Jos Antnio Fonseca de Oliveira Correia

List of Publications by Year in Descending Order

213 papers	3,026 citations	32 h-index	44 g-index
232 ext. papers	3,830 ext. citations	2.2 avg, IF	6.15 L-index

#	Paper	IF	Citations
213	Enhanced Fatigue Life of Old Metallic Bridges: Application of Preloaded Injection Bolts. *RILEM Bookseries*, **2022**, 197-208	0.5	0
212	Reliability Analysis Based Improved Directional Simulation Using Harris Hawks Optimization Algorithm for Engineering Systems. *Engineering Failure Analysis*, **2022**, 135, 106148	3.2	3
211	Numerical analysis and discussion on the hot-spot stress concept applied to welded tubular KT joints. *Engineering Failure Analysis*, **2022**, 135, 106092	3.2	2
210	Probabilistic fatigue modelling of metallic materials under notch and size effect using the weakest link theory. *International Journal of Fatigue*, **2022**, 159, 106788	5	11
209	Horizontal and vertical axis wind turbines on existing jacket platforms: Part 2 – Retrofitting activities. *Structures*, **2022**, 40, 109-126	3.4	1
208	Fatigue Damage Simulation of a Metal Sandwich Panel Under Four-Point Bending Conditions. *Structural Integrity*, **2022**, 29-37	0.2	0
207	Influence of Heat Treatment Temperature on Fatigue Toughness in Medium-Carbon High-Strength Steels. *Structural Integrity*, **2022**, 283-289	0.2	
206	Fatigue Failure of 51CrV4 Steel Under Rotating Bending and Tensile. *Structural Integrity*, **2022**, 307-313	0.2	
205	Fatigue in Trapezoidal Leaf Springs of Suspensions in Two-Axle Wagons: An Overview and Simulation. *Structural Integrity*, **2022**, 97-114	0.2	
204	Mesh Size Effects on Fracture Locus of High Strength Bolts: A Mesoscale Critical Equivalent Plastic Strain (MCEPS) Approach. *Engineering Failure Analysis*, **2022**, 106385	3.2	0
203	Probabilistic fatigue assessment of notched components under size effect using generalized weakest-link model. *International Journal of Fatigue*, **2022**, 107005	5	0
202	Fatigue Behavior of Metallic Components Obtained by Topology Optimization for Additive Manufacturing. *Frattura Ed Integrita Strutturale*, **2021**, 15, 119-135	0.9	1
201	A brief review of fatigue design criteria on offshore wind turbine support structures. *Frattura Ed Integrita Strutturale*, **2021**, 15, 302-315	0.9	2
200	Fatigue crack growth modelling for cracked small-scale structural details repaired with CFRP. *Thin-Walled Structures*, **2021**, 161, 107525	4.7	9
199	Analysis of the Deceleration Methods of Fatigue Crack Growth Rates under Mode I Loading Type in Pearlitic Rail Steel. *Metals*, **2021**, 11, 584	2.3	1
198	Fatigue performance prediction of S235 base steel plates in the riveted connections. *Structures*, **2021**, 30, 745-755	3.4	7
197	Fatigue assessment of EA4T railway axles under artificial surface damage. *International Journal of Fatigue*, **2021**, 146, 106157	5	11

196	Fatigue experimental characterization of preloaded injection bolts in a metallic bridge strengthening scenario. *Engineering Structures*, **2021**, 234, 112005	4.7	1
195	Numerical study of fatigue damage under random loading using Rainflow cycle counting. *International Journal of Structural Integrity*, **2021**, 12, 408-418	1	15
194	Corrosion fatigue and electrochemical behaviour of steel wires used in bridge cables. *Fatigue and Fracture of Engineering Materials and Structures*, **2021**, 44, 63-73	3	14
193	Fatigue Assessments of a Jacket-Type Offshore Structure Based on Static and Dynamic Analyses. *Practice Periodical on Structural Design and Construction*, **2021**, 26, 04020054	1.2	8
192	Three-dimensional fatigue crack propagation simulation using extended finite element methods for steel grades S355 and S690 considering mean stress effects. *Engineering Structures*, **2021**, 227, 111414	4.7	34
191	Fatigue strength assessment of riveted details in railway metallic bridges. *Engineering Failure Analysis*, **2021**, 121, 105120	3.2	6
190	Fracture evaluation of ultra-high-performance fiber reinforced concrete (UHPFRC). *Engineering Failure Analysis*, **2021**, 120, 105076	3.2	3
189	Evaluation of multiaxial high-cycle fatigue criteria under proportional loading for S355 steel. *Engineering Failure Analysis*, **2021**, 120, 105037	3.2	12
188	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	0.2	0
187	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	3	3
186	Sensitivity of Puddled Steels to Stress Corrosion Cracking and Estimation of Their State with Using Electrochemical Parameters. *Structural Integrity*, **2021**, 55-93	0.2	0
185	Ductile fracture locus identification using mesoscale critical equivalent plastic strain. *Fatigue and Fracture of Engineering Materials and Structures*, **2021**, 44, 1292-1304	3	7
184	Numerical simulation of concrete creep behaviour using integral creep algorithm with alternating stresses. *Structures*, **2021**, 29, 1979-1987	3.4	3
183	Probabilistic S-N curves for CFRP retrofitted steel details. *International Journal of Fatigue*, **2021**, 148, 106205	5	9
182	Novel efficient method for structural reliability analysis using hybrid nonlinear conjugate map-based support vector regression. *Computer Methods in Applied Mechanics and Engineering*, **2021**, 381, 113818	5.7	10
181	Horizontal and vertical axis wind turbines on existing jacket platforms: Part 1 – A comparative study. *Structures*, **2021**, 32, 1069-1080	3.4	2
180	Probabilistic strain-fatigue life performance based on stochastic analysis of structural and WAAM-stainless steels. *Engineering Failure Analysis*, **2021**, 127, 105495	3.2	8
179	An approach for predicting fatigue life of CFRP retrofitted metallic structural details. *International Journal of Fatigue*, **2021**, 154, 106557	5	2

178	Impact of hardness on the fracture and tear characterization of rigid pur materials used in suspension systems of vehicles. *Engineering Failure Analysis*, **2021**, 127, 105510	3.2	1
177	Fatigue life of preloaded injection bolts in a bridge strengthening scenario sensitivity analysis of fatigue life estimators. *Ce/Papers*, **2021**, 4, 125-130	0.3	
176	Low-cycle fatigue modelling supported by strain energy density-based Huffman model considering the variability of dislocation density. *Engineering Failure Analysis*, **2021**, 128, 105608	3.2	6
175	Simulation of the ultimate conditions of fibre-reinforced polymer confined concrete using hybrid intelligence models. *Engineering Failure Analysis*, **2021**, 128, 105605	3.2	1
174	Stress Concentration Factor Evaluation of Offshore Tubular KT Joints Based on Analytical and Numerical Solutions: Comparative Study. *Practice Periodical on Structural Design and Construction*, **2021**, 26, 04021047	1.2	2
173	Reliability Analysis of Composite-Nanofluid Tube Using Finite-Based Armijo Method. *ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering*, **2021**, 7, 04021057	1.7	
172	Application and discussion of various crack closure models to predict fatigue crack growth in 6061-T651 aluminium alloy. *International Journal of Fatigue*, **2021**, 153, 106472	5	0
171	Global-local fatigue approaches for snug-tight and preloaded hot-dip galvanized steel bolted joints. *International Journal of Fatigue*, **2021**, 153, 106486	5	2
170	Fatigue and Fracture Behaviour of Long Term Operated Bridge Materials and Components. *Structural Integrity*, **2021**, 127-205	0.2	1
169	Degradation Theory of Long Term Operated Materials and Structures. *Structural Integrity*, **2021**,	0.2	6
168	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	1.8	15
167	Influence of the Double Composite Action Solution in the Behavior of a High-Speed Railway Viaduct. *Journal of Bridge Engineering*, **2020**, 25, 05020002	2.7	6
166	Uncertain time-dependent reliability analysis of corroded RC structures applying three-term conjugate method. *Engineering Failure Analysis*, **2020**, 115, 104599	3.2	9
165	Isodamage curve-based fatigue damage accumulation model considering the exhaustion of static toughness. *Engineering Failure Analysis*, **2020**, 115, 104575	3.2	15
164	Reliability assessment of measurement accuracy for FBG sensors used in structural tests of the wind turbine blades based on strain transfer laws. *Engineering Failure Analysis*, **2020**, 112, 104506	3.2	12
163	Reliability-based optimisation for offshore structures using saddlepoint approximation. *Proceedings of the Institution of Civil Engineers: Maritime Engineering*, **2020**, 173, 33-42	1.8	27
162	Reliability of Fatigue Strength Curves for Riveted Connections Using Normal and Weibull Distribution Functions. *ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering*, **2020**, 6, 04020034	1.7	10
161	Study of the Fatigue Crack Growth in Long-Term Operated Mild Steel under Mixed-Mode (I + II, I + III) Loading Conditions. *Materials*, **2020**, 13,	3.5	15

160	Recent advances on notch effects in metal fatigue: A review. *Fatigue and Fracture of Engineering Materials and Structures*, **2020**, 43, 637-659	3	77
159	Fatigue life prediction of metallic materials considering mean stress effects by means of an artificial neural network. *International Journal of Fatigue*, **2020**, 135, 105527	5	51
158	Multiaxial fatigue assessment of S355 steel in the high-cycle region by using Susmel's criterion. *Procedia Structural Integrity*, **2020**, 28, 796-803	1	0
157	Fatigue behaviour of bolted joints for rack structures. *Procedia Structural Integrity*, **2020**, 28, 1426-1430	1	
156	Numerical determination of stress intensity factors: J-integral and modified virtual crack closure technique. *Procedia Structural Integrity*, **2020**, 28, 146-154	1	1
155	Experimental study on fretting-fatigue of bridge cable wires. *International Journal of Fatigue*, **2020**, 131, 105321	5	36
154	Combined solutions to reduce scour around complex foundations: an experimental study. *Marine Systems and Ocean Technology*, **2020**, 15, 81-93	1.3	5
153	Fracture mechanics analysis of the effect of clamping stress on the fatigue life of riveted built-up railroad girders under variable amplitude loading. *Engineering Failure Analysis*, **2020**, 118, 104812	3.2	2
152	Probabilistic investigation on the reliability assessment of mid- and high-strength pipelines under corrosion and fracture conditions. *Engineering Failure Analysis*, **2020**, 118, 104891	3.2	21
151	Reliability-Based Maintenance Strategy for Gusset Plate Connections in Steel Bridges Based on Life-Cost Optimization. *Journal of Performance of Constructed Facilities*, **2020**, 34, 04020088	2	8
150	Renewable Energy and Oceanic Structures: Part IV. *Proceedings of the Institution of Civil Engineers: Maritime Engineering*, **2020**, 173, 31-32	1.8	0
149	Applying the Weibull and Stüssi Methods that Derive Reliable Wöhler Curves to Historical German Bridges. *Practice Periodical on Structural Design and Construction*, **2020**, 25, 04020029	1.2	7
148	Fatigue failure assessment of S355J2G1W structural steel under biaxial in- and out of phase loading regarding geometrical constraints of samples. *Engineering Failure Analysis*, **2020**, 117, 104785	3.2	6
147	A novel asynchronous-pouring-construction technology for prestressed concrete box girder bridges with corrugated steel webs. *Structures*, **2020**, 27, 1940-1950	3.4	4
146	Material-structure integrated design optimization of GFRP bridge deck on steel girder. *Structures*, **2020**, 27, 1222-1230	3.4	7
145	Novel hybridized adaptive neuro-fuzzy inference system models based particle swarm optimization and genetic algorithms for accurate prediction of stress intensity factor. *Fatigue and Fracture of Engineering Materials and Structures*, **2020**, 43, 2653-2667	3	16
144	Renewable Energy and Oceanic Structures: Part III. *Proceedings of the Institution of Civil Engineers: Maritime Engineering*, **2020**, 173, 1-2	1.8	2
143	Erratum for "Reliability of Fatigue Strength Curves for Riveted Connections Using Normal and Weibull Distribution Functions" by Bruno Pedrosa, José A. F. O. Correia, Carlos A. S. Rebelo, and Milan Veljkovic. *ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering*, **2020**, 6, 08220003	1.7	

142	Numerical study of fatigue damage under random loading using rainflow cycle counting. *International Journal of Structural Integrity*, **2020**, 12, 149-162	1	11
141	Minimal Invasive Diagnostic Capabilities and Effectiveness of CFRP-Patches Repairs in Long-Term Operated Metals. *Metals*, **2020**, 10, 984	2.3	5
140	Nonlinear Dynamic Analysis of Transmission Line Cables under Synoptic Wind Loads. *Practice Periodical on Structural Design and Construction*, **2020**, 25, 04020035	1.2	2
139	Fatigue of Preloaded Bolted Connections with Injection Bolts. *Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE)*, **2020**, 30, 102-108	1	4
138	The influence of heat treatment on the behavior of fatigue crack growth in welded joints made of S355 under bending loading. *International Journal of Fatigue*, **2020**, 131, 105328	5	22
137	Fatigue crack growth modelling of Fö Bridge puddle iron under variable amplitude loading. *International Journal of Fatigue*, **2020**, 136, 105588	5	20
136	Mixed mode (I+II, I+III) fatigue crack growth description in S355/P355NL1 steel. *Procedia Structural Integrity*, **2019**, 16, 51-58	1	
135	Mean stress effect and fatigue crack closure in material from old bridge erected in the late 19th century. *Procedia Structural Integrity*, **2019**, 17, 198-205	1	3
134	Fatigue tests of materials with the controlled energy parameter amplitude. *Procedia Structural Integrity*, **2019**, 17, 503-508	1	1
133	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	1.2	41
132	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	3.2	42
131	Probabilistic modelling of notch fatigue and size effect of components using highly stressed volume approach. *International Journal of Fatigue*, **2019**, 127, 110-119	5	63
130	Probabilistic modeling of fatigue life distribution and size effect of components with random defects. *International Journal of Fatigue*, **2019**, 126, 165-173	5	87
129	Fatigue characterization of a beam-to-column riveted joint. *Engineering Failure Analysis*, **2019**, 103, 95-123	3.2	10
128	Fatigue Analysis of a Concrete Chimney Under Wind Loads. *Structural Integrity*, **2019**, 377-382	0.2	
127	Review of Current Progress in 3D Linear Elastic Fracture Mechanics. *Structural Integrity*, **2019**, 125-131	0.2	6
126	A Stress Intensity Factor Study for a Pressure Vessel CT Specimen Using Finite Element Method. *Structural Integrity*, **2019**, 181-186	0.2	2
125	Crack Propagation Under Cyclic Bending in Welded Specimens After Heat Treatment. *Structural Integrity*, **2019**, 169-174	0.2	2

124	In-situ SEM investigation on fatigue behaviors of additive manufactured Al-Si10-Mg alloy at elevated temperature. *Engineering Fracture Mechanics*, **2019**, 214, 149-163	4.2	38
123	Initial Design Phase and Tender Designs of a Jacket Structure Converted into a Retrofitted Offshore Wind Turbine. *Energies*, **2019**, 12, 659	3.1	13
122	Dynamic response of pipelines under impact and harmonic loading. *Proceedings of the Institution of Civil Engineers: Maritime Engineering*, **2019**, 172, 15-22	1.8	5
121	GA-BP Neural Network-Based Strain Prediction in Full-Scale Static Testing of Wind Turbine Blades. *Energies*, **2019**, 12, 1026	3.1	17
120	Fatigue Crack Growth Rate of the Long Term Operated Puddle Iron from the Eiffel Bridge. *Metals*, **2019**, 9, 53	2.3	11
119	Influence of fillet end geometry on fatigue behaviour of welded joints. *International Journal of Fatigue*, **2019**, 123, 196-212	5	26
118	Nonlinear fatigue damage accumulation: Isodamage curve-based model and life prediction aspects. *International Journal of Fatigue*, **2019**, 128, 105185	5	47
117	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	3	5
116	PSO-BP Neural Network-Based Strain Prediction of Wind Turbine Blades. *Materials*, **2019**, 12,	3.5	22
115	An Enhanced Reliability Index Method and Its Application in Reliability-Based Collaborative Design and Optimization. *Mathematical Problems in Engineering*, **2019**, 2019, 1-10	1.1	22
114	The renewed TC12/ESIS technical committee - Risk analysis and safety of large structures and components. *Engineering Failure Analysis*, **2019**, 105, 798-802	3.2	3
113	Monotonic and Fracture Behaviours of Bolted Connections with Distinct Bolt Preloads and Surface Treatments. *Frattura Ed Integrita Strutturale*, **2019**, 13, 304-317	0.9	8
112	A comparison between S-N Logistic and Kohout-Vĕchet formulations applied to the fatigue data of old metallic bridges materials. *Frattura Ed Integrita Strutturale*, **2019**, 13, 400-410	0.9	10
111	Contribution Evaluation of Branco Micaela Granite Used in Facades, for the Safety of Workers. *Studies in Systems, Decision and Control*, **2019**, 163-170	0.8	1
110	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	20
109	Alternative steel lattice structures for wind energy converters. *International Journal of Structural Integrity*, **2019**, 12, 48-69	1	4
108	Editorial on reliability and safety of structures and infrastructures. *Proceedings of the Institution of Civil Engineers: Forensic Engineering*, **2019**, 172, 123-124	0.2	0
107	Fracture behaviour of engineering stone material. *International Journal of Structural Integrity*, **2019**, 12, 70-88	1	3

106	Accidents on railway lines in Portugal. *Procedia Structural Integrity*, **2019**, 22, 189-193	1	
105	Influence of reinforcement type on the flexural behaviour of reinforced concrete beams. *Proceedings of the Institution of Civil Engineers: Forensic Engineering*, **2019**, 172, 158-166	0.2	3
104	Fatigue Damage Tool (FDT) - A tool for fatigue damage assessment according to design codes. *Procedia Structural Integrity*, **2019**, 22, 376-385	1	1
103	Sensitivity of reliability-based fatigue analysis to crack shape development in cracked pipeline. *Procedia Structural Integrity*, **2019**, 22, 201-210	1	3
102	Fatigue Behaviour of Bolted Connections Applied in Racking Structures. Experimental Perspective. *Procedia Structural Integrity*, **2019**, 22, 401-406	1	
101	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	1.3	2
100	Fatigue resistance curves for single and double shear riveted joints from old portuguese metallic bridges. *Engineering Failure Analysis*, **2019**, 96, 255-273	3.2	23
99	Fatigue Assessment of Critical Connections in a Historic Eyebar Suspension Bridge. *Journal of Performance of Constructed Facilities*, **2019**, 33, 04018091	2	17
98	Nonlinear fatigue damage accumulation and life prediction of metals: A comparative study. *Fatigue and Fracture of Engineering Materials and Structures*, **2019**, 42, 1271-1282	3	44
97	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	3.2	21
96	Global-local fatigue assessment of an ancient riveted metallic bridge based on submodelling of the critical detail. *Fatigue and Fracture of Engineering Materials and Structures*, **2019**, 42, 546-560	3	29
95	Experimental and numerical investigation of mixed mode I + II and I + III fatigue crack growth in S355J0 steel. *International Journal of Fatigue*, **2018**, 113, 160-170	5	38
94	Damage behaviour of full-scale straight pipes under extreme cyclic bending conditions. *Journal of Constructional Steel Research*, **2018**, 143, 97-109	3.8	3
93	Improved manufacturing performance of a new antifriction composite parts based on copper. *Engineering Failure Analysis*, **2018**, 91, 225-233	3.2	10
92	Evaluation and comparison of critical plane criteria for multiaxial fatigue analysis of ductile and brittle materials. *International Journal of Fatigue*, **2018**, 112, 279-288	5	91
91	Structural reliability of corroded pipeline using the so-called Separable Monte Carlo method. *Journal of Strain Analysis for Engineering Design*, **2018**, 53, 730-737	1.3	19
90	Fatigue analysis of a railway bridge based on fracture mechanics and local modelling of riveted connections. *Engineering Failure Analysis*, **2018**, 94, 121-144	3.2	33
89	Aerodynamic damping in cables of overhead transmission lines subjected to wind loads. *Wind Engineering*, **2018**, 42, 268-275	1.2	2

88	Transition piece design for an onshore hybrid wind turbine with multiaxial fatigue life estimation. *Wind Engineering*, **2018**, 42, 286-303	1.2	11
87	Computational framework for multiaxial fatigue life prediction of compressor discs considering notch effects. *Engineering Fracture Mechanics*, **2018**, 202, 423-435	4.2	70
86	Analysis of the fatigue life estimators of the materials using small samples. *Journal of Strain Analysis for Engineering Design*, **2018**, 53, 699-710	1.3	13
85	A methodology for a global-local fatigue analysis of ancient riveted metallic bridges. *International Journal of Structural Integrity*, **2018**, 9, 355-380	1	7
84	Risk analysis in the execution of the Aguas Santas tunnel **2018**, 595-600		1
83	Case study of risk assessment in single family housing **2018**, 551-553		1
82	Maintenance manual for equipment on construction site **2018**, 513-516		
81	Structural integrity assessment of rigid polyurethane components using energy methods. *Procedia Structural Integrity*, **2018**, 13, 1595-1599	1	2
80	Structural Reliability Analysis of Corroded Pipeline made in X60 Steel Based on M5 Model Tree Algorithm and Monte Carlo Simulation. *Procedia Structural Integrity*, **2018**, 13, 1670-1675	1	7
79	A new local approach to cleavage fracture and its application in a reactor pressure vessel. *Procedia Structural Integrity*, **2018**, 13, 2174-2179	1	1
78	Mixed mode (I+II) fatigue crack paths in S355J0 steel in terms of fractal geometry **2018**,		4
77	Evaluation of Fatigue Design Curves for a Double-Side Welded Connection Used in Offshore Applications **2018**,		7
76	Probabilistic Fatigue Crack Initiation and Propagation Fields Using the Strain Energy Density. *Strength of Materials*, **2018**, 50, 620-635	0.6	13
75	Energy response of S355 and 41Cr4 steel during fatigue crack growth process. *Journal of Strain Analysis for Engineering Design*, **2018**, 53, 663-675	1.3	25
74	Features of the microstructural and mechanical degradation of long term operated mild steel. *International Journal of Structural Integrity*, **2018**, 9, 296-306	1	18
73	Characterization of the mechanical behaviour of wooden construction materials from Quinta lobeira de cima *International Journal of Structural Integrity*, **2018**, 9, 396-410	1	2
72	Fatigue crack growth of 42CrMo4 and 41Cr4 steels under different heat treatment conditions. *International Journal of Structural Integrity*, **2018**, 9, 326-336	1	8
71	Stress distributions and crack growth in riveted lap joints fastening thick steel plates. *Engineering Failure Analysis*, **2018**, 91, 370-381	3.2	18

70	Numerical analysis and structural intervention methodology for a wood floor of a medieval building. *International Journal of Structural Integrity*, **2018**, 9, 307-325	1	3
69	Fatigue crack growth rate in CFRP reinforced constructional old steel. *International Journal of Structural Integrity*, **2018**, 9, 381-395	1	14
68	CINPAR2016Strengthening and repair of structures. *International Journal of Structural Integrity*, **2018**, 9, 278-280	1	1
67	A methodology for probabilistic prediction of fatigue crack initiation taking into account the scale effect. *Engineering Fracture Mechanics*, **2017**, 185, 101-113	4.2	47
66	Combined analytical-numerical methodologies for the evaluation of mixed-mode (I + II) fatigue crack growth rates in structural steels. *Engineering Fracture Mechanics*, **2017**, 185, 124-138	4.2	41
65	Mixed mode (I+II) fatigue crack growth in puddle iron. *Engineering Fracture Mechanics*, **2017**, 185, 175-192	4.2	35
64	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. *Engineering Fracture Mechanics*, **2017**, 185, 160-174	4.2	26
63	A generalization of the fatigue Kohout-Věchet model for several fatigue damage parameters. *Engineering Fracture Mechanics*, **2017**, 185, 284-300	4.2	58
62	Statistical evaluation of fatigue strength of double shear riveted connections and crack growth rates of materials from old bridges. *Engineering Fracture Mechanics*, **2017**, 185, 241-257	4.2	41
61	Application of the modal superposition technique combined with analytical elastoplastic approaches to assess the fatigue crack initiation on structural components. *Engineering Fracture Mechanics*, **2017**, 185, 271-283	4.2	13
60	Fatigue assessment of an existing steel bridge by finite element modelling and field measurements. *Journal of Physics: Conference Series*, **2017**, 843, 012038	0.3	5
59	Generalized probabilistic model allowing for various fatigue damage variables. *International Journal of Fatigue*, **2017**, 100, 187-194	5	93
58	Characterization of the Tensile Mechanical Behavior of Wooden Construction on Materials from Historic Building. *Procedia Structural Integrity*, **2017**, 5, 1086-1091	1	3
57	Energy description of fatigue crack growth process - theoretical and experimental approach. *Procedia Structural Integrity*, **2017**, 5, 904-911	1	6
56	ICMFM18-Mechanical fatigue of metals. *International Journal of Structural Integrity*, **2017**, 8, 614-616	1	0
55	Unified two-stage fatigue methodology based on a probabilistic damage model applied to structural details. *Theoretical and Applied Fracture Mechanics*, **2017**, 92, 252-265	3.7	32
54	Non-Destructive Structural Wood Diagnosis of a Medieval Building. *Procedia Structural Integrity*, **2017**, 5, 1147-1152	1	6
53	Mechanical Properties of Wood Construction Materials from a Building from the 19th Century. *Procedia Structural Integrity*, **2017**, 5, 1097-1101	1	5

52	Fatigue Strength Evaluation of Resin-Injected Bolted Connections Using Statistical Analysis. *Engineering*, **2017**, 3, 795-805	9.7	15
51	Fatigue of adhesively bonded epoxy-AA6061T651 joints. *International Journal of Structural Integrity* , **2017**, 8, 707-724	1	2
50	Structural Characterization of 13th Century Building placed in Trás-os-Montes Region. *Procedia Structural Integrity*, **2017**, 5, 1136-1140	1	3
49	Numerical Modelling of a Wood Pavement of a 13th Century Building. *Procedia Structural Integrity*, **2017**, 5, 1141-1146	1	3
48	Fatigue Life Evaluation of Critical Details of the Hercílio Luz Suspension Bridge. *Procedia Structural Integrity*, **2017**, 5, 1027-1034	1	5
47	Petrographic Characterization of Partition Wall Mortars of a 19th Century Building. *Procedia Structural Integrity*, **2017**, 5, 1092-1096	1	3
46	Pathological Inspection of Structural Masonry Walls of a Late-Romantic Historical Building. *Procedia Structural Integrity*, **2017**, 5, 1102-1107	1	2
45	Improvement of the fatigue crack growth resistance in long term operated steel strengthened with CFRP patches. *Procedia Structural Integrity*, **2017**, 5, 912-919	1	6
44	Fatigue lifetime improvement in AISI 304 stainless steel due to high-density electropulsing. *Procedia Structural Integrity*, **2017**, 5, 928-934	1	2
43	Mixed mode I/II/III fatigue crack growth in S355 steel. *Procedia Structural Integrity*, **2017**, 5, 896-903	1	21
42	NUMERICAL ANALYSIS OF A DOUBLE SHEAR STANDARD BOLTED CONNECTION CONSIDERING MONOTONIC LOADINGS. *Engineering Structures and Technologies*, **2017**, 9, 183-194	0.2	2
41	FRACTURE RESISTANCE ANALYSIS OF PEEK-POLYMER. *Engineering Structures and Technologies*, **2017**, 9, 207-213	0.2	1
40	MECHANICAL CHARACTERIZATION OF ANCIENT PORTUGUESE RIVETED BRIDGES STEELS. *Engineering Structures and Technologies*, **2017**, 9, 214-225	0.2	3
39	Strain-based approach for fatigue crack propagation simulation of the 6061-T651 aluminium alloy. *International Journal of Materials and Structural Integrity*, **2017**, 11, 1	0.3	9
38	A probabilistic approach for multiaxial fatigue criteria. *Frattura Ed Integrita Strutturale*, **2017**, 11, 160-165	0.9	9
37	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	0.9	20
36	Probabilistic fatigue S-N curves derivation for notched components. *Frattura Ed Integrita Strutturale*, **2017**, 11, 105-118	0.9	14
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