48	Guest editorial: Special issueâ€"New trends in fatigue and fracture (NT2F18). Fatigue and Fracture of Engineering Materials and Structures, 2019, 42, 2413-2413.	1.7	1
49	Path discussion for offshore wind in Portugal up to 2030. Marine Policy, 2019, 100, 122-131.	1.5	8
50	Effect of protective coatings on the water absorption and mechanical properties of 3D printed PLA. Frattura Ed Integrita Strutturale, 2019, 13, 748-756.	0.5	23
51	Characterisation and Evaluation of the Mechanical Behaviour of Endodontic-grade NiTi Wires. Frattura Ed Integrita Strutturale, 2019, 13, 450-462.	0.5	2
52	Investigating the contribution of geometry on the failure of cellular core structures obtained by additive manufacturing. Frattura Ed Integrita Strutturale, 2019, 13, 478-486.	0.5	8
53	Damage evaluation under complex fatigue loading conditions. Frattura Ed Integrita Strutturale, 2019, 13, 318-331.	0.5	1
54	Flexural testing and analysis of full-strain-fields in sandwich composites. Frattura Ed Integrita Strutturale, 2019, 13, 568-585.	0.5	0

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55	Numerical analysis of vhcf cruciform test specimens with non-unitary biaxiality ratios. International Journal of Computational Methods and Experimental Measurements, 2019, 7, 327-339.	0.1	3
56	A new risk prioritization model for failure mode and effects analysis. Quality and Reliability Engineering International, 2018, 34, 516-528.	1.4	46
57	Effect of surface treatment on adhesively bonded aluminium-aluminium joints regarding aeronautical structures. Engineering Failure Analysis, 2018, 84, 34-45.	1.8	53
58	Fatigue life of a railway wheel under uniaxial and multiaxial loadings. Procedia Structural Integrity, 2018, 13, 1786-1791.	0.3	5
59	Fatigue life assessment of a railway wheel material under HCF and VHCF conditions. MATEC Web of Conferences, 2018, 165, 09003.	0.1	11
60	Evaluating lock gates' strength due to ship collisions: A Douro waterway lock gates case study. Marine Structures, 2018, 60, 261-278.	1.6	5
61	Failure mode analysis of a diesel motor crankshaft. Engineering Failure Analysis, 2017, 82, 681-686.	1.8	26
62	New specimen and horn design for combined tension and torsion ultrasonic fatigue testing in the very high cycle fatigue regime. International Journal of Fatigue, 2017, 103, 248-257.	2.8	27
63	Stress scale factor and critical plane models under multiaxial proportional loading histories. Engineering Fracture Mechanics, 2017, 174, 104-116.	2.0	13
64	Fatigue damage assessment under random and variable amplitude multiaxial loading conditions in structural steels. International Journal of Fatigue, 2017, 100, 591-601.	2.8	20
65	Optimal Cruciform Specimen Design Using the Direct Multi-search Method and Design Variable Influence Study. Procedia Structural Integrity, 2017, 5, 659-666.	0.3	5
66	The damage scale concept and the critical plane approach. Fatigue and Fracture of Engineering Materials and Structures, 2017, 40, 1240-1250.	1.7	9
67	Characterization and evaluation of the mechanical behaviour of the magnesium alloy AZ31B in multiaxial fatigue in the presence of a notch. Procedia Structural Integrity, 2016, 1, 197-204.	0.3	3
68	Mechanical behaviour of dental implants. Procedia Structural Integrity, 2016, 1, 26-33.	0.3	26
69	Failure mode analysis of two diesel engine crankshafts. Procedia Structural Integrity, 2016, 1, 313-318.	0.3	19
70	XV Portuguese Conference on Fracture - Editorial. Procedia Structural Integrity, 2016, 1, 1.	0.3	0
71	Single lap shear stress in hybrid CFRP/Steel composites. Procedia Structural Integrity, 2016, 1, 58-65.	0.3	6
72	Rotary Fatigue Testing to Determine the Fatigue Life of NiTi alloy Wires: An Experimental and Numerical Analisys. Procedia Structural Integrity, 2016, 1, 34-41.	0.3	5

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73	Selective laser melting (SLM) and topology optimization for lighter aerospace componentes. Procedia Structural Integrity, 2016, 1, 289-296.	0.3	149
74	Failure analysis in railway wheels. Procedia Structural Integrity, 2016, 1, 212-217.	0.3	11
75	Torsional and axial damping properties of the AZ31B-F magnesium alloy. Mechanical Systems and Signal Processing, 2016, 79, 112-122.	4.4	13
76	Mechanical behavior of basalt fibers in a basalt-UP composite. Procedia Structural Integrity, 2016, 1, 82-89.	0.3	28
77	Finite element prediction of stress-strain fields on sandwich composites. Procedia Structural Integrity, 2016, 1, 66-73.	0.3	7
78	XV Portuguese Conference on Fracture (XV PCF). Theoretical and Applied Fracture Mechanics, 2016, 85, 1.	2.1	1
79	Numerical study of in-plane biaxial fatigue crack growth with different phase shift angle loadings on optimal specimen geometries. Theoretical and Applied Fracture Mechanics, 2016, 85, 16-25.	2.1	20
80	Experimental characterization of the mechanical properties of railway wheels manufactured using class C material. Theoretical and Applied Fracture Mechanics, 2016, 85, 134-139.	2.1	6
81	Strain measurements on specimens subjected to biaxial ultrasonic fatigue testing. Theoretical and Applied Fracture Mechanics, 2016, 85, 2-8.	2.1	11
82	Determination of the rotary fatigue life of NiTi alloy wires. Theoretical and Applied Fracture Mechanics, 2016, 85, 37-44.	2.1	6
83	Performance evaluation of dental implants: An experimental and numerical simulation study. Theoretical and Applied Fracture Mechanics, 2016, 85, 74-83.	2.1	18
84	Fatigue crack growth under cyclic torsional loading. Theoretical and Applied Fracture Mechanics, 2016, 85, 56-66.	2.1	15
85	Bonded joints of dissimilar adherends at very low temperatures - An adhesive selection approach. Theoretical and Applied Fracture Mechanics, 2016, 85, 99-112.	2.1	16
86	Energy rating methodology for light-duty vehicles: geographical impact. Environment, Development and Sustainability, 2016, 18, 1501-1519.	2.7	4
87	Numerical study of fatigue crack initiation and propagation on optimally designed cruciform specimens. Procedia Structural Integrity, 2016, 1, 98-105.	0.3	10
88	Galvanic corrosion of aircraft bonded joints as a result of adhesive microcracks. Procedia Structural Integrity, 2016, 1, 218-225.	0.3	11
89	Barrier for buildings: analysis of mechanical resistance requirements. Procedia Structural Integrity, 2016, 1, 281-288.	0.3	3
90	Preliminary evaluation of the loading characteristics of biaxial tests at low and very high frequencies. Procedia Structural Integrity, 2016, 1, 205-211.	0.3	1

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91	Experimental characterization of the mechanical properties of railway wheels manufactured using class B material. Procedia Structural Integrity, 2016, 1, 265-272.	0.3	10
92	Research on fatigue crack propagation in CT specimens subjected to loading modes I, II or III. Procedia Structural Integrity, 2016, 1, 134-141.	0.3	5
93	Development of a Very High Cycle Fatigue (VHCF) multiaxial testing device. Frattura Ed Integrita Strutturale, 2016, 10, 131-137.	0.5	14
94	On the assessment of multiaxial fatigue damage under variable amplitude loading. Frattura Ed Integrita Strutturale, 2016, 10, 124-130.	0.5	0
95	Comparison between SSF and Critical-Plane models to predict fatigue lives under multiaxial proportional load histories. Frattura Ed Integrita Strutturale, 2016, 10, 121-127.	0.5	0
96	Rotary Fatigue Testing Machine to Determine the Fatigue Life of NiTi alloy Wires and Endondontic Files. Procedia Engineering, 2015, 114, 500-505.	1.2	4
97	Multiaxial Fatigue Damage Accumulation under Variable Amplitude Loading Conditions. Procedia Engineering, 2015, 101, 117-125.	1.2	5
98	Failure analysis of the guide vanes of the Pico Wave Power Plant Wells turbine. Engineering Failure Analysis, 2015, 56, 98-108.	1.8	5
99	Asynchronous Multiaxial Fatigue Damage Evaluation. Procedia Engineering, 2015, 101, 421-429.	1.2	5
100	Failure mode analysis of two crankshafts of a single cylinder diesel engine. Engineering Failure Analysis, 2015, 56, 185-193.	1.8	34
101	On the assessment of fatigue life of marine diesel engine crankshafts. Engineering Failure Analysis, 2015, 56, 51-57.	1.8	56
102	Crankshaft failure analysis of a boxer diesel motor. Engineering Failure Analysis, 2015, 56, 109-115.	1.8	30
103	Optimization of cruciform specimens for biaxial fatigue loading with direct multi search. Theoretical and Applied Fracture Mechanics, 2015, 80, 65-72.	2.1	41
104	Fatigue crack growth under rotating bending loading on aluminium alloy 7075-T6 and the effect of a steady torsion. Theoretical and Applied Fracture Mechanics, 2015, 80, 57-64.	2.1	21
105	Welding assessment of a damaged crane pedestal of a container ship. CiÃªncia & Tecnologia Dos Materiais, 2015, 27, 10-14.	0.5	2
106	Random accumulated damage evaluation under multiaxial fatigue loading conditions. Frattura Ed Integrita Strutturale, 2015, 9, 309-318.	0.5	2
107	Influence of the Wave Form on the Material Response Delay. Shock and Vibration, 2014, 2014, 1-8.	0.3	0
108	Competitiveness of chitosan-based implants. CiÃªncia & Tecnologia Dos Materiais, 2014, 26, 77-88.	0.5	1

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109	Fatigue Behaviour of Aluminium Lap Joints Produced by Laser Beam and Friction Stir Welding. Procedia Engineering, 2014, 74, 293-296.	1.2	9
110	Minimum Circumscribed Ellipse (MCE) and Stress Scale Factor (SSF) criteria for multiaxial fatigue life assessment. Theoretical and Applied Fracture Mechanics, 2014, 73, 109-119.	2.1	19
111	Design optimization of cruciform specimens for biaxial fatigue loading. Frattura Ed Integrita Strutturale, 2014, 8, 118-126.	0.5	12
112	Evaluation of the AZ31 cyclic elastic-plastic behaviour under multiaxial loading conditions. Frattura Ed Integrita Strutturale, 2014, 8, 282-292.	0.5	3
113	The effect of steady torsion on fatigue crack growth under rotating bending loading on aluminium alloy 7075-T6. Frattura Ed Integrita Strutturale, 2014, 8, 360-368.	0.5	5
114	New approach to evaluate nonâ€proportionality in multiaxial loading conditions. Fatigue and Fracture of Engineering Materials and Structures, 2014, 37, 1338-1354.	1.7	26
115	A damage parameter for HCF and VHCF based on hysteretic damping. International Journal of Fatigue, 2014, 62, 2-9.	2.8	20
116	A multiaxial fatigue approach to Rolling Contact Fatigue in railways. International Journal of Fatigue, 2014, 67, 191-202.	2.8	33
117	New approach for analysis of complex multiaxial loading paths. International Journal of Fatigue, 2014, 62, 21-33.	2.8	50
118	New cycle counting method for multiaxial fatigue. International Journal of Fatigue, 2014, 67, 78-94.	2.8	39
119	Failure analysis of landing gears trunnions due to service. Engineering Failure Analysis, 2014, 41, 118-123.	1.8	22
120	Biaxial high-cycle fatigue life assessment of ductile aluminium cruciform specimens. Theoretical and Applied Fracture Mechanics, 2014, 73, 82-90.	2.1	36
121	Fatigue Crack Growth under Mode I, II and III for Plane-strain and Plane-stress Conditions. Procedia Engineering, 2014, 74, 232-235.	1.2	3
122	In vitro assessment of three dimensional dense chitosan-based structures to be used as bioabsorbable implants. Journal of the Mechanical Behavior of Biomedical Materials, 2014, 40, 413-425.	1.5	17
123	Crack path evaluation on HC and BCC microstructures under multiaxial cyclic loading. International Journal of Fatigue, 2014, 58, 102-113.	2.8	22
124	In-Plane Biaxial Fatigue Testing Machine Powered by Linear Iron-Core Motors. , 2014, , 63-79.		9
125	Automation in Strain and Temperature Control on VHCF with an Ultrasonic Testing Facility. , 2014, , 80-100.		5
126	Crankshaft failure analysis of a motor vehicle. Engineering Failure Analysis, 2013, 35, 147-152.	1.8	35

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127	A New Concept for a Wheel-Embedded Assembly for Electric Vehicles. Journal of Mechanical Design, Transactions of the ASME, 2013, 135, .	1.7	0
128	Effect of the Strain Rate on the Twisting of Trabecular Bone from Women with Hip Fracture. Journal of Biomechanical Engineering, 2013, 135, 121005.	0.6	5
129	Trends in Bioabsorbable Osteosynthesis Devices: Introduction to a Novel Production Process of Chitosan-Based Implants. Journal of Chitin and Chitosan Science, 2013, 1, 210-220.	0.3	5
130	Characterizing the Cyclic Behaviour of Extruded AZ31 Magnesium Alloy. Materials Science Forum, 2012, 730-732, 727-732.	0.3	0
131	CHAPTER 6. Natural Fibre Composites: Automotive Applications. RSC Green Chemistry, 2012, , 118-139.	0.0	7
132	GFRP sandwich panels with PU foam and PP honeycomb cores for civil engineering structural applications. International Journal of Structural Integrity, 2012, 3, 127-147.	1.8	48
133	Failure analysis of a gear wheel of a marine azimuth thruster. Engineering Failure Analysis, 2011, 18, 1884-1888.	1.8	19
134	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.	2.0	29
135	Damage Accumulation Due to Sequential Loading Effect. Procedia Engineering, 2011, 10, 1396-1401.	1.2	1
136	Cork composites and their role in sustainable development. Procedia Engineering, 2011, 10, 3214-3219.	1.2	12
137	Ecodesign of automotive components making use of natural jute fiber composites. Journal of Cleaner Production, 2010, 18, 313-327.	4.6	502
138	Suitability of Corkrubber Gaskets in Gasoline-Ethanol Blends. Materials Science Forum, 2010, 636-637, 266-272.	0.3	1
139	Multiaxial loadings with different frequencies between axial and torsional components in 42CrMo4 steel. International Journal of Structural Integrity, 2010, 1, 303-313.	1.8	2
140	3D-modelling of the local plastic deformation and residual stresses of PM diamondâ€“metal matrix composites. Computational Materials Science, 2010, 47, 1023-1030.	1.4	12
141	Modification of Hydrogel Scaffolds for the Modulation of Corneal Epithelial Cell Responses. IFMBE Proceedings, 2010, , 175-179.	0.2	0
142	Push-to-Talk in IMS Mobile Environment. , 2009, , .		3
143	Mechanical Behavior of Sandwich Structures using Natural Cork Agglomerates as Core Materials. Journal of Sandwich Structures and Materials, 2009, 11, 487-500.	2.0	48
144	Failures analysis of compressor blades of aeroengines due to service. Engineering Failure Analysis, 2009, 16, 1118-1125.	1.8	27

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145	Comparative study of multiaxial fatigue damage models for ductile structural steels and brittle materials. International Journal of Fatigue, 2009, 31, 1895-1906.	2.8	67
146	Crack initiation and growth path under multiaxial fatigue loading in structural steels. International Journal of Fatigue, 2009, 31, 1660-1668.	2.8	57
147	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.	2.1	11
148	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.	1.7	28
149	Comparative study on biaxial low-cycle fatigue behaviour of three structural steels. Fatigue and Fracture of Engineering Materials and Structures, 2006, 29, 992-999.	1.7	30
150	The effect of steady torsion on fatigue crack growth in shafts. International Journal of Fatigue, 2006, 28, 609-617.	2.8	41
151	Simulation of cyclic stress/strain evolutions for multiaxial fatigue life prediction. International Journal of Fatigue, 2006, 28, 451-458.	2.8	61
152	Multiaxial mixed-mode cracking â€“ small crack initiation and propagation*. Materialpruefung/Materials Testing, 2006, 48, 36-43.	0.8	0
153	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.	1.7	20
154	Methodology for fatigue life assessment of the structural integrity of fighter aircraft. Fatigue and Fracture of Engineering Materials and Structures, 2004, 27, 873-877.	1.7	5
155	Biaxial fatigue for proportional and nonâ€proportional loading paths. Fatigue and Fracture of Engineering Materials and Structures, 2004, 27, 775-784.	1.7	11
156	Numerical evaluation of failure mechanisms on composite specimens subjected to impact loading. Composites Part B: Engineering, 2000, 31, 199-207.	5.9	62
157	Failure mechanisms on composite specimens subjected to compression after impact. Composite Structures, 1998, 42, 365-373.	3.1	139
158	Damage growth analysis of low velocity impacted composite panels. Composite Structures, 1997, 38, 509-515.	3.1	62
159	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
160	Mechanical Behaviour of Sandwich Beams Manufactured with Glass or Jute Fiber in Facings and Cork Agglomerates as Core. Materials Science Forum, 0, 636-637, 245-252.	0.3	6
161	Effect of Non-Proportionality in the Fatigue Strength of 42CrMo4 Steel. Materials Science Forum, 0, 730-732, 757-762.	0.3	0
162	AZ31 Magnesium Alloy Multiaxial LCF Behavior: Theory, Simulation and Experiments. Advanced Materials Research, 0, 891-892, 1366-1371.	0.3	2

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163	A New Criterion for Evaluating Multiaxial Fatigue Damage under Multiaxial Random Loading Conditions. Advanced Materials Research, 0, 891-892, 1360-1365.	0.3	5
164	The effect of geometry on the flexural properties of cellular core structures. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 0, , 146442071880551.	0.7	10