

Jos Antnio Fonseca de Oliveira Correia

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213
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232
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ext. citations

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#	Paper	IF	Citations
213	Generalized probabilistic model allowing for various fatigue damage variables. <i>International Journal of Fatigue</i> , 2017 , 100, 187-194	5	93
212	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	5	91
211	Probabilistic modeling of fatigue life distribution and size effect of components with random defects. <i>International Journal of Fatigue</i> , 2019 , 126, 165-173	5	87
210	Fatigue assessment of a riveted shear splice based on a probabilistic model. <i>International Journal of Fatigue</i> , 2010 , 32, 453-462	5	81
209	Recent advances on notch effects in metal fatigue: A review. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2020 , 43, 637-659	3	77
208	Computational framework for multiaxial fatigue life prediction of compressor discs considering notch effects. <i>Engineering Fracture Mechanics</i> , 2018 , 202, 423-435	4.2	70
207	A probabilistic fatigue approach for riveted joints using Monte Carlo simulation. <i>Journal of Constructional Steel Research</i> , 2015 , 110, 149-162	3.8	67
206	Probabilistic modelling of notch fatigue and size effect of components using highly stressed volume approach. <i>International Journal of Fatigue</i> , 2019 , 127, 110-119	5	63
205	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	3.2	62
204	A generalization of the fatigue Kohout-Vöhler model for several fatigue damage parameters. <i>Engineering Fracture Mechanics</i> , 2017 , 185, 284-300	4.2	58
203	Local unified probabilistic model for fatigue crack initiation and propagation: Application to a notched geometry. <i>Engineering Structures</i> , 2013 , 52, 394-407	4.7	58
202	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	5	51
201	Strain-life and crack propagation fatigue data from several Portuguese old metallic riveted bridges. <i>Engineering Failure Analysis</i> , 2011 , 18, 148-163	3.2	49
200	A methodology for probabilistic prediction of fatigue crack initiation taking into account the scale effect. <i>Engineering Fracture Mechanics</i> , 2017 , 185, 101-113	4.2	47
199	Nonlinear fatigue damage accumulation: Isodamage curve-based model and life prediction aspects. <i>International Journal of Fatigue</i> , 2019 , 128, 105185	5	47
198	Fatigue of riveted and bolted joints made of puddle iron – a numerical approach. <i>Journal of Constructional Steel Research</i> , 2014 , 102, 164-177	3.8	45
197	Nonlinear fatigue damage accumulation and life prediction of metals: A comparative study. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2019 , 42, 1271-1282	3	44

196	Reliability analysis based on hybrid algorithm of M5 model tree and Monte Carlo simulation for corroded pipelines: Case of study X60 Steel grade pipes. <i>Engineering Failure Analysis</i> , 2019 , 97, 793-803	3.2	42
195	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	4.2	41
194	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	4.2	41
193	Probabilistic S-N fields based on statistical distributions applied to metallic and composite materials: State of the art. <i>Advances in Mechanical Engineering</i> , 2019 , 11, 168781401987039	1.2	41
192	Fatigue of riveted and bolted joints made of puddle iron: An experimental approach. <i>Journal of Constructional Steel Research</i> , 2015 , 104, 81-90	3.8	41
191	A probabilistic analysis of Miner's law for different loading conditions. <i>Structural Engineering and Mechanics</i> , 2016 , 60, 71-90		39
190	In-situ SEM investigation on fatigue behaviors of additive manufactured Al-Si10-Mg alloy at elevated temperature. <i>Engineering Fracture Mechanics</i> , 2019 , 214, 149-163	4.2	38
189	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	5	38
188	Crack Closure Effects on Fatigue Crack Propagation Rates: Application of a Proposed Theoretical Model. <i>Advances in Materials Science and Engineering</i> , 2016 , 2016, 1-11	1.5	37
187	Experimental study on fretting-fatigue of bridge cable wires. <i>International Journal of Fatigue</i> , 2020 , 131, 105321	5	36
186	Mixed mode (I+II) fatigue crack growth in puddle iron. <i>Engineering Fracture Mechanics</i> , 2017 , 185, 175-192	4.2	35
185	Modified CCS fatigue crack growth model for the AA2019-T851 based on plasticity-induced crack-closure. <i>Theoretical and Applied Fracture Mechanics</i> , 2016 , 85, 26-36	3.7	35
184	Three-dimensional fatigue crack propagation simulation using extended finite element methods for steel grades S355 and S690 considering mean stress effects. <i>Engineering Structures</i> , 2021 , 227, 111414	4.7	34
183	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	3.2	33
182	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	3.7	32
181	A probabilistic interpretation of the Miner number for fatigue life prediction. <i>Frattura Ed Integrita Strutturale</i> , 2014 , 8, 327-339	0.9	29
180	A procedure to derive probabilistic fatigue crack propagation data. <i>International Journal of Structural Integrity</i> , 2012 , 3, 158-183	1	29
179	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	3	29

178	Reliability-based optimisation for offshore structures using saddlepoint approximation. <i>Proceedings of the Institution of Civil Engineers: Maritime Engineering</i> , 2020 , 173, 33-42	1.8	27
177	An assessment of a strain-life approach for fatigue crack growth. <i>International Journal of Structural Integrity</i> , 2012 , 3, 344-376	1	27
176	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	4.2	26
175	Influence of fillet end geometry on fatigue behaviour of welded joints. <i>International Journal of Fatigue</i> , 2019 , 123, 196-212	5	26
174	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	1.3	25
173	Recent advances on size effect in metal fatigue under defects: a review. <i>International Journal of Fracture</i> , 2019 , 1	2.3	24
172	Critical Assessment of a Local Strain-Based Fatigue Crack Growth Model Using Experimental Data Available for the P355NL1 Steel. <i>Journal of Pressure Vessel Technology, Transactions of the ASME</i> , 2013 , 135,	1.2	23
171	Fatigue resistance curves for single and double shear riveted joints from old portuguese metallic bridges. <i>Engineering Failure Analysis</i> , 2019 , 96, 255-273	3.2	23
170	PSO-BP Neural Network-Based Strain Prediction of Wind Turbine Blades. <i>Materials</i> , 2019 , 12,	3.5	22
169	An Enhanced Reliability Index Method and Its Application in Reliability-Based Collaborative Design and Optimization. <i>Mathematical Problems in Engineering</i> , 2019 , 2019, 1-10	1.1	22
168	The influence of heat treatment on the behavior of fatigue crack growth in welded joints made of S355 under bending loading. <i>International Journal of Fatigue</i> , 2020 , 131, 105328	5	22
167	Mixed mode I/II/III fatigue crack growth in S355 steel. <i>Procedia Structural Integrity</i> , 2017 , 5, 896-903	1	21
166	Probabilistic investigation on the reliability assessment of mid- and high-strength pipelines under corrosion and fracture conditions. <i>Engineering Failure Analysis</i> , 2020 , 118, 104891	3.2	21
165	Influence of loading direction on the static and fatigue fracture properties of the long term operated metallic materials. <i>Engineering Failure Analysis</i> , 2019 , 96, 409-425	3.2	21
164	Fatigue crack propagation prediction of a pressure vessel mild steel based on a strain energy density model. <i>Frattura Ed Integrita Strutturale</i> , 2017 , 11, 74-84	0.9	20
163	Fatigue assessment based on hot-spot stresses obtained from the global dynamic analysis and local static sub-model. <i>International Journal of Structural Integrity</i> , 2019 , 12, 31-47	1	20
162	Fatigue crack growth modelling of FB Bridge puddle iron under variable amplitude loading. <i>International Journal of Fatigue</i> , 2020 , 136, 105588	5	20
161	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	1.3	19

160	Features of the microstructural and mechanical degradation of long term operated mild steel. <i>International Journal of Structural Integrity</i> , 2018 , 9, 296-306	1	18
159	Stress distributions and crack growth in riveted lap joints fastening thick steel plates. <i>Engineering Failure Analysis</i> , 2018 , 91, 370-381	3.2	18
158	GA-BP Neural Network-Based Strain Prediction in Full-Scale Static Testing of Wind Turbine Blades. <i>Energies</i> , 2019 , 12, 1026	3.1	17
157	Fatigue Life Prediction Based on Crack Growth Analysis Using an Equivalent Initial Flaw Size Model: Application to a Notched Geometry. <i>Procedia Engineering</i> , 2015 , 114, 730-737		17
156	Fatigue Assessment of Critical Connections in a Historic Eyebars Suspension Bridge. <i>Journal of Performance of Constructed Facilities</i> , 2019 , 33, 04018091	2	17
155	Novel hybridized adaptive neuro-fuzzy inference system models based particle swarm optimization and genetic algorithms for accurate prediction of stress intensity factor. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2020 , 43, 2653-2667	3	16
154	A fatigue damage evaluation using local damage parameters for an offshore structure. <i>Proceedings of the Institution of Civil Engineers: Maritime Engineering</i> , 2020 , 173, 43-57	1.8	15
153	Isodamage curve-based fatigue damage accumulation model considering the exhaustion of static toughness. <i>Engineering Failure Analysis</i> , 2020 , 115, 104575	3.2	15
152	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,	3.5	15
151	Fatigue Strength Evaluation of Resin-Injected Bolted Connections Using Statistical Analysis. <i>Engineering</i> , 2017 , 3, 795-805	9.7	15
150	Numerical study of fatigue damage under random loading using Rainflow cycle counting. <i>International Journal of Structural Integrity</i> , 2021 , 12, 408-418	1	15
149	Probabilistic fatigue S-N curves derivation for notched components. <i>Frattura Ed Integrita Strutturale</i> , 2017 , 11, 105-118	0.9	14
148	Mixed Mode (I+II) Fatigue Crack Growth of Long Term Operating Bridge Steel. <i>Procedia Engineering</i> , 2016 , 160, 262-269		14
147	Corrosion fatigue and electrochemical behaviour of steel wires used in bridge cables. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2021 , 44, 63-73	3	14
146	Fatigue crack growth rate in CFRP reinforced constructional old steel. <i>International Journal of Structural Integrity</i> , 2018 , 9, 381-395	1	14
145	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	4.2	13
144	Initial Design Phase and Tender Designs of a Jacket Structure Converted into a Retrofitted Offshore Wind Turbine. <i>Energies</i> , 2019 , 12, 659	3.1	13
143	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	1.3	13

142	Probabilistic Fatigue Crack Initiation and Propagation Fields Using the Strain Energy Density. <i>Strength of Materials</i> , 2018 , 50, 620-635	0.6	13
141	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	3.2	12
140	Evaluation of multiaxial high-cycle fatigue criteria under proportional loading for S355 steel. <i>Engineering Failure Analysis</i> , 2021 , 120, 105037	3.2	12
139	Fatigue Crack Growth Rate of the Long Term Operated Puddle Iron from the Eiffel Bridge. <i>Metals</i> , 2019 , 9, 53	2.3	11
138	Transition piece design for an onshore hybrid wind turbine with multiaxial fatigue life estimation. <i>Wind Engineering</i> , 2018 , 42, 286-303	1.2	11
137	Probabilistic fatigue modelling of metallic materials under notch and size effect using the weakest link theory. <i>International Journal of Fatigue</i> , 2022 , 159, 106788	5	11
136	Numerical study of fatigue damage under random loading using rainflow cycle counting. <i>International Journal of Structural Integrity</i> , 2020 , 12, 149-162	1	11
135	Fatigue assessment of EA4T railway axles under artificial surface damage. <i>International Journal of Fatigue</i> , 2021 , 146, 106157	5	11
134	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	1	11
133	Design S-N Curves for Old Portuguese and French Riveted Bridges Connection Based on Statistical Analyses. <i>Procedia Engineering</i> , 2016 , 160, 77-84		11
132	Fatigue characterization of a beam-to-column riveted joint. <i>Engineering Failure Analysis</i> , 2019 , 103, 95-123	3.2	10
131	Reliability of Fatigue Strength Curves for Riveted Connections Using Normal and Weibull Distribution Functions. <i>ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering</i> , 2020 , 6, 04020034	1.7	10
130	Improved manufacturing performance of a new antifriction composite parts based on copper. <i>Engineering Failure Analysis</i> , 2018 , 91, 225-233	3.2	10
129	A comparison between S-N Logistic and Kohout-Váňet formulations applied to the fatigue data of old metallic bridges materials. <i>Frattura Ed Integrita Strutturale</i> , 2019 , 13, 400-410	0.9	10
128	Novel efficient method for structural reliability analysis using hybrid nonlinear conjugate map-based support vector regression. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021 , 381, 113818	5.7	10
127	Uncertain time-dependent reliability analysis of corroded RC structures applying three-term conjugate method. <i>Engineering Failure Analysis</i> , 2020 , 115, 104599	3.2	9
126	Strain-based approach for fatigue crack propagation simulation of the 6061-T651 aluminium alloy. <i>International Journal of Materials and Structural Integrity</i> , 2017 , 11, 1	0.3	9
125	Fatigue Damage Assessment of a Riveted Connection Made of Puddle Iron from the F8 Bridge using the Modified Probabilistic Interpretation Technique. <i>Procedia Engineering</i> , 2015 , 114, 760-767		9

124	A probabilistic approach for multiaxial fatigue criteria. <i>Frattura Ed Integrita Strutturale</i> , 2017 , 11, 160-165.	9	9
123	Fatigue crack growth modelling for cracked small-scale structural details repaired with CFRP. <i>Thin-Walled Structures</i> , 2021 , 161, 107525	4.7	9
122	Fatigue crack propagation behavior of old puddle iron including crack closure effects. <i>Procedia Structural Integrity</i> , 2016 , 2, 3218-3225	1	9
121	Probabilistic S-N curves for CFRP retrofitted steel details. <i>International Journal of Fatigue</i> , 2021 , 148, 106205	5	9
120	Monotonic and Fracture Behaviours of Bolted Connections with Distinct Bolt Preloads and Surface Treatments. <i>Frattura Ed Integrita Strutturale</i> , 2019 , 13, 304-317	0.9	8
119	Reliability-Based Maintenance Strategy for Gusset Plate Connections in Steel Bridges Based on Life-Cost Optimization. <i>Journal of Performance of Constructed Facilities</i> , 2020 , 34, 04020088	2	8
118	Fatigue Assessments of a Jacket-Type Offshore Structure Based on Static and Dynamic Analyses. <i>Practice Periodical on Structural Design and Construction</i> , 2021 , 26, 04020054	1.2	8
117	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
116	Probabilistic strain-fatigue life performance based on stochastic analysis of structural and WAAM-stainless steels. <i>Engineering Failure Analysis</i> , 2021 , 127, 105495	3.2	8
115	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	7
114	Probabilistic S-N Field Assessment for a Notched Plate Made of Puddle Iron From the Eiffel Bridge with an Elliptical Hole. <i>Procedia Engineering</i> , 2015 , 114, 691-698		7
113	Applying the Weibull and Ståsi Methods that Derive Reliable Wöler Curves to Historical German Bridges. <i>Practice Periodical on Structural Design and Construction</i> , 2020 , 25, 04020029	1.2	7
112	Material-structure integrated design optimization of GFRP bridge deck on steel girder. <i>Structures</i> , 2020 , 27, 1222-1230	3.4	7
111	Fatigue performance prediction of S235 base steel plates in the riveted connections. <i>Structures</i> , 2021 , 30, 745-755	3.4	7
110	Ductile fracture locus identification using mesoscale critical equivalent plastic strain. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2021 , 44, 1292-1304	3	7
109	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	1	7
108	Evaluation of Fatigue Design Curves for a Double-Side Welded Connection Used in Offshore Applications 2018 ,		7
107	Energy description of fatigue crack growth process - theoretical and experimental approach. <i>Procedia Structural Integrity</i> , 2017 , 5, 904-911	1	6

106	Review of Current Progress in 3D Linear Elastic Fracture Mechanics. <i>Structural Integrity</i> , 2019 , 125-131	0.2	6
105	Influence of the Double Composite Action Solution in the Behavior of a High-Speed Railway Viaduct. <i>Journal of Bridge Engineering</i> , 2020 , 25, 05020002	2.7	6
104	Non-Destructive Structural Wood Diagnosis of a Medieval Building. <i>Procedia Structural Integrity</i> , 2017 , 5, 1147-1152	1	6
103	Improvement of the fatigue crack growth resistance in long term operated steel strengthened with CFRP patches. <i>Procedia Structural Integrity</i> , 2017 , 5, 912-919	1	6
102	Fatigue failure assessment of S355J2G1W structural steel under biaxial in- and out of phase loading regarding geometrical constraints of samples. <i>Engineering Failure Analysis</i> , 2020 , 117, 104785	3.2	6
101	Fatigue strength assessment of riveted details in railway metallic bridges. <i>Engineering Failure Analysis</i> , 2021 , 121, 105120	3.2	6
100	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	3.2	6
99	Degradation Theory of Long Term Operated Materials and Structures. <i>Structural Integrity</i> , 2021 ,	0.2	6
98	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	5
97	Dynamic response of pipelines under impact and harmonic loading. <i>Proceedings of the Institution of Civil Engineers: Maritime Engineering</i> , 2019 , 172, 15-22	1.8	5
96	Study of the influence of notch radii and temperature on the probability of failure: A methodology to perform a combined assessment. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2019 , 42, 2663-2673	3	5
95	Mechanical Properties of Wood Construction Materials from a Building from the 19th Century. <i>Procedia Structural Integrity</i> , 2017 , 5, 1097-1101	1	5
94	Fatigue Life Evaluation of Critical Details of the Herdlo Luz Suspension Bridge. <i>Procedia Structural Integrity</i> , 2017 , 5, 1027-1034	1	5
93	Modelling probabilistic fatigue crack propagation rates for a mild structural steel. <i>Frattura Ed Integrita Strutturale</i> , 2015 , 9, 80-96	0.9	5
92	Statistical analysis of fatigue crack propagation data of materials from ancient portuguese metallic bridges. <i>Frattura Ed Integrita Strutturale</i> , 2017 , 11, 136-146	0.9	5
91	Combined solutions to reduce scour around complex foundations: an experimental study. <i>Marine Systems and Ocean Technology</i> , 2020 , 15, 81-93	1.3	5
90	Minimal Invasive Diagnostic Capabilities and Effectiveness of CFRP-Patches Repairs in Long-Term Operated Metals. <i>Metals</i> , 2020 , 10, 984	2.3	5
89	Application of Modal Superposition Technique in the Fatigue Analysis Using Local Approaches. <i>Procedia Engineering</i> , 2016 , 160, 45-52		5

88	Fatigue Crack Growth Behavior of Bonded Aluminum Joints. <i>Procedia Engineering</i> , 2016 , 160, 270-277		5
87	Fatigue crack growth behaviour of the 6082-T6 aluminium using CT specimens with distinct notches. <i>Procedia Structural Integrity</i> , 2016 , 2, 3272-3279	1	4
86	A novel asynchronous-pouring-construction technology for prestressed concrete box girder bridges with corrugated steel webs. <i>Structures</i> , 2020 , 27, 1940-1950	3-4	4
85	Fatigue assessment of steel half-pipes bolted connections using local approaches. <i>Procedia Structural Integrity</i> , 2016 , 1, 118-125	1	4
84	Fatigue Life Response of P355NL1 Steel under Uniaxial Loading Using Kohout-Váňhet Model. <i>Procedia Engineering</i> , 2016 , 160, 109-116		4
83	Alternative steel lattice structures for wind energy converters. <i>International Journal of Structural Integrity</i> , 2019 , 12, 48-69	1	4
82	Fatigue of Preloaded Bolted Connections with Injection Bolts. <i>Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE)</i> , 2020 , 30, 102-108	1	4
81	Mixed mode (I+II) fatigue crack paths in S355J0 steel in terms of fractal geometry 2018 ,		4
80	Characterization of the Tensile Mechanical Behavior of Wooden Construction on Materials from Historic Building. <i>Procedia Structural Integrity</i> , 2017 , 5, 1086-1091	1	3
79	Mean stress effect and fatigue crack closure in material from old bridge erected in the late 19th century. <i>Procedia Structural Integrity</i> , 2019 , 17, 198-205	1	3
78	Damage behaviour of full-scale straight pipes under extreme cyclic bending conditions. <i>Journal of Constructional Steel Research</i> , 2018 , 143, 97-109	3-8	3
77	Global Fatigue Life Modelling of Steel Half-pipes Bolted Connections. <i>Procedia Engineering</i> , 2016 , 160, 278-284		3
76	The renewed TC12/ESIS technical committee - Risk analysis and safety of large structures and components. <i>Engineering Failure Analysis</i> , 2019 , 105, 798-802	3-2	3
75	Structural Characterization of 13th Century Building placed in Trã-os-Montes Region. <i>Procedia Structural Integrity</i> , 2017 , 5, 1136-1140	1	3
74	Numerical Modelling of a Wood Pavement of a 13th Century Building. <i>Procedia Structural Integrity</i> , 2017 , 5, 1141-1146	1	3
73	Petrographic Characterization of Partition Wall Mortars of a 19th Century Building. <i>Procedia Structural Integrity</i> , 2017 , 5, 1092-1096	1	3
72	MECHANICAL CHARACTERIZATION OF ANCIENT PORTUGUESE RIVETED BRIDGES STEELS. <i>Engineering Structures and Technologies</i> , 2017 , 9, 214-225	0.2	3
71	Assessment of fatigue crack growth data available for materials from Portuguese bridges based on UniGrow model. <i>Procedia Engineering</i> , 2011 , 10, 971-976		3

70	Reliability Analysis Based Improved Directional Simulation Using Harris Hawks Optimization Algorithm for Engineering Systems. <i>Engineering Failure Analysis</i> , 2022 , 135, 106148	3.2	3
69	Fracture behaviour of engineering stone material. <i>International Journal of Structural Integrity</i> , 2019 , 12, 70-88	1	3
68	Influence of reinforcement type on the flexural behaviour of reinforced concrete beams. <i>Proceedings of the Institution of Civil Engineers: Forensic Engineering</i> , 2019 , 172, 158-166	0.2	3
67	Sensitivity of reliability-based fatigue analysis to crack shape development in cracked pipeline. <i>Procedia Structural Integrity</i> , 2019 , 22, 201-210	1	3
66	Fracture evaluation of ultra-high-performance fiber reinforced concrete (UHPFRC). <i>Engineering Failure Analysis</i> , 2021 , 120, 105076	3.2	3
65	Contact stress analysis and fatigue life prediction of turbine discBlade attachment with fir-tree tenon structure. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2021 , 44, 1014-1026	3	3
64	Numerical simulation of concrete creep behaviour using integral creep algorithm with alternating stresses. <i>Structures</i> , 2021 , 29, 1979-1987	3.4	3
63	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	3
62	A Stress Intensity Factor Study for a Pressure Vessel CT Specimen Using Finite Element Method. <i>Structural Integrity</i> , 2019 , 181-186	0.2	2
61	Crack Propagation Under Cyclic Bending in Welded Specimens After Heat Treatment. <i>Structural Integrity</i> , 2019 , 169-174	0.2	2
60	Probabilistic Non-Linear Cumulative Fatigue Damage of the P355NL1 Pressure Vessel Steel 2016 ,		2
59	Aerodynamic damping in cables of overhead transmission lines subjected to wind loads. <i>Wind Engineering</i> , 2018 , 42, 268-275	1.2	2
58	Fatigue of adhesively bonded epoxy-AA6061T651 joints. <i>International Journal of Structural Integrity</i> , 2017 , 8, 707-724	1	2
57	Pathological Inspection of Structural Masonry Walls of a Late-Romantic Historical Building. <i>Procedia Structural Integrity</i> , 2017 , 5, 1102-1107	1	2
56	Fatigue lifetime improvement in AISI 304 stainless steel due to high-density electropulsing. <i>Procedia Structural Integrity</i> , 2017 , 5, 928-934	1	2
55	NUMERICAL ANALYSIS OF A DOUBLE SHEAR STANDARD BOLTED CONNECTION CONSIDERING MONOTONIC LOADINGS. <i>Engineering Structures and Technologies</i> , 2017 , 9, 183-194	0.2	2
54	Numerical analysis and discussion on the hot-spot stress concept applied to welded tubular KT joints. <i>Engineering Failure Analysis</i> , 2022 , 135, 106092	3.2	2
53	A brief review of fatigue design criteria on offshore wind turbine support structures. <i>Frattura Ed Integrita Strutturale</i> , 2021 , 15, 302-315	0.9	2

52	Fracture mechanics analysis of the effect of clamping stress on the fatigue life of riveted built-up railroad girders under variable amplitude loading. <i>Engineering Failure Analysis</i> , 2020 , 118, 104812	3.2	2
51	Renewable Energy and Oceanic Structures: Part III. <i>Proceedings of the Institution of Civil Engineers: Maritime Engineering</i> , 2020 , 173, 1-2	1.8	2
50	Nonlinear Dynamic Analysis of Transmission Line Cables under Synoptic Wind Loads. <i>Practice Periodical on Structural Design and Construction</i> , 2020 , 25, 04020035	1.2	2
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