Giovanni Meneghetti

List of Publications by Year
in descending order

167 papers	3,770 citations	117625 34 h-index	168389 53 g-index
168 all docs	168 docs citations	168 times ranked	1632 citing authors

#	Article	IF	Citations
1	Analysis of the fatigue strength of a stainless steel based on the energy dissipation. International Journal of Fatigue, 2007, 29, 81-94.	5.7	281
2	Fracture mechanics and notch sensitivity. Fatigue and Fracture of Engineering Materials and Structures, 2003, 26, 257-267.	3.4	156
3	Fatigue crack initiation and propagation phases near notches in metals with low notch sensitivity. International Journal of Fatigue, 1997, 19, 647-657.	5.7	137
4	Significance of the elastic peak stress evaluated by FE analyses at the point of singularity of sharp V-notched components. Fatigue and Fracture of Engineering Materials and Structures, 2007, 30, 95-106.	3.4	121
5	Damage tolerant design of additively manufactured metallic components subjected to cyclic loading: State of the art and challenges. Progress in Materials Science, 2021, 121, 100786.	32.8	106
6	An analysis of defects influence on axial fatigue strength of maraging steel specimens produced by additive manufacturing. International Journal of Fatigue, 2019, 118, 54-64.	5.7	99
7	A unified treatment of the mode I fatigue limit of components containing notches or defects. International Journal of Fracture, 2005, 133, 61-87.	2.2	82
8	A synthesis of the pushâ€pull fatigue behaviour of plain and notched stainless steel specimens by using the specific heat loss. Fatigue and Fracture of Engineering Materials and Structures, 2013, 36, 1306-1322.	3.4	75
9	The use of the specific heat loss to analyse the low- and high-cycle fatigue behaviour of plain and notched specimens made of a stainless steel. Engineering Fracture Mechanics, 2012, 81, 2-16.	4.3	70
10	Fatigue strength of fillet welded structural steels: finite elements, strain gauges and reality. International Journal of Fatigue, 2001, 23, 713-721.	5.7	69
11	On fatigue limit in the presence of notches: classical vs. recent unified formulations. International Journal of Fatigue, 2004, 26, 289-298.	5.7	64
12	The use of peak stresses for fatigue strength assessments of welded lap joints and cover plates with toe and root failures. Engineering Fracture Mechanics, 2012, 89, 40-51.	4.3	62
13	On the operation strategy of steam power plants working at variable load: Technical and economic issues. Energy, 2012, 37, 228-236.	8.8	62
14	Material fatigue properties for assessing mechanical components weakened by notches and defects. Fatigue and Fracture of Engineering Materials and Structures, 2005, 28, 83-97.	3.4	61
15	Fatigue strength assessment of a short fiber composite based on the specific heat dissipation. Composites Part B: Engineering, 2011, 42, 217-225.	12.0	60
16	Structural Analysis of the Interior PM Rotor Considering Both Static and Fatigue Loading. IEEE Transactions on Industry Applications, 2014, 50, 253-260.	4.9	59
17	The peak stress method to estimate the mode I notch stress intensity factor in welded joints using three-dimensional finite element models. Engineering Fracture Mechanics, 2014, 115, 154-171.	4.3	52
18	Influence of build orientation on static and axial fatigue properties of maraging steel specimens produced by additive manufacturing. Procedia Structural Integrity, 2017, 7, 149-157.	0.8	52

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19	Fatigue strength assessment of partial and fullâ€penetration steel and aluminium buttâ€welded joints according to the peak stress method. Fatigue and Fracture of Engineering Materials and Structures, 2015, 38, 1419-1431.	3.4	50
20	The Peak Stress Method for Fatigue Strength Assessment of welded joints with weld toe or weld root failures. Welding in the World, Le Soudage Dans Le Monde, 2011, 55, 22-29.	2.5	49
21	The peak stress method applied to fatigue assessments of steel and aluminium filletâ€welded joints subjected to mode I loading. Fatigue and Fracture of Engineering Materials and Structures, 2008, 31, 346-369.	3.4	46
22	An hysteresis energy-based synthesis of fully reversed axial fatigue behaviour of different polypropylene composites. Composites Part B: Engineering, 2014, 65, 17-25.	12.0	42
23	Evaluating the heat energy dissipated in a small volume surrounding the tip of a fatigue crack. International Journal of Fatigue, 2016, 92, 605-615.	5.7	42
24	The peak stress method for fatigue strength assessment of tube-to-flange welded joints under torsion loading. Welding in the World, Le Soudage Dans Le Monde, 2013, 57, 265-275.	2.5	41
25	Rapid finite element evaluation of the averaged strain energy density of mixedâ€mode (Iâ€‰+â€‰II) crack tip fields including the Tâ€stress contribution. Fatigue and Fracture of Engineering Materials and Structures, 2016, 39, 982-998.	3.4	41
26	Rapid evaluation of notch stress intensity factors using the peak stress method: Comparison of commercial finite element codes for a range of mesh patterns. Fatigue and Fracture of Engineering Materials and Structures, 2018, 41, 1044-1063.	3.4	41
27	State-of-the-art review of peak stress method for fatigue strength assessment of welded joints. International Journal of Fatigue, 2020, 139, 105705.	5.7	41
28	The RIB production target for the SPES project. European Physical Journal A, 2015, 51, 1.	2.5	39
29	Averaged strain energy density evaluated rapidly from the singular peak stresses by FEM: cracked components under mixed-mode (I+II) loading. Theoretical and Applied Fracture Mechanics, 2015, 79, 113-124.	4.7	39
30	Crack initiation life in notched steel bars under torsional fatigue: Synthesis based on the averaged strain energy density approach. International Journal of Fatigue, 2017, 100, 563-574.	5.7	38
31	High-cycle fatigue crack paths in specimens having different stress concentration features. Engineering Failure Analysis, 2007, 14, 656-672.	4.0	37
32	Fatigue design of complex welded structures. International Journal of Fatigue, 2009, 31, 59-69.	5.7	36
33	Multiaxial fatigue strength assessment of welded joints using the Peak Stress Method â€" Part I: Approach and application to aluminium joints. International Journal of Fatigue, 2017, 101, 328-342.	5.7	36
34	Multiaxial fatigue strength assessment of welded joints using the Peak Stress Method â€" Part II: Application to structural steel joints. International Journal of Fatigue, 2017, 101, 343-362.	5.7	36
35	Comparison of Experimental Thermal Methods for the Fatigue Limit Evaluation of a Stainless Steel. Metals, 2019, 9, 677.	2.3	36
36	Fatigue behaviour of AA356-T6 cast aluminium alloy weakened by cracks and notches. Engineering Fracture Mechanics, 2004, 71, 759-768.	4.3	35

#	Article	IF	Citations
37	The peak stress method combined with 3D finite element models for fatigue assessment of toe and root cracking in steel welded joints subjected to axial or bending loading. Fatigue and Fracture of Engineering Materials and Structures, 2014, 37, 722-739.	3.4	35
38	Experimental analysis of bending fatigue strength of plain and notched case-hardened gear steels. International Journal of Fatigue, 2015, 80, 145-161.	5.7	35
39	Experimental analysis of contact fatigue damage in case hardened gears for off-highway axles. Engineering Failure Analysis, 2017, 76, 10-26.	4.0	34
40	Notched Ti-6Al-4V titanium bars under multiaxial fatigue: Synthesis of crack initiation life based on the averaged strain energy density. Theoretical and Applied Fracture Mechanics, 2018, 96, 509-533.	4.7	34
41	Fatigue strength assessment of welded joints: From the integration of Parisâ€™ law to a synthesis based on the notch stress intensity factors of the uncracked geometries. Engineering Fracture Mechanics, 2008, 75, 364-378.	4.3	33
42	Influence of the interface ply orientation on the fatigue behaviour of bonded joints in composite materials. International Journal of Fatigue, 2010, 32, 82-93.	5.7	32
43	An engineering estimation of fatigue thresholds from a microstructural size and Vickers hardness: application to wrought and additively manufactured metals. International Journal of Fatigue, 2020, 139, 105796.	5.7	29
44	A two-parameter, heat energy-based approach to analyse the mean stress influence on axial fatigue behaviour of plain steel specimens. International Journal of Fatigue, 2016, 82, 60-70.	5.7	28
45	Infrared thermography-based evaluation of the elastic-plastic J-integral to correlate fatigue crack growth data of a stainless steel. International Journal of Fatigue, 2019, 125, 149-160.	5.7	26
46	Fatigue limit: Crack and notch sensitivity by Finite Fracture Mechanics. Theoretical and Applied Fracture Mechanics, 2020, 105, 102407.	4.7	26
47	Estimation of the fatigue strength of light alloy welds by an equivalent notch stress analysis. International Journal of Fatigue, 2002, 24, 591-599.	5.7	25
48	Thermalâ€“electric numerical simulation of a surface ion source for the production of radioactive ion beams. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 623, 1061-1069.	1.6	25
49	Rapid estimation of notch stress intensity factors in 3D large-scale welded structures using the peak stress method. MATEC Web of Conferences, 2018, 165, 17004.	0.2	24
50	The Peak Stress Method combined with 3D finite element models to assess the fatigue strength of complex welded structures. Procedia Structural Integrity, 2019, 19, 617-626.	0.8	23
51	Crack propagation analysis in composite bonded joints under mixed-mode (I+II) static and fatigue loading: experimental investigation and phenomenological modelling. Journal of Adhesion Science and Technology, 2013, 27, 1179-1196.	2.6	22
52	An analysis of the specific heat loss at the tip of severely notched stainless steel specimens to correlate the fatigue strength. Theoretical and Applied Fracture Mechanics, 2017, 92, 240-251.	4.7	22
53	Production of high-intensity RIB at SPES. Nuclear Physics A, 2010, 834, 754c-757c.	1.5	21
54	Experimental evaluation of fatigue damage in two-stage loading tests based on the energy dissipation. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2015, 229, 1280-1291.	2.1	21

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55	Assessment of root failures in tube-to-flange steel welded joints under torsional loading according to the Peak Stress Method. Theoretical and Applied Fracture Mechanics, 2016, 83, 19-30.	4.7	21
56	The heat energy dissipated in the material structural volume to correlate the fatigue crack growth rate in stainless steel specimens. International Journal of Fatigue, 2018, 115, 107-119.	5.7	21
57	The SPES multi-foil direct target. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 4257-4260.	1.4	20
58	Spes: An intense source of Neutron-Rich Radioactive Beams at Legnaro. Journal of Physics: Conference Series, 2018, 966, 012028.	0.4	20
59	Calibration of the potential drop method by means of electric FE analyses and experimental validation for a range of crack shapes. Fatigue and Fracture of Engineering Materials and Structures, 2018, 41, 2272-2287.	3.4	20
60	Influence of defects on axial fatigue strength of maraging steel specimens produced by additive manufacturing. MATEC Web of Conferences, 2018, 165, 02005.	0.2	19
61	Multiaxial fatigue assessment of welded steel details according to the peak stress method: Industrial case studies. International Journal of Fatigue, 2019, 125, 362-380.	5.7	19
62	A Simple and Efficient Reformulation of the Classical Mansonâ€“Coffin Curve to Predict Lifetime Under Multiaxial Fatigue Loadingâ€”Part I: Plain Materials. Journal of Engineering Materials and Technology, Transactions of the ASME, 2009, 131, .	1.4	18
63	A Simple and Efficient Reformulation of the Classical Mansonâ€“Coffin Curve to Predict Lifetime Under Multiaxial Fatigue Loadingâ€”Part II: Notches. Journal of Engineering Materials and Technology, Transactions of the ASME, 2009, 131, .	1.4	18
64	Notch and mean stress effect in fatigue as phenomena of elasto-plastic inherent multiaxiality. Engineering Fracture Mechanics, 2011, 78, 1628-1643.	4.3	18
65	Ongoing characterization of the forced electron beam induced arc discharge ion source for the selective production of exotic species facility. Review of Scientific Instruments, 2014, 85, 02B918.	1.3	18
66	Calculations and first results obtained with a SiC prototype of the SPES direct target. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 4289-4293.	1.4	17
67	Comparison of the lowâ€cycle and mediumâ€cycle fatigue behaviour of ferritic, pearlitic, isothermed and austempered ductile irons. Fatigue and Fracture of Engineering Materials and Structures, 2013, 36, 913-929.	3.4	17
68	Averaged strain energy density estimated rapidly from the singular peak stresses by FEM: Cracked bars under mixed-mode (I+III) loading. Engineering Fracture Mechanics, 2016, 167, 20-33.	4.3	17
69	Analysis of crack geometry and location in notched bars by means of a three-probe potential drop technique. International Journal of Fatigue, 2019, 124, 167-187.	5.7	17
70	Rapid evaluation of notch stress intensity factors using the peak stress method with 3D tetrahedral finite element models: Comparison of commercial codes. Fatigue and Fracture of Engineering Materials and Structures, 2022, 45, 1005-1034.	3.4	16
71	Practical Application of the N-SIF Approach in Fatigue Strength Assessment of Welded Joints. Welding in the World, Le Soudage Dans Le Monde, 2009, 53, R76-R89.	2.5	15
72	Crack propagation analysis in composite bonded joints under mixed-mode (I+II) static and fatigue loading: a damage-based model. Journal of Adhesion Science and Technology, 2013, 27, 1393-1406.	2.6	15

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73	Fatigue assessment of weld toe and weld root failures in steel welded joints according to the peak stress method. Welding in the World, Le Soudage Dans Le Monde, 2016, 60, 559-572.	2.5	15
74	The Peak Stress Method applied to fatigue assessments of steel tubular welded joints subject to mode-I loading. Engineering Fracture Mechanics, 2010, 77, 2100-2114.	4.3	14
75	Unified material parameters based on full compatibility for low-cycle fatigue characterisation of as-cast and austempered ductile irons. International Journal of Fatigue, 2014, 68, 111-122.	5.7	14
76	Multiaxial fatigue assessment of tube-tube steel joints with weld ends using the peak stress method. International Journal of Fatigue, 2020, 135, 105495.	5.7	14
77	Analysis of dissipated energy and temperature fields at severe notches of AISI 304L stainless steel specimens. Frattura Ed Integrita Strutturale, 2019, 13, 334-347.	0.9	14
78	Thermalâ€"electric numerical simulation of a target for the production of radioactive ion beams. Finite Elements in Analysis and Design, 2011, 47, 559-570.	3.2	13
79	Bending fatigue design of case-hardened gears based on test specimens. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2018, 232, 1953-1969.	2.1	13
80	Static mechanical properties of virgin and recycled short glass fiberâ€reinforced polypropylene produced by pellet additive manufacturing. Fatigue and Fracture of Engineering Materials and Structures, 2021, 44, 2554-2569.	3.4	13
81	Averaged strain energy density estimated rapidly from nodal displacements by coarse FE analyses: Cracks under mixed mode loadings. Fatigue and Fracture of Engineering Materials and Structures, 2020, 43, 1658-1685.	3.4	13
82	The Heat Energy Dissipated in a Control Volume to Correlate the Fatigue Strength of Bluntly and Severely Notched Stainless Steel Specimens. Procedia Structural Integrity, 2016, 2, 2076-2083.	0.8	12
83	A heat energy dissipation approach to elastic-plastic fatigue crack propagation. Theoretical and Applied Fracture Mechanics, 2020, 105, 102405.	4.7	12
84	Estimating the multiaxial fatigue behaviour of C45 steel specimens by using the energy dissipation. International Journal of Fatigue, 2021, 151, 106381.	5.7	12
85	An analytical model based on lumped parameters for the dynamic analysis of church bells. Engineering Structures, 2010, 32, 3363-3376.	5.3	11
86	Off-line ionization tests using the surface and the plasma ion sources of the SPES project. Review of Scientific Instruments, 2012, 83, 02A907.	1.3	11
87	A Synthesis of the Fatigue Behavior of Stainless Steel Bars under Fully Reversed Axial or Torsion Loading by Using the Specific Heat Loss. Key Engineering Materials, 0, 577-578, 453-456.	0.4	11
88	The peak stress method to calculate residual notch stress intensity factors in welded joints. Fatigue and Fracture of Engineering Materials and Structures, 2018, 41, 727-738.	3.4	11
89	Analysis of the fatigue strength under two load levels of a stainless steel based on energy dissipation. EPJ Web of Conferences, 2010, 6, 38009.	0.3	10
90	Assessment of tensile fatigue limit of notches using sharp and coarse linear elastic finite element models. Theoretical and Applied Fracture Mechanics, 2016, 84, 106-118.	4.7	10

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91	A comparison of rolling contact fatigue behaviour of 17NiCrMo6â€4 caseâ€hardened disc specimens and gears. Fatigue and Fracture of Engineering Materials and Structures, 2018, 41, 2321-2337.	3.4	10
92	Calculation of 3D residual notch stress intensity factors by means of the peak stress method. Theoretical and Applied Fracture Mechanics, 2019, 100, 377-382.	4.7	10
93	Fatigue strength of austempered ductile iron-to-steel dissimilar arc-welded joints. Welding in the World, Le Soudage Dans Le Monde, 2021, 65, 667-689.	2.5	10
94	Residual Notch Stress Intensity Factors in Welded Joints Evaluated by 3D Numerical Simulations of Arc Welding Processes. Materials, 2021, 14, 812.	2.9	10
95	Estimating the intrinsic dissipation using the second harmonic of the temperature signal in tensionâ€compression fatigue: Part I. Theory. Fatigue and Fracture of Engineering Materials and Structures, 2021, 44, 2168-2185.	3.4	10
96	Automated fatigue strength assessment of arc-welded structures according to the Peak Stress Method. Procedia Structural Integrity, 2020, 28, 1062-1083.	0.8	10
97	On the correlation of temperature harmonic content with energy dissipation in C45 steel samples under fatigue loading. Mechanics of Materials, 2022, 168, 104271.	3.2	10
98	Electrical-thermal-structural finite element simulation and experimental study of a plasma ion source for the production of radioactive ion beams. Review of Scientific Instruments, 2016, 87, 033303.	1.3	9
99	A twin disc test rig for contact fatigue characterization of gear materials. Procedia Structural Integrity, 2016, 2, 3185-3193.	0.8	9
100	On-line test using multi-foil SiC target at iThemba LABS. European Physical Journal A, 2016, 52, 1.	2.5	9
101	Fatigue life prediction of lightweight electric moped frames after field load spectra collection and constant amplitude fatigue bench tests. International Journal of Fatigue, 2019, 127, 564-575.	5.7	9
102	Investigation of the crack tip stress field in a stainless steel SENT specimen by means of Thermoelastic Stress Analysis. Procedia Structural Integrity, 2019, 18, 330-346.	0.8	9
103	Engineering estimation of the fatigue limit of wrought and defective additively manufactured metals for different load ratios. International Journal of Fatigue, 2022, 154, 106530.	5.7	9
104	A literature survey on structural integrity of 3D printed virgin and recycled ABS and PP compounds. Procedia Structural Integrity, 2020, 28, 1655-1663.	0.8	9
105	Multiaxial variable amplitude fatigue strength assessment of steel welded joints using the peak stress method. International Journal of Fatigue, 2022, 163, 107089.	5.7	9
106	High torque density PM motor for racing applications. , 2017, , .		8
107	The Peak Stress Method to assess the fatigue strength of welded joints using linear elastic finite element analyses. Procedia Engineering, 2018, 213, 392-402.	1.2	8
108	Mode I fatigue limit of notched structures: A deeper insight into Finite Fracture Mechanics. International Journal of Fracture, 2021, 227, 1-13.	2.2	8

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109	Design and Optimisation of an RTM Composite Bicycle Crank. Journal of Reinforced Plastics and Composites, 2001, 20, 129-146.	3.1	7
110	Structural analysis of the interior PM rotor considering both static and fatigue loading. , 2012, , .		7
111	Thermal-electric coupled-field finite element modeling and experimental testing of high-temperature ion sources for the production of radioactive ion beams. Review of Scientific Instruments, 2016, 87, 02B502.	1.3	7
112	On the use of the Peak Stress Method for the calculation of Residual Notch Stress Intensity Factors: a preliminary investigation. Procedia Structural Integrity, 2017, 3, 191-200.	0.8	7
113	Numerical calibration and experimental validation of the direct current potential drop (DCPD) method for fracture mechanics fatigue testing of single-edge-crack round bars. International Journal of Fatigue, 2021, 150, 106316.	5.7	7
114	Numerical calibration of the direct current potential drop (DCPD) method in fracture mechanics fatigue tests. Procedia Structural Integrity, 2020, 28, 1536-1550.	0.8	7
115	Notch Fatigue and Fracture Mechanics of Austempered Ductile Irons. Key Engineering Materials, 0, 457, 181-186.	0.4	6
116	Estimating the intrinsic dissipation using the second harmonic of the temperature signal in tensionâ€compression fatigue. Part II: Experiments. Fatigue and Fracture of Engineering Materials and Structures, 2021, 44, 2153-2167.	3.4	6
117	Numerical crack growth study on porosity afflicted cast steel specimens. Frattura Ed Integrita Strutturale, 2019, 13, 58-69.	0.9	6
118	Fatigue strength of welded joints based on local, semi-local and nominal approaches. Theoretical and Applied Fracture Mechanics, 2009, 52, 55-61.	4.7	5
119	A Synthesis of the Low- and Medium-cycle Fatigue Behaviour of as-cast and Austempered Ductile Irons based on the Plastic Strain Energy. , 2014, 3, 1173-1178.		5
120	Multiaxial fatigue assessment of welded steel details according to the peak stress method based on tetra elements. MATEC Web of Conferences, 2019, 300, 19002.	0.2	5
121	Thermal and Mechanical Characterization of Carbides for High Temperature Nuclear Applications. Materials, 2021, 14, 2689.	2.9	5
122	Pure molybdenum manufactured by Laser Powder Bed Fusion: Thermal and mechanical characterization at room and high temperature. Additive Manufacturing, 2021, 47, 102277.	3.0	5
123	Automated implementation of the Peak Stress Method for the fatigue assessment of complex welded structures. Forces in Mechanics, 2022, 6, 100072.	2.8	5
124	Strain-Controlled Fatigue Behavior of a Nodular Cast Iron in Real Off-Highway Axles: Effects of Casting Skin and Strain Ratio. Metals, 2022, 12, 426.	2.3	5
125	A combined experimental and numerical approach for the control and monitoring of the SPES target during operation at high temperature. Nuclear Instruments & Methods in Physics Research B, 2016, 376, 28-32.	1.4	4
126	Analysis of the energy dissipation in multiaxial fatigue tests of AISI 304L stainless steel bars. Procedia Structural Integrity, 2018, 13, 1638-1643.	0.8	4

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127	Fatigue properties of austempered ductile iron-to-steel dissimilar arc-welded joints. Procedia Structural Integrity, 2019, 24, 190-203.	0.8	4
128	Fatigue strength of LPBF Ti6Al4V machined under flood and cryogenic lubri-cooling conditions. International Journal of Fatigue, 2022, 162, 106973.	5.7	4
129	Fully Reversed Axial Notch Fatigue Behaviour of Virgin and Recycled Polypropylene Compounds. Procedia Structural Integrity, 2016, 2, 2255-2262.	0.8	3
130	Experimental analysis of tooth-root strains in a sun gear of the final drive for an off-highway axle. Procedia Structural Integrity, 2018, 8, 276-287.	0.8	3
131	Strain energy-and stress-based approaches revisited in notch fatigue of ductile steels. MATEC Web of Conferences, 2018, 165, 14009.	0.2	3
132	Definition of nominal stress-based FAT classes of complex welded steel structures using the Peak Stress Method. Procedia Structural Integrity, 2019, 19, 627-636.	0.8	3
133	Averaged strain energy density estimated rapidly from the nodal stresses by FEM for cracks under mixed mode loadings including the T-stress contribution. Frattura Ed Integrita Strutturale, 2019, 13, 53-64.	0.9	3
134	Fatigue strength assessment of as-welded and HFMI treated welded joints according to structural and local approaches. International Journal of Fatigue, 2022, 155, 106584.	5.7	3
135	Fatigue behaviour of 3D printed virgin and recycled short-glass-fiber-reinforced and mineral-filled polypropylene. Procedia Structural Integrity, 2021, 34, 199-204.	0.8	3
136	Crack tip position evaluation and Parisâ€™ law assessment of a propagating crack by means of temperature-based approaches. Procedia Structural Integrity, 2022, 39, 528-545.	0.8	3
137	Fatigue Behaviour of a Stainless Steel Based on Energy Measurements. Key Engineering Materials, 0, 417-418, 333-336.	0.4	2
138	A Three Dimensional Graphical Aid for Fatigue Data Analysis. Key Engineering Materials, 0, 488-489, 755-758.	0.4	2
139	Notch Sensitivity on fully Reversed Axial Fatigue Behaviour of Different Polypropylene Compounds. Procedia Engineering, 2015, 109, 441-449.	1.2	2
140	On the use of the peak stress method to assess the linear elastic and the fatigue notch factors of notched components under tension. Fatigue and Fracture of Engineering Materials and Structures, 2017, 40, 1917-1927.	3.4	2
141	Experimental tests and fatigue strength assessment of a scotch yoke valve actuator. Procedia Engineering, 2018, 213, 58-68.	1.2	2
142	The Dissipated Heat Energy as a Fatigue Damage Index For Experimental Fatigue Life Estimations. Procedia Engineering, 2018, 213, 313-322.	1.2	2
143	Correlation among Energy Based Fatigue Curves and Fatigue Design Approaches. Procedia Structural Integrity, 2018, 13, 1961-1966.	0.8	2
144	Analysis and Comparison of Some LEFM Parameters. Procedia Structural Integrity, 2019, 18, 413-421.	0.8	2

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145	Fatigue crack onset by Finite Fracture Mechanics. Procedia Structural Integrity, 2019, 18, 501-506.	0.8	2
146	Preliminary Computational Analysis of Three Configurations for an Innovative Ventricular Chamber. Processes, 2020, 8, 1358.	2.8	2
147	Fat classes of welded steel details derived from the master design curve of the peak stress method. Welding in the World, Le Soudage Dans Le Monde, 2021, 65, 653-665.	2.5	2
148	Interpretation of the â€˜hot spotâ€™ approach to fatigue design of welded structures. Welding International, 1999, 13, 276-281.	0.7	1
149	Synthesis of crack initiation life in steel notched specimens under torsional fatigue based on the averaged strain energy density. Procedia Structural Integrity, 2016, 2, 1853-1860.	0.8	1
150	Evaluating the specific heat loss in severely notched stainless steel specimens for fatigue strength analyses. Procedia Structural Integrity, 2018, 9, 151-158.	0.8	1
151	The peak stress method applied to the fatigue assessment of tube-tube steel joints with weld ends under multiaxial loadings. MATEC Web of Conferences, 2019, 300, 19001.	0.2	1
152	Uniform scatter bands to analyse the fatigue strength of welded joints. Procedia Structural Integrity, 2019, 24, 66-79.	0.8	1
153	Implementation of the Peak Stress Method for the automated FEM-assisted design of welded joints subjected to constant amplitude multiaxial fatigue loads. IOP Conference Series: Materials Science and Engineering, 2022, 1214, 012022.	0.6	1
154	Fatigue of Welded Components. , 2022, , .		1
155	The Peak Stress Method applied to fatigue lifetime estimation of welded steel joints under variable amplitude multiaxial local stresses. Procedia Structural Integrity, 2022, 38, 418-427.	0.8	1
156	Estimating the fatigue thresholds of additively manufactured metallic materials with consideration of defects. Procedia Structural Integrity, 2022, 38, 70-76.	0.8	1
157	Comparison between PSM and IBESS approaches for the fatigue life estimation of weldments. Welding in the World, Le Soudage Dans Le Monde, 2022, 66, 1251-1273.	2.5	1
158	Experimental determination of fatigue strength of structural details in welded light alloys. Welding International, 1999, 13, 461-464.	0.7	0
159	A computational method based on the local approach for evaluating the fatigue life of welded joints. Welding International, 2007, 21, 347-352.	0.7	0
160	The specific heat loss combined with the thermoelastic effect for an experimental analysis of the mean stress influence on axial fatigue of stainless steel plain specimens. Frattura Ed Integrita Strutturale, 2014, 8, 191-200.	0.9	0
161	Rapid Calculation of Residual Notch Stress Intensity Factors (R- NSIFs) by Means of the Peak Stress Method. , 2018, , .		0
162	Use of the Peak Stress Method to assess the fatigue life of large welded steel structures. Procedia Structural Integrity, 2019, 19, 610-616.	0.8	0

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163	Austempered ductile iron-to-steel dissimilar arc-welded joints: fatigue strength assessment according to local approaches. Procedia Structural Integrity, 2020, 28, 1481-1502.	0.8	0
164	Critical distances approach reformulated for a better comparison of fatigue strength of materials with sharp notches. Material Design and Processing Communications, 2020, 2, e131.	0.9	0
165	Fatigue Strength Evaluation of Notched Ductile Steel Specimens Using Critical Distances. Procedia Structural Integrity, 2020, 28, 1329-1339.	0.8	0
166	An engineering approach to estimate fatigue thresholds of wrought and additively manufactured defective metallic materials. Procedia Structural Integrity, 2021, 34, 154-159.	0.8	0
167	Crack paths in multiaxial fatigue of C45 steel specimens and correlation of lifetime with the thermal energy dissipation. Frattura Ed Integrita Strutturale, 2022, 16, 525-536.	0.9	0