

Å^{1/2}eljko BoÅ^{3/4}iÄ

List of Publications by Year in descending order

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papers

735
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516710

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46
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docs citations

46
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344
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Failure analysis of 3D-printed PLA components: Impact of manufacturing defects and thermal ageing. Engineering Failure Analysis, 2022, 136, 106214.	4.0	20
3	Application of digital image correlation in behavior modelling of AM CFRTP composites. Engineering Failure Analysis, 2022, 136, 106133.	4.0	6
4	Development and analyses of a lever system for a newly designed self-equalising thrust bearing. Engineering Failure Analysis, 2022, 137, 106215.	4.0	1
5	Experimental and numerical evaluation of fracture characteristics of composite material used in the aircraft engine cover manufacturing. Engineering Failure Analysis, 2022, 137, 106286.	4.0	13
6	Optimal cutting parameter specification of newly designed milling tools based on the frequency monitoring. International Journal of Advanced Manufacturing Technology, 2021, 115, 777-794.	3.0	6
7	Digital image correlation of additively manufactured CFRTP composite systems in static tensile testing. Procedia Structural Integrity, 2021, 31, 116-121.	0.8	11
8	Fatigue life prediction of Electric RaceAbout (ERA) traction motor rotor. Procedia Structural Integrity, 2021, 31, 45-50.	0.8	10
9	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
10	Layered model of crack growth in concrete beams in bending. Procedia Structural Integrity, 2021, 31, 134-139.	0.8	7
11	Application of modified Locati method in fatigue strength testing of a turbo compressor blade. Procedia Structural Integrity, 2021, 31, 33-37.	0.8	12
12	Design of the levers at the development of new self-equalizing thrust bearings. Procedia Structural Integrity, 2021, 31, 92-97.	0.8	2
13	Composite material selection for aircraft structures based on experimental and numerical evaluation of mechanical properties. Procedia Structural Integrity, 2021, 31, 127-133.	0.8	14
14	Application of Design of Experiments to Foreign Object Damage on 7075-T6. Procedia Structural Integrity, 2021, 31, 22-27.	0.8	13
15	Influence of local residual stresses on fatigue crack initiation. Procedia Structural Integrity, 2021, 31, 3-7.	0.8	17
16	Fatigue life assessment of the structure with widespread damage exposed to high temperature. Procedia Structural Integrity, 2020, 26, 402-408.	0.8	5
17	Crystal plasticity assessment of the effect of material parameters on contact depth during spherical indentation. Continuum Mechanics and Thermodynamics, 2020, , 1.	2.2	1
18	Failure investigation of a crane gear damage. Engineering Failure Analysis, 2020, 115, 104613.	4.0	27

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19	Stochastic properties of bond-slip parameters at fibre pull-out. Engineering Failure Analysis, 2020, 111, 104478.	4.0	14
20	Low cycle fatigue life prediction of the demining tiller tool. Engineering Failure Analysis, 2020, 111, 104457.	4.0	19
21	Structural integrity and life assessment of rotating equipment. Engineering Failure Analysis, 2020, 113, 104561.	4.0	14
22	Stress and fracture surface analysis of uncoated and coated 7075-T6 specimens under the rotating bending fatigue loading. Engineering Failure Analysis, 2020, 112, 104512.	4.0	37
23	XFEM based analysis of fatigue crack growth in damaged wing-fuselage attachment lug. Engineering Failure Analysis, 2020, 112, 104516.	4.0	36
24	Finite element modelling and fatigue life assessment of a cemented total hip prosthesis based on 3D scanning. Engineering Failure Analysis, 2020, 113, 104536.	4.0	28
25	Crack propagation in 3PB specimen made from welded joint. Procedia Structural Integrity, 2020, 28, 440-445.	0.8	3
26	Optimization of an inerter-based vibration isolation system and helical spring fatigue life assessment. Archive of Applied Mechanics, 2019, 89, 859-872.	2.2	7
27	Plastic limit pressures for cracked tube containing twin collinear axial through-wall cracks. Archive of Applied Mechanics, 2019, 89, 805-811.	2.2	3
28	Assessment of API X65 steel pipe puffiness by a strain based design (SBD) approach under bi-axial loading. Engineering Failure Analysis, 2019, 104, 578-588.	4.0	8
29	Fracture surfaces of Ti-6Al-4V specimens under quasi-static loading in inert and aggressive environments. Engineering Failure Analysis, 2019, 103, 132-143.	4.0	26
30	Vibration fatigue study of the helical spring in the base-excited inerter-based isolation system. Engineering Failure Analysis, 2019, 103, 44-56.	4.0	20
31	Fracture analysis of a total hip prosthesis based on reverse engineering. Engineering Fracture Mechanics, 2019, 215, 261-271.	4.3	25
32	Inspection of internal erosion-corrosion of elbow pipe in the desalination station. Engineering Failure Analysis, 2019, 102, 293-302.	4.0	24
33	Effect of corrosion damage on a pipeline burst pressure and repairing methods. Archive of Applied Mechanics, 2019, 89, 939-951.	2.2	12
34	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
35	H_2 optimization and numerical study of inerter-based vibration isolation system helical spring fatigue life. Archive of Applied Mechanics, 2019, 89, 1221-1242.	2.2	4
36	Effect of friction in a single-tooth fatigue test. International Journal of Fatigue, 2018, 114, 148-158.	5.7	30

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37	Calculation of the Wöhler (S-N) curve using a two-scale model. International Journal of Fatigue, 2018, 114, 289-297.	5.7	47
38	The effect of residual stresses on fatigue crack propagation in welded stiffened panels. Engineering Failure Analysis, 2018, 84, 346-357.	4.0	87
39	Reverse engineering based integrity assessment of a total hip prosthesis. Procedia Structural Integrity, 2018, 13, 438-443.	0.8	16
40	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
41	Modelling of overload effects on fatigue crack initiation in case of carbon steel. Fatigue and Fracture of Engineering Materials and Structures, 2017, 40, 1182-1190.	3.4	32
42	Guest editorial: Special issue NT2F16. Fatigue and Fracture of Engineering Materials and Structures, 2017, 40, 1181-1181.	3.4	0
43	Application of structural integrity assessment procedure on an axle pin of a wind turbine. Fatigue and Fracture of Engineering Materials and Structures, 2017, 40, 1284-1294.	3.4	7
44	Multiscale fatigue crack growth modelling for welded stiffened panels. Fatigue and Fracture of Engineering Materials and Structures, 2014, 37, 1043-1054.	3.4	70
45	Analysis of damaging process and crack propagation. EPJ Web of Conferences, 2010, 6, 42021.	0.3	0