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List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

735
citations

516710

16
h-index

552781

26
g-index

46
all docs

46
docs citations

46
times ranked

344
citing authors

#	ARTICLE	IF	CITATIONS
1	The effect of residual stresses on fatigue crack propagation in welded stiffened panels. <i>Engineering Failure Analysis</i> , 2018, 84, 346-357.	4.0	87
2	Multiscale fatigue crack growth modelling for welded stiffened panels. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2014, 37, 1043-1054.	3.4	70
3	Calculation of the WÄ¶hler (S-N) curve using a two-scale model. <i>International Journal of Fatigue</i> , 2018, 114, 289-297.	5.7	47
4	Stress and fracture surface analysis of uncoated and coated 7075-T6 specimens under the rotating bending fatigue loading. <i>Engineering Failure Analysis</i> , 2020, 112, 104512.	4.0	37
5	XFEM based analysis of fatigue crack growth in damaged wing-fuselage attachment lug. <i>Engineering Failure Analysis</i> , 2020, 112, 104516.	4.0	36
6	Modelling of overload effects on fatigue crack initiation in case of carbon steel. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2017, 40, 1182-1190.	3.4	32
7	Effect of friction in a single-tooth fatigue test. <i>International Journal of Fatigue</i> , 2018, 114, 148-158.	5.7	30
8	Finite element modelling and fatigue life assessment of a cemented total hip prosthesis based on 3D scanning. <i>Engineering Failure Analysis</i> , 2020, 113, 104536.	4.0	28
9	Failure investigation of a crane gear damage. <i>Engineering Failure Analysis</i> , 2020, 115, 104613.	4.0	27
10	Fracture surfaces of Ti-6Al-4V specimens under quasi-static loading in inert and aggressive environments. <i>Engineering Failure Analysis</i> , 2019, 103, 132-143.	4.0	26
11	Fracture analysis of a total hip prosthesis based on reverse engineering. <i>Engineering Fracture Mechanics</i> , 2019, 215, 261-271.	4.3	25
12	Inspection of internal erosion-corrosion of elbow pipe in the desalination station. <i>Engineering Failure Analysis</i> , 2019, 102, 293-302.	4.0	24
13	Vibration fatigue study of the helical spring in the base-excited inerter-based isolation system. <i>Engineering Failure Analysis</i> , 2019, 103, 44-56.	4.0	20
14	Failure analysis of 3D-printed PLA components: Impact of manufacturing defects and thermal ageing. <i>Engineering Failure Analysis</i> , 2022, 136, 106214.	4.0	20
15	Low cycle fatigue life prediction of the demining tiller tool. <i>Engineering Failure Analysis</i> , 2020, 111, 104457.	4.0	19
16	Influence of local residual stresses on fatigue crack initiation. <i>Procedia Structural Integrity</i> , 2021, 31, 3-7.	0.8	17
17	Reverse engineering based integrity assessment of a total hip prosthesis. <i>Procedia Structural Integrity</i> , 2018, 13, 438-443.	0.8	16
18	Stochastic properties of bond-slip parameters at fibre pull-out. <i>Engineering Failure Analysis</i> , 2020, 111, 104478.	4.0	14

#	ARTICLE	IF	CITATIONS
19	Structural integrity and life assessment of rotating equipment. <i>Engineering Failure Analysis</i> , 2020, 113, 104561.	4.0	14
20	Composite material selection for aircraft structures based on experimental and numerical evaluation of mechanical properties. <i>Procedia Structural Integrity</i> , 2021, 31, 127-133.	0.8	14
21	Application of Design of Experiments to Foreign Object Damage on 7075-T6. <i>Procedia Structural Integrity</i> , 2021, 31, 22-27.	0.8	13
22	Experimental and numerical evaluation of fracture characteristics of composite material used in the aircraft engine cover manufacturing. <i>Engineering Failure Analysis</i> , 2022, 137, 106286.	4.0	13
23	Effect of corrosion damage on a pipeline burst pressure and repairing methods. <i>Archive of Applied Mechanics</i> , 2019, 89, 939-951.	2.2	12
24	Application of modified Locati method in fatigue strength testing of a turbo compressor blade. <i>Procedia Structural Integrity</i> , 2021, 31, 33-37.	0.8	12
25	Digital image correlation of additively manufactured CFRTP composite systems in static tensile testing. <i>Procedia Structural Integrity</i> , 2021, 31, 116-121.	0.8	11
26	Fatigue life prediction of Electric RaceAbout (ERA) traction motor rotor. <i>Procedia Structural Integrity</i> , 2021, 31, 45-50.	0.8	10
27	Assessment of API X65 steel pipe puffiness by a strain based design (SBD) approach under bi-axial loading. <i>Engineering Failure Analysis</i> , 2019, 104, 578-588.	4.0	8
28	Application of structural integrity assessment procedure on an axle pin of a wind turbine. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2017, 40, 1284-1294.	3.4	7
29	Optimization of an inerter-based vibration isolation system and helical spring fatigue life assessment. <i>Archive of Applied Mechanics</i> , 2019, 89, 859-872.	2.2	7
30	Layered model of crack growth in concrete beams in bending. <i>Procedia Structural Integrity</i> , 2021, 31, 134-139.	0.8	7
31	Optimal cutting parameter specification of newly designed milling tools based on the frequency monitoring. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 115, 777-794.	3.0	6
32	Application of digital image correlation in behavior modelling of AM CFRTP composites. <i>Engineering Failure Analysis</i> , 2022, 136, 106133.	4.0	6
33	Fatigue life assessment of the structure with widespread damage exposed to high temperature. <i>Procedia Structural Integrity</i> , 2020, 26, 402-408.	0.8	5
34	H_2 optimization and numerical study of inerter-based vibration isolation system helical spring fatigue life. <i>Archive of Applied Mechanics</i> , 2019, 89, 1221-1242.	2.2	4
35	Plastic limit pressures for cracked tube containing twin collinear axial through-wall cracks. <i>Archive of Applied Mechanics</i> , 2019, 89, 805-811.	2.2	3
36	Crack propagation in 3PB specimen made from welded joint. <i>Procedia Structural Integrity</i> , 2020, 28, 440-445.	0.8	3

#	ARTICLE	IF	CITATIONS
37	Design of the levers at the development of new self-equalizing thrust bearings. Procedia Structural Integrity, 2021, 31, 92-97.	0.8	2
38	Crystal plasticity assessment of the effect of material parameters on contact depth during spherical indentation. Continuum Mechanics and Thermodynamics, 2020, , 1.	2.2	1
39	Explicit solution of Rice/Lalanne peak probability distribution for statistical fatigue assessment in the frequency domain. Procedia Structural Integrity, 2021, 31, 98-104.	0.8	1
40	Development and analyses of a lever system for a newly designed self-equalising thrust bearing. Engineering Failure Analysis, 2022, 137, 106215.	4.0	1
41	Analysis of damaging process and crack propagation. EPJ Web of Conferences, 2010, 6, 42021.	0.3	0
42	Guest editorial: Special issue NT2F16. Fatigue and Fracture of Engineering Materials and Structures, 2017, 40, 1181-1181.	3.4	0
43	Guest Editorial: IJF Special issue of the International Conference on Structural Integrity and Durability, ICSID 2017, "Fatigue at all Scales", International Journal of Fatigue, 2018, 116, 692.	5.7	0
44	AAM Special Issue of the International Conference on Structural Integrity and Durability, ICSID 2017, "Fatigue and Fracture at all Scales", Archive of Applied Mechanics, 2019, 89, 789-789.	2.2	0
45	Closed-form solution based on peak probability density function for statistical fatigue life prediction under Broad-Band random loading. Engineering Failure Analysis, 2022, 136, 106175.	4.0	0