

Davide Salvatore Paolino

List of Publications by Year in descending order

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93
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257357

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93
times ranked

1404
citing authors

#	ARTICLE	IF	CITATIONS
1	Statistical models for estimating the fatigue life, the stress-life relation, and the P-S-N curves of metallic materials in Very High Cycle Fatigue: A review. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2022, 45, 332-370.	1.7	27
2	Effect of friction on a crashworthiness test of flat composite plates. <i>Forces in Mechanics</i> , 2022, 6, 100070.	1.3	4
3	Size-effects affecting the fatigue response up to 10 ⁹ cycles (VHCF) of SLM AlSi10Mg specimens produced in horizontal and vertical directions. <i>International Journal of Fatigue</i> , 2022, 160, 106825.	2.8	22
4	Effects of plasma treatments of polypropylene adhesive joints used in the automotive industry. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2022, 236, 6204-6218.	1.1	5
5	Design against fatigue failures: Lower bound P-S-N curves estimation and influence of runout data. <i>International Journal of Fatigue</i> , 2022, 162, 106934.	2.8	13
6	Crack initiation behavior and fatigue performance up to very-high-cycle regime of AlSi10Mg fabricated by selective laser melting with two powder sizes. <i>International Journal of Fatigue</i> , 2021, 143, 106013.	2.8	36
7	Static strength of brittle materials under multiaxial nonuniform stress states: A novel statistical model for assessing size effects. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2021, 44, 997-1013.	1.7	3
8	Very high cycle fatigue life and critical defect size: Modeling of statistical size effects. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2021, 44, 1209-1224.	1.7	19
9	An experimental-numerical methodology for the nondestructive assessment of the dynamic elastic properties of adhesives. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1038, 012028.	0.3	0
10	A new statistical software for the estimation of P-S-N curves in presence of defects: statistical models and experimental validation. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1038, 012029.	0.3	1
11	Nondestructive determination of local material properties of laminated composites with the impulse excitation technique. <i>Composite Structures</i> , 2021, 262, 113607.	3.1	10
12	Fatigue failures from defects in additive manufactured components: A statistical methodology for the analysis of the experimental results. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2021, 44, 1944-1960.	1.7	15
13	Innovative formulation for topological fatigue optimisation based on material defects distribution and TopFat algorithm. <i>International Journal of Fatigue</i> , 2021, 147, 106176.	2.8	12
14	Residual Properties in Damaged Laminated Composites through Nondestructive Testing: A Review. <i>Materials</i> , 2021, 14, 4513.	1.3	10
15	Influence of Low-pH Beverages on the Two-Body Wear of CAD/CAM Monolithic Materials. <i>Polymers</i> , 2021, 13, 2915.	2.0	6
16	Very high cycle fatigue (VHCF) response of additively manufactured materials: A review. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2021, 44, 2919-2943.	1.7	20
17	Size-effect in Very High Cycle Fatigue: A review. <i>International Journal of Fatigue</i> , 2021, 153, 106462.	2.8	25
18	An innovative fixture for testing the crashworthiness of composite materials. <i>Frattura Ed Integrita Strutturale</i> , 2021, 15, 76-87.	0.5	4

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19	TopFat methodology implemented in a commercial software: benchmarking validation. <i>Procedia Structural Integrity</i> , 2021, 34, 221-228.	0.3	0
20	Numerical modelling of the mechanical response of lattice structures produced through AM. <i>Procedia Structural Integrity</i> , 2021, 33, 714-723.	0.3	6
21	Effect of impact speed and friction on the in-plane crashworthiness of composite plates. <i>Procedia Structural Integrity</i> , 2021, 33, 623-629.	0.3	1
22	An innovative nondestructive technique for the local assessment of residual elastic properties in laminated composites. <i>Procedia Structural Integrity</i> , 2021, 33, 347-356.	0.3	1
23	Predicting Composite Component Behavior Using Element Level Crashworthiness Tests, Finite Element Analysis and Automated Parametric Identification. <i>Materials</i> , 2020, 13, 4501.	1.3	9
24	Newly Developed Anti-Buckling Fixture to Assess the In-Plane Crashworthiness of Flat Composite Specimens. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7797.	1.3	5
25	Modelling size effects for static strength of brittle materials. <i>Materials and Design</i> , 2020, 195, 109052.	3.3	11
26	Working Length Transfer in the Endodontic Clinical Practice: A Comparative Study. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5824.	1.3	2
27	Evaluation of Pressure Distribution against Root Canal Walls of NiTi Rotary Instruments by Finite Element Analysis. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2981.	1.3	14
28	Effect of microstructure, residual stresses and building orientation on the fatigue response up to 10 ⁹ cycles of an SLM AlSi10Mg alloy. <i>International Journal of Fatigue</i> , 2020, 137, 105659.	2.8	62
29	Topology and fibre orientation simultaneous optimisation: A design methodology for fibre-reinforced composite components. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2020, 234, 1267-1279.	0.7	8
30	VHCF response of AM materials: A literature review. <i>Material Design and Processing Communications</i> , 2020, 2, e121.	0.5	1
31	Very-high-cycle fatigue behavior of Ti-6Al-4V manufactured by selective laser melting: Effect of build orientation. <i>International Journal of Fatigue</i> , 2020, 136, 105628.	2.8	82
32	Ultrasonic VHCF Tests on Very Large Specimens with Risk-Volume Up to 5000 mm ³ . <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2210.	1.3	17
33	Fatigue response up to 10 ⁹ cycles of a structural epoxy adhesive. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2020, 43, 1555-1566.	1.7	6
34	VHCF Response up to 10 ⁹ Cycles of SLM AlSi10Mg Specimens Built in a Vertical Direction. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2954.	1.3	16
35	Assessment of Residual Elastic Properties of a Damaged Composite Plate with Combined Damage Index and Finite Element Methods. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2579.	1.3	9
36	Influence of the annealing and defects on the VHCF behavior of an SLM AlSi10Mg alloy. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2019, 42, 2794-2807.	1.7	34

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37	VHCF response of heat-treated SLM Ti6Al4V Gaussian specimens with large loaded volume. <i>Procedia Structural Integrity</i> , 2019, 18, 314-321.	0.3	25
38	VHCF response of Gaussian SLM AlSi10Mg specimens: Effect of a stress relief heat treatment. <i>International Journal of Fatigue</i> , 2019, 124, 435-443.	2.8	42
39	An innovative testing technique for assessing the VHCF response of adhesively bonded joints. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2019, 42, 84-96.	1.7	8
40	VHCF response of as-built SLM AlSi10Mg specimens with large loaded volume. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2018, 41, 1918-1928.	1.7	40
41	Estimation of S-N curves in very-high-cycle fatigue: Statistical procedure based on a general crack growth rate model. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2018, 41, 718-726.	1.7	20
42	Effect of thickness on the damage tolerance of glass/epoxy laminates subject to repeated impacts. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2018, 232, 1363-1373.	1.1	6
43	Composite material components damaged by impact loading: a methodology for the assessment of their residual elastic properties. <i>Journal of Achievements in Materials and Manufacturing Engineering</i> , 2018, 1, 18-24.	0.2	3
44	Micro-CT evaluation of several glide path techniques and ProTaper Next shaping outcomes in maxillary first molar curved canals. <i>International Endodontic Journal</i> , 2017, 50, 387-397.	2.3	49
45	A novel methodology for the assessment of the residual elastic properties in damaged composite components. <i>Composite Structures</i> , 2017, 161, 435-440.	3.1	7
46	Crack growth from internal defects and related size-effect in VHCF. <i>Procedia Structural Integrity</i> , 2017, 5, 247-254.	0.3	5
47	Effect of electroslag remelting on the VHCF response of an AISI H13 steel. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2017, 40, 1783-1794.	1.7	23
48	A general model for crack growth from initial defect in Very-High-Cycle Fatigue. <i>Procedia Structural Integrity</i> , 2017, 3, 411-423.	0.3	5
49	Damaged composite laminates: Assessment of residual Young's modulus through the Impulse Excitation Technique. <i>Composites Part B: Engineering</i> , 2017, 128, 76-82.	5.9	19
50	Microstructure and preliminary fatigue analysis on AlSi10Mg samples manufactured by SLM. <i>Procedia Structural Integrity</i> , 2017, 7, 50-57.	0.3	25
51	Effect of defect size on P-S-N curves in Very-High-Cycle Fatigue. <i>Procedia Structural Integrity</i> , 2017, 7, 335-342.	0.3	7
52	Experimental-Numerical Assessment of Critical SIF from VHCF Tests. <i>Key Engineering Materials</i> , 2016, 713, 62-65.	0.4	1
53	VHCF Response of H13 Steels Produced with Different Manufacturing Processes. <i>Procedia Engineering</i> , 2016, 160, 93-100.	1.2	6
54	VHCF strength decrement in large H13 steel specimens subjected to ESR process. <i>Procedia Structural Integrity</i> , 2016, 2, 1117-1124.	0.3	22

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55	S-N curves in the very-high-cycle fatigue regime: statistical modeling based on the hydrogen embrittlement consideration. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2016, 39, 1319-1336.	1.7	43
56	Gaussian specimens for VHCF tests: Analytical prediction of damping effects. <i>International Journal of Fatigue</i> , 2016, 83, 36-41.	2.8	12
57	Influence of operator experience on non-carious cervical lesion restorations: Clinical evaluation with different adhesive systems. <i>American Journal of Dentistry</i> , 2016, 29, 33-8.	0.1	13
58	Longevity of class 2 direct restorations in root-filled teeth: A retrospective clinical study. <i>Journal of Dentistry</i> , 2015, 43, 499-505.	1.7	38
59	VHCF Response of AISI H13 Steel: assessment of Size Effects through Gaussian Specimens. <i>Procedia Engineering</i> , 2015, 109, 121-127.	1.2	21
60	Statistical distributions of Transition Fatigue Strength and Transition Fatigue Life in duplex S-N fatigue curves. <i>Theoretical and Applied Fracture Mechanics</i> , 2015, 80, 31-39.	2.1	12
61	Micro-Computed Tomography Evaluation of ProTaper Next and BioRace Shaping Outcomes in Maxillary First Molar Curved Canals. <i>Journal of Endodontics</i> , 2015, 41, 1706-1710.	1.4	51
62	Prediction of Cyclic Fatigue Life of Nickel-Titanium Rotary Files by Virtual Modeling and Finite Elements Analysis. <i>Journal of Endodontics</i> , 2015, 41, 1867-1870.	1.4	27
63	Microleakage at enamel and dentin margins with a bulk fills flowable resin. <i>European Journal of Dentistry</i> , 2014, 08, 001-008.	0.8	59
64	Duplex S-N fatigue curves: statistical distribution of the transition fatigue life. <i>Frattura Ed Integrita Strutturale</i> , 2014, 8, 417-423.	0.5	10
65	Fibre post adaptation and bond strength in oval canals. <i>International Endodontic Journal</i> , 2014, 47, 366-372.	2.3	14
66	On specimen design for size effect evaluation in ultrasonic gigacycle fatigue testing. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2014, 37, 570-579.	1.7	52
67	On the application of the stochastic approach in predicting fatigue reliability using Miner's damage rule. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2014, 37, 107-117.	1.7	15
68	Gaussian Specimens for Gigacycle Fatigue Tests: Damping Effects. <i>Procedia Engineering</i> , 2014, 74, 113-118.	1.2	4
69	Adhesive stresses in axially-loaded tubular bonded joints—Part II: Development of an explicit closed-form solution for the Lubkin and Reissner model. <i>International Journal of Adhesion and Adhesives</i> , 2014, 48, 35-42.	1.4	21
70	A unified statistical model for S-N fatigue curves: probabilistic definition. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2013, 36, 187-201.	1.7	67
71	Influence of adhesive techniques on fracture resistance of endodontically treated premolars with various residual wall thicknesses. <i>Journal of Prosthetic Dentistry</i> , 2013, 110, 376-382.	1.1	34
72	Uncertainty in fatigue loading: Consequences on statistical evaluation of reliability in service. <i>Probabilistic Engineering Mechanics</i> , 2013, 33, 38-46.	1.3	2

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73	Comparison between dog-bone and Gaussian specimens for size effect evaluation in gigacycle fatigue. <i>Frattura Ed Integrita Strutturale</i> , 2013, 7, 49-56.	0.5	18
74	Sigmoidal crack growth rate curve: statistical modelling and applications. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2013, 36, 316-326.	1.7	9
75	Post-curing conversion kinetics as functions of the irradiation time and increment thickness. <i>Journal of Applied Oral Science</i> , 2013, 21, 190-195.	0.7	15
76	Computed Micro-Tomographic Evaluation of Glide Path with Nickel-Titanium Rotary PathFile in Maxillary First Molars Curved Canals. <i>Journal of Endodontics</i> , 2012, 38, 389-393.	1.4	82
77	Canal Shaping with WaveOne Primary Reciprocating Files and ProTaper System: A Comparative Study. <i>Journal of Endodontics</i> , 2012, 38, 505-509.	1.4	172
78	Effect of Canal Length and Curvature on Working Length Alteration with WaveOne Reciprocating Files. <i>Journal of Endodontics</i> , 2011, 37, 1687-1690.	1.4	53
79	Root Canal Anatomy Preservation of WaveOne Reciprocating Files with or without Glide Path. <i>Journal of Endodontics</i> , 2011, 38, 101-4.	1.4	137
80	Investigation of influence of tab types on tensile strength of E-glass/epoxy fiber reinforced composite materials. <i>Procedia Engineering</i> , 2011, 10, 3279-3284.	1.2	29
81	Exact Inference for thepth-Quantile and the Reliability of the Two-Parameter Exponential Distribution with Singly Type II Censoring: A Standard Approach. <i>Communications in Statistics - Theory and Methods</i> , 2010, 39, 2561-2572.	0.6	10
82	On the rate of growth and extent of the steady damage accumulation phase in repeated impact tests. <i>Composites Science and Technology</i> , 2009, 69, 1693-1698.	3.8	31
83	Repeated impact response of hand lay-up and vacuum infusion thick glass reinforced laminates. <i>International Journal of Impact Engineering</i> , 2008, 35, 609-619.	2.4	87
84	A new damage index to monitor the range of the penetration process in thick laminates. <i>Composites Science and Technology</i> , 2008, 68, 2646-2652.	3.8	29
85	A finite element simulation and experimental validation of a composite bolted joint loaded in bending and torsion. <i>Composites Part A: Applied Science and Manufacturing</i> , 2007, 38, 1251-1261.	3.8	6
86	Conservative Likelihood Inference for Type I Censored Samples from the Log-Location-Scale Distributions. <i>Communications in Statistics Part B: Simulation and Computation</i> , 2007, 36, 519-533.	0.6	0
87	Comparative Response in Repeated Impact Tests of Hand Lay-Up and Vacuum Infusion Glass Reinforced Composites. , 2006, , 675.		2
88	Vacuum infusion of a composite E-glass vinylester laminate for nautical application: experimental response to repeated impacts. <i>WIT Transactions on the Built Environment</i> , 2006, , .	0.0	0
89	Analytical Design of Gigacycle Fatigue Specimens for Size Effect Evaluation. <i>Key Engineering Materials</i> , 0, 577-578, 369-372.	0.4	3
90	Gaussian Specimens for Gigacycle Fatigue Tests: Evaluation of Temperature Increment. <i>Key Engineering Materials</i> , 0, 627, 85-88.	0.4	4

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91	Different Inclusion Contents in H13 Steel: Effects on VHCF Response of Gaussian Specimens. Key Engineering Materials, 0, 665, 49-52.	0.4	9
92	Statistical Estimation of Duplex S-N Curves. Key Engineering Materials, 0, 664, 285-294.	0.4	9
93	Numerical Computation of Stress Intensity Factors in Ultrasonic Very-High-Cycle Fatigue Tests. Key Engineering Materials, 0, 754, 218-221.	0.4	1