

Giovanni Meneghetti

List of Publications by Year in descending order

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167
papers

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117625

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168
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168
times ranked

1632
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering estimation of the fatigue limit of wrought and defective additively manufactured metals for different load ratios. <i>International Journal of Fatigue</i> , 2022, 154, 106530.	5.7	9
2	Fatigue strength assessment of as-welded and HFMI treated welded joints according to structural and local approaches. <i>International Journal of Fatigue</i> , 2022, 155, 106584.	5.7	3
3	Implementation of the Peak Stress Method for the automated FEM-assisted design of welded joints subjected to constant amplitude multiaxial fatigue loads. <i>IOP Conference Series: Materials Science and Engineering</i> , 2022, 1214, 012022.	0.6	1
4	Fatigue of Welded Components. , 2022, , .		1
5	Automated implementation of the Peak Stress Method for the fatigue assessment of complex welded structures. <i>Forces in Mechanics</i> , 2022, 6, 100072.	2.8	5
6	Rapid evaluation of notch stress intensity factors using the peak stress method with 3D tetrahedral finite element models: Comparison of commercial codes. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2022, 45, 1005-1034.	3.4	16
7	The Peak Stress Method applied to fatigue lifetime estimation of welded steel joints under variable amplitude multiaxial local stresses. <i>Procedia Structural Integrity</i> , 2022, 38, 418-427.	0.8	1
8	Crack tip position evaluation and Parisâ€™™ law assessment of a propagating crack by means of temperature-based approaches. <i>Procedia Structural Integrity</i> , 2022, 39, 528-545.	0.8	3
9	Estimating the fatigue thresholds of additively manufactured metallic materials with consideration of defects. <i>Procedia Structural Integrity</i> , 2022, 38, 70-76.	0.8	1
10	Strain-Controlled Fatigue Behavior of a Nodular Cast Iron in Real Off-Highway Axles: Effects of Casting Skin and Strain Ratio. <i>Metals</i> , 2022, 12, 426.	2.3	5
11	Comparison between PSM and IBESS approaches for the fatigue life estimation of weldments. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2022, 66, 1251-1273.	2.5	1
12	On the correlation of temperature harmonic content with energy dissipation in C45 steel samples under fatigue loading. <i>Mechanics of Materials</i> , 2022, 168, 104271.	3.2	10
13	Crack paths in multiaxial fatigue of C45 steel specimens and correlation of lifetime with the thermal energy dissipation. <i>Frattura Ed Integrita Strutturale</i> , 2022, 16, 525-536.	0.9	0
14	Fatigue strength of LPBF Ti6Al4V machined under flood and cryogenic lubri-cooling conditions. <i>International Journal of Fatigue</i> , 2022, 162, 106973.	5.7	4
15	Multiaxial variable amplitude fatigue strength assessment of steel welded joints using the peak stress method. <i>International Journal of Fatigue</i> , 2022, 163, 107089.	5.7	9
16	Mode I fatigue limit of notched structures: A deeper insight into Finite Fracture Mechanics. <i>International Journal of Fracture</i> , 2021, 227, 1-13.	2.2	8
17	Fatigue strength of austempered ductile iron-to-steel dissimilar arc-welded joints. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2021, 65, 667-689.	2.5	10
18	Residual Notch Stress Intensity Factors in Welded Joints Evaluated by 3D Numerical Simulations of Arc Welding Processes. <i>Materials</i> , 2021, 14, 812.	2.9	10

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19	Fat classes of welded steel details derived from the master design curve of the peak stress method. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2021, 65, 653-665.	2.5	2
20	Thermal and Mechanical Characterization of Carbides for High Temperature Nuclear Applications. <i>Materials</i> , 2021, 14, 2689.	2.9	5
21	Estimating the intrinsic dissipation using the second harmonic of the temperature signal in tension-compression fatigue: Part I. Theory. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2021, 44, 2168-2185.	3.4	10
22	Estimating the intrinsic dissipation using the second harmonic of the temperature signal in tension-compression fatigue. Part II: Experiments. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2021, 44, 2153-2167.	3.4	6
23	Static mechanical properties of virgin and recycled short glass fiber-reinforced polypropylene produced by pellet additive manufacturing. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2021, 44, 2554-2569.	3.4	13
24	Damage tolerant design of additively manufactured metallic components subjected to cyclic loading: State of the art and challenges. <i>Progress in Materials Science</i> , 2021, 121, 100786.	32.8	106
25	Numerical calibration and experimental validation of the direct current potential drop (DCPD) method for fracture mechanics fatigue testing of single-edge-crack round bars. <i>International Journal of Fatigue</i> , 2021, 150, 106316.	5.7	7
26	Estimating the multiaxial fatigue behaviour of C45 steel specimens by using the energy dissipation. <i>International Journal of Fatigue</i> , 2021, 151, 106381.	5.7	12
27	Pure molybdenum manufactured by Laser Powder Bed Fusion: Thermal and mechanical characterization at room and high temperature. <i>Additive Manufacturing</i> , 2021, 47, 102277.	3.0	5
28	Fatigue behaviour of 3D printed virgin and recycled short-glass-fiber-reinforced and mineral-filled polypropylene. <i>Procedia Structural Integrity</i> , 2021, 34, 199-204.	0.8	3
29	An engineering approach to estimate fatigue thresholds of wrought and additively manufactured defective metallic materials. <i>Procedia Structural Integrity</i> , 2021, 34, 154-159.	0.8	0
30	Fatigue limit: Crack and notch sensitivity by Finite Fracture Mechanics. <i>Theoretical and Applied Fracture Mechanics</i> , 2020, 105, 102407.	4.7	26
31	A heat energy dissipation approach to elastic-plastic fatigue crack propagation. <i>Theoretical and Applied Fracture Mechanics</i> , 2020, 105, 102405.	4.7	12
32	Austempered ductile iron-to-steel dissimilar arc-welded joints: fatigue strength assessment according to local approaches. <i>Procedia Structural Integrity</i> , 2020, 28, 1481-1502.	0.8	0
33	Preliminary Computational Analysis of Three Configurations for an Innovative Ventricular Chamber. <i>Processes</i> , 2020, 8, 1358.	2.8	2
34	An engineering estimation of fatigue thresholds from a microstructural size and Vickers hardness: application to wrought and additively manufactured metals. <i>International Journal of Fatigue</i> , 2020, 139, 105796.	5.7	29
35	Multiaxial fatigue assessment of tube-tube steel joints with weld ends using the peak stress method. <i>International Journal of Fatigue</i> , 2020, 135, 105495.	5.7	14
36	Critical distances approach reformulated for a better comparison of fatigue strength of materials with sharp notches. <i>Material Design and Processing Communications</i> , 2020, 2, e131.	0.9	0

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37	State-of-the-art review of peak stress method for fatigue strength assessment of welded joints. <i>International Journal of Fatigue</i> , 2020, 139, 105705.	5.7	41
38	Numerical calibration of the direct current potential drop (DCPD) method in fracture mechanics fatigue tests. <i>Procedia Structural Integrity</i> , 2020, 28, 1536-1550.	0.8	7
39	A literature survey on structural integrity of 3D printed virgin and recycled ABS and PP compounds. <i>Procedia Structural Integrity</i> , 2020, 28, 1655-1663.	0.8	9
40	Averaged strain energy density estimated rapidly from nodal displacements by coarse FE analyses: Cracks under mixed mode loadings. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2020, 43, 1658-1685.	3.4	13
41	Automated fatigue strength assessment of arc-welded structures according to the Peak Stress Method. <i>Procedia Structural Integrity</i> , 2020, 28, 1062-1083.	0.8	10
42	Fatigue Strength Evaluation of Notched Ductile Steel Specimens Using Critical Distances. <i>Procedia Structural Integrity</i> , 2020, 28, 1329-1339.	0.8	0
43	Fatigue life prediction of lightweight electric moped frames after field load spectra collection and constant amplitude fatigue bench tests. <i>International Journal of Fatigue</i> , 2019, 127, 564-575.	5.7	9
44	Comparison of Experimental Thermal Methods for the Fatigue Limit Evaluation of a Stainless Steel. <i>Metals</i> , 2019, 9, 677.	2.3	36
45	Investigation of the crack tip stress field in a stainless steel SENT specimen by means of Thermoelastic Stress Analysis. <i>Procedia Structural Integrity</i> , 2019, 18, 330-346.	0.8	9
46	Analysis and Comparison of Some LEFM Parameters. <i>Procedia Structural Integrity</i> , 2019, 18, 413-421.	0.8	2
47	Fatigue crack onset by Finite Fracture Mechanics. <i>Procedia Structural Integrity</i> , 2019, 18, 501-506.	0.8	2
48	Infrared thermography-based evaluation of the elastic-plastic J-integral to correlate fatigue crack growth data of a stainless steel. <i>International Journal of Fatigue</i> , 2019, 125, 149-160.	5.7	26
49	Analysis of crack geometry and location in notched bars by means of a three-probe potential drop technique. <i>International Journal of Fatigue</i> , 2019, 124, 167-187.	5.7	17
50	Multiaxial fatigue assessment of welded steel details according to the peak stress method: Industrial case studies. <i>International Journal of Fatigue</i> , 2019, 125, 362-380.	5.7	19
51	Calculation of 3D residual notch stress intensity factors by means of the peak stress method. <i>Theoretical and Applied Fracture Mechanics</i> , 2019, 100, 377-382.	4.7	10
52	Fatigue properties of austempered ductile iron-to-steel dissimilar arc-welded joints. <i>Procedia Structural Integrity</i> , 2019, 24, 190-203.	0.8	4
53	The peak stress method applied to the fatigue assessment of tube-tube steel joints with weld ends under multiaxial loadings. <i>MATEC Web of Conferences</i> , 2019, 300, 19001.	0.2	1
54	Multiaxial fatigue assessment of welded steel details according to the peak stress method based on tetra elements. <i>MATEC Web of Conferences</i> , 2019, 300, 19002.	0.2	5

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55	Uniform scatter bands to analyse the fatigue strength of welded joints. <i>Procedia Structural Integrity</i> , 2019, 24, 66-79.	0.8	1
56	Use of the Peak Stress Method to assess the fatigue life of large welded steel structures. <i>Procedia Structural Integrity</i> , 2019, 19, 610-616.	0.8	0
57	The Peak Stress Method combined with 3D finite element models to assess the fatigue strength of complex welded structures. <i>Procedia Structural Integrity</i> , 2019, 19, 617-626.	0.8	23
58	Definition of nominal stress-based FAT classes of complex welded steel structures using the Peak Stress Method. <i>Procedia Structural Integrity</i> , 2019, 19, 627-636.	0.8	3
59	An analysis of defects influence on axial fatigue strength of maraging steel specimens produced by additive manufacturing. <i>International Journal of Fatigue</i> , 2019, 118, 54-64.	5.7	99
60	Analysis of dissipated energy and temperature fields at severe notches of AISI 304L stainless steel specimens. <i>Frattura Ed Integrita Strutturale</i> , 2019, 13, 334-347.	0.9	14
61	Numerical crack growth study on porosity afflicted cast steel specimens. <i>Frattura Ed Integrita Strutturale</i> , 2019, 13, 58-69.	0.9	6
62	Averaged strain energy density estimated rapidly from the nodal stresses by FEM for cracks under mixed mode loadings including the T-stress contribution. <i>Frattura Ed Integrita Strutturale</i> , 2019, 13, 53-64.	0.9	3
63	Rapid evaluation of notch stress intensity factors using the peak stress method: Comparison of commercial finite element codes for a range of mesh patterns. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2018, 41, 1044-1063.	3.4	41
64	The peak stress method to calculate residual notch stress intensity factors in welded joints. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2018, 41, 727-738.	3.4	11
65	Experimental tests and fatigue strength assessment of a scotch yoke valve actuator. <i>Procedia Engineering</i> , 2018, 213, 58-68.	1.2	2
66	The Dissipated Heat Energy as a Fatigue Damage Index For Experimental Fatigue Life Estimations. <i>Procedia Engineering</i> , 2018, 213, 313-322.	1.2	2
67	Experimental analysis of tooth-root strains in a sun gear of the final drive for an off-highway axle. <i>Procedia Structural Integrity</i> , 2018, 8, 276-287.	0.8	3
68	Bending fatigue design of case-hardened gears based on test specimens. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2018, 232, 1953-1969.	2.1	13
69	Influence of defects on axial fatigue strength of maraging steel specimens produced by additive manufacturing. <i>MATEC Web of Conferences</i> , 2018, 165, 02005.	0.2	19
70	Strain energy-and stress-based approaches revisited in notch fatigue of ductile steels. <i>MATEC Web of Conferences</i> , 2018, 165, 14009.	0.2	3
71	The Peak Stress Method to assess the fatigue strength of welded joints using linear elastic finite element analyses. <i>Procedia Engineering</i> , 2018, 213, 392-402.	1.2	8
72	Evaluating the specific heat loss in severely notched stainless steel specimens for fatigue strength analyses. <i>Procedia Structural Integrity</i> , 2018, 9, 151-158.	0.8	1

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73	Correlation among Energy Based Fatigue Curves and Fatigue Design Approaches. <i>Procedia Structural Integrity</i> , 2018, 13, 1961-1966.	0.8	2
74	Analysis of the energy dissipation in multiaxial fatigue tests of AISI 304L stainless steel bars. <i>Procedia Structural Integrity</i> , 2018, 13, 1638-1643.	0.8	4
75	Rapid Calculation of Residual Notch Stress Intensity Factors (R- NSIFs) by Means of the Peak Stress Method. , 2018, , .		0
76	Rapid estimation of notch stress intensity factors in 3D large-scale welded structures using the peak stress method. <i>MATEC Web of Conferences</i> , 2018, 165, 17004.	0.2	24
77	Spes: An intense source of Neutron-Rich Radioactive Beams at Legnaro. <i>Journal of Physics: Conference Series</i> , 2018, 966, 012028.	0.4	20
78	Notched Ti-6Al-4V titanium bars under multiaxial fatigue: Synthesis of crack initiation life based on the averaged strain energy density. <i>Theoretical and Applied Fracture Mechanics</i> , 2018, 96, 509-533.	4.7	34
79	A comparison of rolling contact fatigue behaviour of 17NiCrMo6 case-hardened disc specimens and gears. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2018, 41, 2321-2337.	3.4	10
80	The heat energy dissipated in the material structural volume to correlate the fatigue crack growth rate in stainless steel specimens. <i>International Journal of Fatigue</i> , 2018, 115, 107-119.	5.7	21
81	Calibration of the potential drop method by means of electric FE analyses and experimental validation for a range of crack shapes. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2018, 41, 2272-2287.	3.4	20
82	Multiaxial fatigue strength assessment of welded joints using the Peak Stress Method – Part I: Approach and application to aluminium joints. <i>International Journal of Fatigue</i> , 2017, 101, 328-342.	5.7	36
83	On the use of the peak stress method to assess the linear elastic and the fatigue notch factors of notched components under tension. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2017, 40, 1917-1927.	3.4	2
84	Multiaxial fatigue strength assessment of welded joints using the Peak Stress Method – Part II: Application to structural steel joints. <i>International Journal of Fatigue</i> , 2017, 101, 343-362.	5.7	36
85	Experimental analysis of contact fatigue damage in case hardened gears for off-highway axles. <i>Engineering Failure Analysis</i> , 2017, 76, 10-26.	4.0	34
86	Crack initiation life in notched steel bars under torsional fatigue: Synthesis based on the averaged strain energy density approach. <i>International Journal of Fatigue</i> , 2017, 100, 563-574.	5.7	38
87	An analysis of the specific heat loss at the tip of severely notched stainless steel specimens to correlate the fatigue strength. <i>Theoretical and Applied Fracture Mechanics</i> , 2017, 92, 240-251.	4.7	22
88	On the use of the Peak Stress Method for the calculation of Residual Notch Stress Intensity Factors: a preliminary investigation. <i>Procedia Structural Integrity</i> , 2017, 3, 191-200.	0.8	7
89	High torque density PM motor for racing applications. , 2017, , .		8
90	Influence of build orientation on static and axial fatigue properties of maraging steel specimens produced by additive manufacturing. <i>Procedia Structural Integrity</i> , 2017, 7, 149-157.	0.8	52

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91	Thermal-electric coupled-field finite element modeling and experimental testing of high-temperature ion sources for the production of radioactive ion beams. <i>Review of Scientific Instruments</i> , 2016, 87, 02B502.	1.3	7
92	Electrical-thermal-structural finite element simulation and experimental study of a plasma ion source for the production of radioactive ion beams. <i>Review of Scientific Instruments</i> , 2016, 87, 033303.	1.3	9
93	Fatigue assessment of weld toe and weld root failures in steel welded joints according to the peak stress method. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2016, 60, 559-572.	2.5	15
94	Evaluating the heat energy dissipated in a small volume surrounding the tip of a fatigue crack. <i>International Journal of Fatigue</i> , 2016, 92, 605-615.	5.7	42
95	Assessment of root failures in tube-to-flange steel welded joints under torsional loading according to the Peak Stress Method. <i>Theoretical and Applied Fracture Mechanics</i> , 2016, 83, 19-30.	4.7	21
96	Averaged strain energy density estimated rapidly from the singular peak stresses by FEM: Cracked bars under mixed-mode (I+III) loading. <i>Engineering Fracture Mechanics</i> , 2016, 167, 20-33.	4.3	17
97	Synthesis of crack initiation life in steel notched specimens under torsional fatigue based on the averaged strain energy density. <i>Procedia Structural Integrity</i> , 2016, 2, 1853-1860.	0.8	1
98	The Heat Energy Dissipated in a Control Volume to Correlate the Fatigue Strength of Bluntly and Severely Notched Stainless Steel Specimens. <i>Procedia Structural Integrity</i> , 2016, 2, 2076-2083.	0.8	12
99	A twin disc test rig for contact fatigue characterization of gear materials. <i>Procedia Structural Integrity</i> , 2016, 2, 3185-3193.	0.8	9
100	Fully Reversed Axial Notch Fatigue Behaviour of Virgin and Recycled Polypropylene Compounds. <i>Procedia Structural Integrity</i> , 2016, 2, 2255-2262.	0.8	3
101	On-line test using multi-foil SiC target at iThemba LABS. <i>European Physical Journal A</i> , 2016, 52, 1.	2.5	9
102	Assessment of tensile fatigue limit of notches using sharp and coarse linear elastic finite element models. <i>Theoretical and Applied Fracture Mechanics</i> , 2016, 84, 106-118.	4.7	10
103	Rapid finite element evaluation of the averaged strain energy density of mixed-mode (I+II) crack tip fields including the $T\sigma$ stress contribution. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2016, 39, 982-998.	3.4	41
104	A combined experimental and numerical approach for the control and monitoring of the SPES target during operation at high temperature. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2016, 376, 28-32.	1.4	4
105	A two-parameter, heat energy-based approach to analyse the mean stress influence on axial fatigue behaviour of plain steel specimens. <i>International Journal of Fatigue</i> , 2016, 82, 60-70.	5.7	28
106	Notch Sensitivity on fully Reversed Axial Fatigue Behaviour of Different Polypropylene Compounds. <i>Procedia Engineering</i> , 2015, 109, 441-449.	1.2	2
107	The RIB production target for the SPES project. <i>European Physical Journal A</i> , 2015, 51, 1.	2.5	39
108	Fatigue strength assessment of partial and full penetration steel and aluminium butt-welded joints according to the peak stress method. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2015, 38, 1419-1431.	3.4	50

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109	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
110	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
111	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
112	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
113	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
114	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
115	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
116	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
117	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
118	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
119	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
120	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
121	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
122	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
123	A synthesis of the push&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
124	Comparison of the low&cycle and medium&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
125	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
126	Structural analysis of the interior PM rotor considering both static and fatigue loading. , 2012, , .		7

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127	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. <i>Engineering Fracture Mechanics</i> , 2012, 81, 2-16.	4.3	70
128	The use of peak stresses for fatigue strength assessments of welded lap joints and cover plates with toe and root failures. <i>Engineering Fracture Mechanics</i> , 2012, 89, 40-51.	4.3	62
129	On the operation strategy of steam power plants working at variable load: Technical and economic issues. <i>Energy</i> , 2012, 37, 228-236.	8.8	62
130	The Peak Stress Method for Fatigue Strength Assessment of welded joints with weld toe or weld root failures. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2011, 55, 22-29.	2.5	49
131	Notch and mean stress effect in fatigue as phenomena of elasto-plastic inherent multiaxiality. <i>Engineering Fracture Mechanics</i> , 2011, 78, 1628-1643.	4.3	18
132	Thermalâ€“electric numerical simulation of a target for the production of radioactive ion beams. <i>Finite Elements in Analysis and Design</i> , 2011, 47, 559-570.	3.2	13
133	Fatigue strength assessment of a short fiber composite based on the specific heat dissipation. <i>Composites Part B: Engineering</i> , 2011, 42, 217-225.	12.0	60
134	Influence of the interface ply orientation on the fatigue behaviour of bonded joints in composite materials. <i>International Journal of Fatigue</i> , 2010, 32, 82-93.	5.7	32
135	Thermalâ€“electric numerical simulation of a surface ion source for the production of radioactive ion beams. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2010, 623, 1061-1069.	1.6	25
136	Production of high-intensity RIB at SPES. <i>Nuclear Physics A</i> , 2010, 834, 754c-757c.	1.5	21
137	The Peak Stress Method applied to fatigue assessments of steel tubular welded joints subject to mode-I loading. <i>Engineering Fracture Mechanics</i> , 2010, 77, 2100-2114.	4.3	14
138	An analytical model based on lumped parameters for the dynamic analysis of church bells. <i>Engineering Structures</i> , 2010, 32, 3363-3376.	5.3	11
139	Analysis of the fatigue strength under two load levels of a stainless steel based on energy dissipation. <i>EPJ Web of Conferences</i> , 2010, 6, 38009.	0.3	10
140	A Simple and Efficient Reformulation of the Classical Mansonâ€“Coffin Curve to Predict Lifetime Under Multiaxial Fatigue Loadingâ€“Part I: Plain Materials. <i>Journal of Engineering Materials and Technology, Transactions of the ASME</i> , 2009, 131, .	1.4	18
141	A Simple and Efficient Reformulation of the Classical Mansonâ€“Coffin Curve to Predict Lifetime Under Multiaxial Fatigue Loadingâ€“Part II: Notches. <i>Journal of Engineering Materials and Technology, Transactions of the ASME</i> , 2009, 131, .	1.4	18
142	Fatigue design of complex welded structures. <i>International Journal of Fatigue</i> , 2009, 31, 59-69.	5.7	36
143	Fatigue strength of welded joints based on local, semi-local and nominal approaches. <i>Theoretical and Applied Fracture Mechanics</i> , 2009, 52, 55-61.	4.7	5
144	Practical Application of the N-SIF Approach in Fatigue Strength Assessment of Welded Joints. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2009, 53, R76-R89.	2.5	15

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145	Fatigue strength assessment of welded joints: From the integration of Paris's law to a synthesis based on the notch stress intensity factors of the uncracked geometries. <i>Engineering Fracture Mechanics</i> , 2008, 75, 364-378.	4.3	33
146	Calculations and first results obtained with a SiC prototype of the SPES direct target. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2008, 266, 4289-4293.	1.4	17
147	The SPES multi-foil direct target. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2008, 266, 4257-4260.	1.4	20
148	The peak stress method applied to fatigue assessments of steel and aluminium fillet-welded joints subjected to mode I loading. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2008, 31, 346-369.	3.4	46
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