

Abã-lio De Jesus

List of Publications by Year in descending order

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245
papers

5,493
citations

66315

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62
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255
all docs

255
docs citations

255
times ranked

2589
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances on size effect in metal fatigue under defects: a review. International Journal of Fracture, 2022, 234, 21-43.	1.1	52
2	Machinability of the 18Ni300 Additively Manufactured Maraging Steel Based on Orthogonal Cutting Tests. Lecture Notes in Mechanical Engineering, 2022, , 1-13.	0.3	4
3	An approach for predicting fatigue life of CFRP retrofitted metallic structural details. International Journal of Fatigue, 2022, 154, 106557.	2.8	13
4	Fatigue Assessment of Inconel 625 Produced by Directed Energy Deposition from Miniaturized Specimens. Metals, 2022, 12, 156.	1.0	8
5	Numerical analysis and discussion on the hot-spot stress concept applied to welded tubular KT joints. Engineering Failure Analysis, 2022, 135, 106092.	1.8	9
6	Automation of Property Acquisition of Single Track Depositions Manufactured through Direct Energy Deposition. Applied Sciences (Switzerland), 2022, 12, 2755.	1.3	1
7	A Methodology for Tribo-Mechanical Characterization of Metallic Alloys under Extreme Loading and Temperature Conditions Typical of Metal Cutting Processes. Journal of Manufacturing and Materials Processing, 2022, 6, 46.	1.0	2
8	Comparison between brittle and ductile adhesives in CFRP/steel joints. Procedia Structural Integrity, 2022, 37, 1043-1048.	0.3	5
9	Fatigue Failure of 51CrV4 Steel Under Rotating Bending and Tensile. Structural Integrity, 2022, , 307-313.	0.8	3
10	Fatigue in Trapezoidal Leaf Springs of Suspensions in Two-Axle Wagons – An Overview and Simulation. Structural Integrity, 2022, , 97-114.	0.8	1
11	Fatigue crack growth modelling by means of the strain energy density-based Huffman model considering the residual stress effect. Engineering Failure Analysis, 2022, 140, 106543.	1.8	5
12	Numerical study of fatigue damage under random loading using Rainflow cycle counting. International Journal of Structural Integrity, 2021, 12, 408-418.	1.8	33
13	Fatigue Assessments of a Jacket-Type Offshore Structure Based on Static and Dynamic Analyses. Practice Periodical on Structural Design and Construction, 2021, 26, .	0.7	12
14	Fatigue strength assessment of riveted details in railway metallic bridges. Engineering Failure Analysis, 2021, 121, 105120.	1.8	10
15	Evaluation of multiaxial high-cycle fatigue criteria under proportional loading for S355 steel. Engineering Failure Analysis, 2021, 120, 105037.	1.8	29
16	Mechanical Properties, Microstructure and Degradation Processes in Long-Term Operated Bridge Materials from the 19th Century and Early 20th Century. Structural Integrity, 2021, , 21-53.	0.8	2
17	Introduction to the Degradation Theory of Low Carbon Steels. Structural Integrity, 2021, , 1-19.	0.8	2
18	Contact stress analysis and fatigue life prediction of turbine disc – blade attachment with fir tree tenon structure. Fatigue and Fracture of Engineering Materials and Structures, 2021, 44, 1014-1026.	1.7	10

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19	Case Studies: Structural, Fractographic and Mechanical Aspects of the Steels Degradation of the Hyperboloid Gridshell Towers. <i>Structural Integrity</i> , 2021, , 95-125.	0.8	5
20	Sensitivity of Puddled Steels to Stress Corrosion Cracking and Estimation of Their State with Using Electrochemical Parameters. <i>Structural Integrity</i> , 2021, , 55-93.	0.8	4
21	Fatigue performance prediction of S235 base steel plates in the riveted connections. <i>Structures</i> , 2021, 30, 745-755.	1.7	16
22	Fatigue assessment of EA4T railway axles under artificial surface damage. <i>International Journal of Fatigue</i> , 2021, 146, 106157.	2.8	25
23	Comparison of the machinability of the 316L and 18Ni300 additively manufactured steels based on turning tests. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2021, 235, 2207-2226.	0.7	1
24	An Efficient Methodology towards Mechanical Characterization and Modelling of 18Ni300 AMed Steel in Extreme Loading and Temperature Conditions for Metal Cutting Applications. <i>Journal of Manufacturing and Materials Processing</i> , 2021, 5, 83.	1.0	5
25	Probabilistic S-N curves for CFRP retrofitted steel details. <i>International Journal of Fatigue</i> , 2021, 148, 106205.	2.8	26
26	Numerical-Experimental Plastic-Damage Characterisation of Additively Manufactured 18Ni300 Maraging Steel by Means of Multiaxial Double-Notched Specimens. <i>Journal of Manufacturing and Materials Processing</i> , 2021, 5, 84.	1.0	3
27	Fatigue and damage tolerance assessment of induction hardened S38C axles under different foreign objects. <i>International Journal of Fatigue</i> , 2021, 149, 106276.	2.8	24
28	Probabilistic strain-fatigue life performance based on stochastic analysis of structural and WAAM-stainless steels. <i>Engineering Failure Analysis</i> , 2021, 127, 105495.	1.8	23
29	Low-cycle fatigue modelling supported by strain energy density-based Huffman model considering the variability of dislocation density. <i>Engineering Failure Analysis</i> , 2021, 128, 105608.	1.8	11
30	The Master S-N curve approach for fatigue assessment of welded bridge structural details. <i>International Journal of Fatigue</i> , 2021, 152, 106432.	2.8	23
31	Application and discussion of various crack closure models to predict fatigue crack growth in 6061-T651 aluminium alloy. <i>International Journal of Fatigue</i> , 2021, 153, 106472.	2.8	9
32	Global-local fatigue approaches for snug-tight and preloaded hot-dip galvanized steel bolted joints. <i>International Journal of Fatigue</i> , 2021, 153, 106486.	2.8	8
33	A finite element post-processor for fatigue assessment of welded structures based on the Master S-N curve method. <i>International Journal of Fatigue</i> , 2021, 153, 106482.	2.8	12
34	Degradation Theory of Long Term Operated Materials and Structures. <i>Structural Integrity</i> , 2021, , .	0.8	8
35	Fatigue Behavior of Metallic Components Obtained by Topology Optimization for Additive Manufacturing. <i>Frattura Ed Integrita Strutturale</i> , 2021, 15, 119-135.	0.5	3
36	A brief review of fatigue design criteria on offshore wind turbine support structures. <i>Frattura Ed Integrita Strutturale</i> , 2021, 15, 302-315.	0.5	4

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37	Distortion-Induced Fatigue Reassessment of a Welded Bridge Detail Based on Structural Stress Methods. <i>Metals</i> , 2021, 11, 1952.	1.0	3
38	Mechanical response of three semi crystalline polymers under different stress states: Experimental investigation and modelling. <i>Polymer Testing</i> , 2020, 81, 106156.	2.3	8
39	Experimental study on fretting-fatigue of bridge cable wires. <i>International Journal of Fatigue</i> , 2020, 131, 105321.	2.8	52
40	Renewable Energy and Oceanic Structures: Part IV. Proceedings of the Institution of Civil Engineers: Maritime Engineering, 2020, 173, 31-32.	1.4	2
41	Applying the Weibull and Ståhssi Methods that Derive Reliable Wöhler Curves to Historical German Bridges. <i>Practice Periodical on Structural Design and Construction</i> , 2020, 25, .	0.7	11
42	Numerical study of fatigue damage under random loading using rainflow cycle counting. <i>International Journal of Structural Integrity</i> , 2020, 12, 149-162.	1.8	25
43	Minimal Invasive Diagnostic Capabilities and Effectiveness of CFRP-Patches Repairs in Long-Term Operated Metals. <i>Metals</i> , 2020, 10, 984.	1.0	10
44	A fatigue damage evaluation using local damage parameters for an offshore structure. Proceedings of the Institution of Civil Engineers: Maritime Engineering, 2020, 173, 43-57.	1.4	21
45	Isodamage curve-based fatigue damage accumulation model considering the exhaustion of static toughness. <i>Engineering Failure Analysis</i> , 2020, 115, 104575.	1.8	24
46	Comparison between EDM and grinding machining on fatigue behaviour of AISI D2 tool steel. <i>International Journal of Fatigue</i> , 2020, 139, 105742.	2.8	7
47	Reliability assessment of measurement accuracy for FBG sensors used in structural tests of the wind turbine blades based on strain transfer laws. <i>Engineering Failure Analysis</i> , 2020, 112, 104506.	1.8	23
48	Experimental characterisation of fused filament fabrication printed parts under tension, shear, and combined shear-tension loads via Arcan test. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2020, 234, 835-850.	0.7	4
49	Reliability-based optimisation for offshore structures using saddlepoint approximation. Proceedings of the Institution of Civil Engineers: Maritime Engineering, 2020, 173, 33-42.	1.4	38
50	Advanced Simulation Tools Applied to Materials Development and Design Predictions. <i>Materials</i> , 2020, 13, 147.	1.3	6
51	Study of the Fatigue Crack Growth in Long-Term Operated Mild Steel under Mixed-Mode (I + II, I + III) Loading Conditions. <i>Materials</i> , 2020, 13, 160.	1.3	25
52	Machinability of PA12 and short fibre-reinforced PA12 materials produced by fused filament fabrication. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 107, 885-903.	1.5	18
53	Recent advances on notch effects in metal fatigue: A review. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2020, 43, 637-659.	1.7	144
54	Fatigue life prediction of metallic materials considering mean stress effects by means of an artificial neural network. <i>International Journal of Fatigue</i> , 2020, 135, 105527.	2.8	93

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55	Fatigue crack growth modelling of FÃ{o} Bridge puddle iron under variable amplitude loading. International Journal of Fatigue, 2020, 136, 105588.	2.8	25
56	Numerical determination of stress intensity factors: J-integral and modified virtual crack closure technique. Procedia Structural Integrity, 2020, 28, 146-154.	0.3	7
57	Multiaxial fatigue assessment of S355 steel in the high-cycle region by using SusmelÁs criterion. Procedia Structural Integrity, 2020, 28, 796-803.	0.3	2
58	Fatigue behaviour of bolted joints for rack structures. Procedia Structural Integrity, 2020, 28, 1426-1430.	0.3	1
59	Nonlinear fatigue damage accumulation: Isodamage curve-based model and life prediction aspects. International Journal of Fatigue, 2019, 128, 105185.	2.8	68
60	Study of the influence of notch radii and temperature on the probability of failure: A methodology to perform a combined assessment. Fatigue and Fracture of Engineering Materials and Structures, 2019, 42, 2663-2673.	1.7	6
61	PSO-BP Neural Network-Based Strain Prediction of Wind Turbine Blades. Materials, 2019, 12, 1889.	1.3	45
62	An Enhanced Reliability Index Method and Its Application in Reliability-Based Collaborative Design and Optimization. Mathematical Problems in Engineering, 2019, 2019, 1-10.	0.6	26
63	The renewed TC12/ESIS technical committee - Risk analysis and safety of large structures and components. Engineering Failure Analysis, 2019, 105, 798-802.	1.8	8
64	Editorial: Renewable Energy and Oceanic Structures: Part II. Proceedings of the Institution of Civil Engineers: Maritime Engineering, 2019, 172, 71-72.	1.4	7
65	Tribology of metal cutting: newly formed underside of chip. Procedia CIRP, 2019, 82, 136-141.	1.0	6
66	Mixed mode (I+II, I+III) fatigue crack growth description in S355/P355NL1 steel. Procedia Structural Integrity, 2019, 16, 51-58.	0.3	1
67	Probabilistic S-N fields based on statistical distributions applied to metallic and composite materials: State of the art. Advances in Mechanical Engineering, 2019, 11, 168781401987039.	0.8	71
68	Reliability analysis based on hybrid algorithm of M5 model tree and Monte Carlo simulation for corroded pipelines: Case of study X60 Steel grade pipes. Engineering Failure Analysis, 2019, 97, 793-803.	1.8	56
69	Editorial: Renewable Energy and Oceanic Structures: Part I. Proceedings of the Institution of Civil Engineers: Maritime Engineering, 2019, 172, 1-2.	1.4	13
70	Mechanical characterization of the AlSi9Cu3 cast alloy under distinct stress states and thermal conditions. Engineering Fracture Mechanics, 2019, 216, 106499.	2.0	7
71	Probabilistic modelling of notch fatigue and size effect of components using highly stressed volume approach. International Journal of Fatigue, 2019, 127, 110-119.	2.8	89
72	Fatigue cracking of welded railway bridges: A review. Engineering Failure Analysis, 2019, 104, 154-176.	1.8	51

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73	Probabilistic modeling of fatigue life distribution and size effect of components with random defects. International Journal of Fatigue, 2019, 126, 165-173.	2.8	114
74	Fatigue characterization of a beam-to-column riveted joint. Engineering Failure Analysis, 2019, 103, 95-123.	1.8	15
75	A Stress Intensity Factor Study for a Pressure Vessel CT Specimen Using Finite Element Method. Structural Integrity, 2019, , 181-186.	0.8	2
76	GA-BP Neural Network-Based Strain Prediction in Full-Scale Static Testing of Wind Turbine Blades. Energies, 2019, 12, 1026.	1.6	36
77	Fatigue Crack Growth Rate of the Long Term Operated Puddle Iron from the Eiffel Bridge. Metals, 2019, 9, 53.	1.0	13
78	Influence of fillet end geometry on fatigue behaviour of welded joints. International Journal of Fatigue, 2019, 123, 196-212.	2.8	33
79	Fatigue assessment based on hot-spot stresses obtained from the global dynamic analysis and local static sub-model. International Journal of Structural Integrity, 2019, 12, 31-47.	1.8	46
80	Alternative steel lattice structures for wind energy converters. International Journal of Structural Integrity, 2019, 12, 48-69.	1.8	8
81	Fatigue Damage Tool (FDT) - A tool for fatigue damage assessment according to design codes. Procedia Structural Integrity, 2019, 22, 376-385.	0.3	2
82	Sensitivity of reliability-based fatigue analysis to crack shape development in cracked pipeline. Procedia Structural Integrity, 2019, 22, 201-210.	0.3	4
83	Fatigue-fracture characterization of wood under mode I loading. International Journal of Fatigue, 2019, 121, 265-271.	2.8	6
84	Effect of secondary crystal orientations on the deformation anisotropy for nickel-based single-crystal plate with notch feature. Journal of Strain Analysis for Engineering Design, 2019, 54, 54-64.	1.0	7
85	Fatigue resistance curves for single and double shear riveted joints from old portuguese metallic bridges. Engineering Failure Analysis, 2019, 96, 255-273.	1.8	28
86	Fatigue Assessment of Critical Connections in a Historic Eyebar Suspension Bridge. Journal of Performance of Constructed Facilities, 2019, 33, .	1.0	18
87	Nonlinear fatigue damage accumulation and life prediction of metals: A comparative study. Fatigue and Fracture of Engineering Materials and Structures, 2019, 42, 1271-1282.	1.7	65
88	Influence of loading direction on the static and fatigue fracture properties of the long term operated metallic materials. Engineering Failure Analysis, 2019, 96, 409-425.	1.8	35
89	Yield behaviour of high-density polyethylene: Experimental and numerical characterization. Engineering Failure Analysis, 2019, 97, 331-353.	1.8	7
90	Efficient computational approach for fatigue assessment of riveted connections. Journal of Constructional Steel Research, 2019, 153, 1-18.	1.7	7

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91	Global-local fatigue assessment of an ancient riveted metallic bridge based on submodelling of the critical detail. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2019, 42, 546-560.	1.7	42
92	Elastoplastic and fracture behaviour of semi-crystalline polymers under multiaxial stress states. <i>Frattura Ed Integrita Strutturale</i> , 2019, 13, 82-103.	0.5	3
93	Monotonic and Fracture Behaviours of Bolted Connections with Distinct Bolt Preloads and Surface Treatments. <i>Frattura Ed Integrita Strutturale</i> , 2019, 13, 304-317.	0.5	9
94	A comparison between S-N Logistic and Kohout-Váchet formulations applied to the fatigue data of old metallic bridges materials. <i>Frattura Ed Integrita Strutturale</i> , 2019, 13, 400-410.	0.5	17
95	Fractography Study of the Mixed Mode Fatigue Crack Growth Process in Pressure Vessel P355NL1 Steel. , 2019, , .		0
96	Development of an efficient approach for fatigue crack initiation and propagation analysis of bridge critical details using the modal superposition technique. <i>Engineering Failure Analysis</i> , 2018, 89, 118-137.	1.8	20
97	Fatigue life evaluation of a composite steel-concrete roadway bridge through the hot-spot stress method considering progressive pavement deterioration. <i>Engineering Structures</i> , 2018, 166, 46-61.	2.6	32
98	Experimental and numerical investigation of mixed mode I+II and I+III fatigue crack growth in S355J0 steel. <i>International Journal of Fatigue</i> , 2018, 113, 160-170.	2.8	54
99	Damage behaviour of full-scale straight pipes under extreme cyclic bending conditions. <i>Journal of Constructional Steel Research</i> , 2018, 143, 97-109.	1.7	6
100	Improved manufacturing performance of a new antifriction composite parts based on copper. <i>Engineering Failure Analysis</i> , 2018, 91, 225-233.	1.8	16
101	Evaluation and comparison of critical plane criteria for multiaxial fatigue analysis of ductile and brittle materials. <i>International Journal of Fatigue</i> , 2018, 112, 279-288.	2.8	133
102	Structural integrity assessment of rigid polyurethane components using energy methods. <i>Procedia Structural Integrity</i> , 2018, 13, 1595-1599.	0.3	3
103	Structural Reliability Analysis of Corroded Pipeline made in X60 Steel Based on M5 Model Tree Algorithm and Monte Carlo Simulation. <i>Procedia Structural Integrity</i> , 2018, 13, 1670-1675.	0.3	15
104	A new local approach to cleavage fracture and its application in a reactor pressure vessel. <i>Procedia Structural Integrity</i> , 2018, 13, 2174-2179.	0.3	1
105	Recent developments on experimental techniques, fracture mechanics and fatigue approaches. <i>Journal of Strain Analysis for Engineering Design</i> , 2018, 53, 545-545.	1.0	4
106	Mixed mode (I+II) fatigue crack paths in S355J0 steel in terms of fractal geometry. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	5
107	Pre-Strain Effects on Mixed-Mode Fatigue Crack Propagation Behaviour of the P355NL1 Pressure Vessels Steel. , 2018, , .		2
108	Evaluation of Fatigue Design Curves for a Double-Side Welded Connection Used in Offshore Applications. , 2018, , .		7

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109	Probabilistic Fatigue Crack Initiation and Propagation Fields Using the Strain Energy Density. <i>Strength of Materials</i> , 2018, 50, 620-635.	0.2	16
110	Effect of lead on the machinability of brass alloys using polycrystalline diamond cutting tools. <i>Journal of Strain Analysis for Engineering Design</i> , 2018, 53, 602-615.	1.0	13
111	Energy response of S355 and 41Cr4 steel during fatigue crack growth process. <i>Journal of Strain Analysis for Engineering Design</i> , 2018, 53, 663-675.	1.0	34
112	Characterization of the mechanical behaviour of wooden construction materials from "loboira de cima". <i>International Journal of Structural Integrity</i> , 2018, 9, 396-410.	1.8	2
113	Fatigue assessment of a high-speed railway composite steel-concrete bridge by the hot-spot stress method. <i>International Journal of Structural Integrity</i> , 2018, 9, 337-354.	1.8	5
114	Fatigue crack growth of 42CrMo4 and 41Cr4 steels under different heat treatment conditions. <i>International Journal of Structural Integrity</i> , 2018, 9, 326-336.	1.8	11
115	Stress distributions and crack growth in riveted lap joints fastening thick steel plates. <i>Engineering Failure Analysis</i> , 2018, 91, 370-381.	1.8	22
116	Numerical analysis and structural intervention methodology for a wood floor of a medieval building. <i>International Journal of Structural Integrity</i> , 2018, 9, 307-325.	1.8	3
117	Fatigue crack growth rate in CFRP reinforced constructional old steel. <i>International Journal of Structural Integrity</i> , 2018, 9, 381-395.	1.8	18
118	CINPAR2016 "strengthening and repair of structures. <i>International Journal of Structural Integrity</i> , 2018, 9, 278-280.	1.8	2
119	Structural reliability of corroded pipeline using the so-called Separable Monte Carlo method. <i>Journal of Strain Analysis for Engineering Design</i> , 2018, 53, 730-737.	1.0	28
120	Fatigue analysis of a railway bridge based on fracture mechanics and local modelling of riveted connections. <i>Engineering Failure Analysis</i> , 2018, 94, 121-144.	1.8	47
121	Aerodynamic damping in cables of overhead transmission lines subjected to wind loads. <i>Wind Engineering</i> , 2018, 42, 268-275.	1.1	2
122	Wind energy technology (WINERCOST). <i>Wind Engineering</i> , 2018, 42, 267-267.	1.1	5
123	Computational framework for multiaxial fatigue life prediction of compressor discs considering notch effects. <i>Engineering Fracture Mechanics</i> , 2018, 202, 423-435.	2.0	89
124	Analysis of the fatigue life estimators of the materials using small samples. <i>Journal of Strain Analysis for Engineering Design</i> , 2018, 53, 699-710.	1.0	21
125	A methodology for a global-local fatigue analysis of ancient riveted metallic bridges. <i>International Journal of Structural Integrity</i> , 2018, 9, 355-380.	1.8	10
126	A methodology for probabilistic prediction of fatigue crack initiation taking into account the scale effect. <i>Engineering Fracture Mechanics</i> , 2017, 185, 101-113.	2.0	54

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127	Combined analytical-numerical methodologies for the evaluation of mixed-mode (I + II) fatigue crack growth rates in structural steels. <i>Engineering Fracture Mechanics</i> , 2017, 185, 124-138.	2.0	54
128	Mixed mode (I+II) fatigue crack growth in puddle iron. <i>Engineering Fracture Mechanics</i> , 2017, 185, 175-192.	2.0	46
129	Kinetics of fatigue crack growth and crack closure effect in long term operating steel manufactured at the turn of the 19 th and 20 th centuries. <i>Engineering Fracture Mechanics</i> , 2017, 185, 160-174.	2.0	32
130	A generalization of the fatigue Kohout-Váchet model for several fatigue damage parameters. <i>Engineering Fracture Mechanics</i> , 2017, 185, 284-300.	2.0	71
131	Simulation Studies of Turning of Aluminium Cast Alloy Using PCD Tools. <i>Procedia CIRP</i> , 2017, 58, 555-560.	1.0	8
132	Statistical evaluation of fatigue strength of double shear riveted connections and crack growth rates of materials from old bridges. <i>Engineering Fracture Mechanics</i> , 2017, 185, 241-257.	2.0	43
133	Application of the modal superposition technique combined with analytical elastoplastic approaches to assess the fatigue crack initiation on structural components. <i>Engineering Fracture Mechanics</i> , 2017, 185, 271-283.	2.0	16
134	Fatigue assessment of an existing steel bridge by finite element modelling and field measurements. <i>Journal of Physics: Conference Series</i> , 2017, 843, 012038.	0.3	8
135	Generalized probabilistic model allowing for various fatigue damage variables. <i>International Journal of Fatigue</i> , 2017, 100, 187-194.	2.8	112
136	Characterization of the Tensile Mechanical Behavior of Wooden Construction on Materials from Historic Building. <i>Procedia Structural Integrity</i> , 2017, 5, 1086-1091.	0.3	3
137	Energy description of fatigue crack growth process - theoretical and experimental approach. <i>Procedia Structural Integrity</i> , 2017, 5, 904-911.	0.3	7
138	Comparison Between Cemented Carbide and PCD Tools on Machinability of a High Silicon Aluminum Alloy. <i>Journal of Materials Engineering and Performance</i> , 2017, 26, 4638-4657.	1.2	17
139	Unified two-stage fatigue methodology based on a probabilistic damage model applied to structural details. <i>Theoretical and Applied Fracture Mechanics</i> , 2017, 92, 252-265.	2.1	42
140	Non-Destructive Structural Wood Diagnosis of a Medieval Building. <i>Procedia Structural Integrity</i> , 2017, 5, 1147-1152.	0.3	8
141	Mechanical Properties of Wood Construction Materials from a Building from the 19th Century. <i>Procedia Structural Integrity</i> , 2017, 5, 1097-1101.	0.3	7
142	ULCF assessment of X52 piping steel by means of cyclic bending tests. <i>Journal of Constructional Steel Research</i> , 2017, 138, 663-674.	1.7	7
143	Fatigue Strength Evaluation of Resin-Injected Bolted Connections Using Statistical Analysis. <i>Engineering</i> , 2017, 3, 795-805.	3.2	16
144	Fatigue of adhesively bonded epoxy-AA6061T651 joints. <i>International Journal of Structural Integrity</i> , 2017, 8, 707-724.	1.8	3

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145	Structural Characterization of 13th Century Building placed in Trãs-os-Montes Region. Procedia Structural Integrity, 2017, 5, 1136-1140.	0.3	3
146	Numerical Modelling of a Wood Pavement of a 13th Century Building. Procedia Structural Integrity, 2017, 5, 1141-1146.	0.3	3
147	Fatigue Life Evaluation of Critical Details of the Hercãlio Luz Suspension Bridge. Procedia Structural Integrity, 2017, 5, 1027-1034.	0.3	6
148	Petrographic Characterization of Partition Wall Mortars of a 19th Century Building. Procedia Structural Integrity, 2017, 5, 1092-1096.	0.3	3
149	Pathological Inspection of Structural Masonry Walls of a Late-Romantic Historical Building. Procedia Structural Integrity, 2017, 5, 1102-1107.	0.3	2
150	Improvement of the fatigue crack growth resistance in long term operated steel strengthened with CFRP patches. Procedia Structural Integrity, 2017, 5, 912-919.	0.3	9
151	NUMERICAL ANALYSIS OF A DOUBLE SHEAR STANDARD BOLTED CONNECTION CONSIDERING MONOTONIC LOADINGS. Engineering Structures and Technologies, 2017, 9, 183-194.	0.2	3
152	MECHANICAL CHARACTERIZATION OF ANCIENT PORTUGUESE RIVETED BRIDGES STEELS. Engineering Structures and Technologies, 2017, 9, 214-225.	0.2	3
153	Strain-based approach for fatigue crack propagation simulation of the 6061-T651 aluminium alloy. International Journal of Materials and Structural Integrity, 2017, 11, 1.	0.1	13
154	ICMFM18-Mechanical fatigue of metals. International Journal of Structural Integrity, 2017, 8, 614-616.	1.8	2
155	A probabilistic approach for multiaxial fatigue criteria. Frattura Ed Integrita Strutturale, 2017, 11, 160-165.	0.5	13
156	Fatigue crack propagation prediction of a pressure vessel mild steel based on a strain energy density model. Frattura Ed Integrita Strutturale, 2017, 11, 74-84.	0.5	22
157	Probabilistic fatigue S-N curves derivation for notched components. Frattura Ed Integrita Strutturale, 2017, 11, 105-118.	0.5	19
158	Statistical analysis of fatigue crack propagation data of materials from ancient portuguese metallic bridges. Frattura Ed Integrita Strutturale, 2017, 11, 136-146.	0.5	7
159	STRUCTURAL INTEGRITY OF MATERIALS AND STRUCTURES. Engineering Structures and Technologies, 2017, 9, 157-157.	0.2	2
160	Crack Closure Effects on Fatigue Crack Propagation Rates: Application of a Proposed Theoretical Model. Advances in Materials Science and Engineering, 2016, 2016, 1-11.	1.0	49
161	Ultra-Low-Cycle Fatigue Behavior of Full-Scale Straight Pipes Under Alternating Bending. , 2016, , .		1
162	Fatigue assessment of steel half-pipes bolted connections using local approaches. Procedia Structural Integrity, 2016, 1, 118-125.	0.3	4

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163	Proposal of a fatigue crack propagation model taking into account crack closure effects using a modified CCS crack growth model. <i>Procedia Structural Integrity</i> , 2016, 1, 110-117.	0.3	16
164	Fatigue life prediction based on an equivalent initial flaw size approach and a new normalized fatigue crack growth model. <i>Engineering Failure Analysis</i> , 2016, 69, 15-28.	1.8	74
165	A new ultra-low cycle fatigue model applied to the X60 piping steel. <i>International Journal of Fatigue</i> , 2016, 93, 201-213.	2.8	21
166	Mixed Mode (I+II) Fatigue Crack Growth of Long Term Operating Bridge Steel. <i>Procedia Engineering</i> , 2016, 160, 262-269.	1.2	16
167	Application of Modal Superposition Technique in the Fatigue Analysis Using Local Approaches. <i>Procedia Engineering</i> , 2016, 160, 45-52.	1.2	7
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