

Giacomo Risitano

List of Publications by Year in descending order

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86
docs citations

86
times ranked

1038
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#	ARTICLE	IF	CITATIONS
1	Rapid Determination of the Fatigue Behavior at Different Stress Ratios of Steels by Measuring the Energy Release. Lecture Notes in Civil Engineering, 2023, , 589-599.	0.4	1
2	A comparison on the Energy Release between traditional and Additive Manufactured AISI 316L steel during static tensile test. IOP Conference Series: Materials Science and Engineering, 2022, 1214, 012013.	0.6	1
3	Fatigue strength of a common steel welded detail through Eurocode 3 and local strain energy values. Procedia Structural Integrity, 2022, 39, 564-573.	0.8	0
4	Fatigue strength evaluation of PPGF35 by energy approach during mechanical tests. Frattura Ed Integrita Strutturale, 2022, 16, 537-548.	0.9	0
5	Investigation of the Wettability Properties of Different Textured Lead/Lead-Free Bronze Coatings. Lubricants, 2022, 10, 82.	2.9	11
6	Correlation between mechanical behaviour and microstructural features of AISI 316L produced by SLM. Procedia Structural Integrity, 2022, 41, 199-207.	0.8	5
7	Stress distribution and failure analysis comparison between Zirconia and Titanium dental implants. Procedia Structural Integrity, 2022, 41, 680-691.	0.8	7
8	Smart Design: Application of an Automatic New Methodology for the Energy Assessment and Redesign of Hybrid Electric Vehicle Mechanical Components. Vehicles, 2022, 4, 586-607.	3.1	5
9	A New Approach for the Tribological and Mechanical Characterization of a Hip Prosthesis Trough a Numerical Model Based on Artificial Intelligence Algorithms and Humanoid Multibody Model. Lubricants, 2022, 10, 160.	2.9	9
10	Development of Machine Learning Algorithms for the Determination of the Centre of Mass. Symmetry, 2021, 13, 401.	2.2	11
11	Evaluation of the Energetic Release During Tensile tests in Notched Specimens by means of Experimental and Numerical Techniques. IOP Conference Series: Materials Science and Engineering, 2021, 1038, 012038.	0.6	5
12	Fatigue assessment of cruciform joints: Comparison between Strain Energy Density predictions and current standards and recommendations. Engineering Structures, 2021, 230, 111708.	5.3	18
13	Investigation of the Tribological Properties of Different Textured Lead Bronze Coatings under Severe Load Conditions. Lubricants, 2021, 9, 34.	2.9	23
14	Artificial Neural Network Prediction of the Optimal Setup Parameters of a Seven Degrees of Freedom Mathematical Model of a Race Car: IndyCar Case Study. Vehicles, 2021, 3, 300-329.	3.1	5
15	Energy release as a parameter for fatigue design of additive manufactured metals. Material Design and Processing Communications, 2021, 3, e255.	0.9	2
16	A Parametric Study on a Dental Implant Geometry Influence on Bone Remodelling through a Numerical Algorithm. Prosthesis, 2021, 3, 157-172.	2.9	11
17	A Neural-Network-Based Methodology for the Evaluation of the Center of Gravity of a Motorcycle Rider. Vehicles, 2021, 3, 377-389.	3.1	9
18	An Approach to the Definition of the Aerodynamic Comfort of Motorcycle Helmets. Vehicles, 2021, 3, 545-556.	3.1	1

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19	Dynamic analysis of a Drum Charger: Large amplitude vibrations of clamped circular thin plate on a linear foundation. <i>Material Design and Processing Communications</i> , 2021, 3, e265.	0.9	0
20	Performance Analysis of a Magnetorheological Shock Absorber Prototype Designed According to a Quasi-Static No-Slip Model. <i>Actuators</i> , 2021, 10, 13.	2.3	2
21	Thermal Emission analysis to predict damage in specimens of High Strength Concrete. <i>Frattura Ed Integrita Strutturale</i> , 2021, 15, 258-270.	0.9	9
22	Qualitative and Quantitative Evaluation of Different Types of Orthodontic Brackets and Archwires by Optical Microscopy and X-ray Fluorescence Spectroscopy. <i>Prosthesis</i> , 2021, 3, 342-360.	2.9	3
23	Tribological characterization of a hip prosthesis in Si3N4-TiN ceramic composite made with Electrical Discharge Machining (EDM). <i>Procedia Structural Integrity</i> , 2021, 33, 469-481.	0.8	12
24	Fatigue damage assessment in AM polymers evaluating their energy release. <i>Procedia Structural Integrity</i> , 2021, 34, 211-220.	0.8	1
25	Finite Element Analysis of OT Bridge fixed prosthesis system. <i>Procedia Structural Integrity</i> , 2021, 33, 734-747.	0.8	4
26	Fatigue damage assessment of welded HDPE details evaluating their energy release. <i>Procedia Structural Integrity</i> , 2021, 33, 724-733.	0.8	0
27	Rapid Energetic Approaches for the Fatigue Limit assessment in a medium carbon steel. <i>Procedia Structural Integrity</i> , 2021, 33, 748-756.	0.8	1
28	Fatigue assessment of a marine structural steel and comparison with Thermographic Method and Static Thermographic Method. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2020, 43, 734-743.	3.4	34
29	Chemical and Mechanical Roughening Treatments of a Supra-Nano Composite Resin Surface: SEM and Topographic Analysis. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4457.	2.5	6
30	Determination of Fatigue Limit by Static Thermographic Method and Classic Thermographic Method on Notched Specimens. <i>Procedia Structural Integrity</i> , 2020, 26, 166-174.	0.8	18
31	Energetic approach for the fatigue assessment of PE100. <i>Procedia Structural Integrity</i> , 2020, 26, 306-312.	0.8	6
32	Endo and Exoskeleton: New Technologies on Composite Materials. <i>Prosthesis</i> , 2020, 2, 1-9.	2.9	41
33	Experimental and numerical assessment of the end of the thermoelastic effect during static traction test. <i>Procedia Structural Integrity</i> , 2020, 28, 1449-1457.	0.8	4
34	Comparison of Experimental Thermal Methods for the Fatigue Limit Evaluation of a Stainless Steel. <i>Metals</i> , 2019, 9, 677.	2.3	36
35	Thermographic analysis during tensile tests and fatigue assessment of S355 steel. <i>Procedia Structural Integrity</i> , 2019, 18, 280-286.	0.8	17
36	Sandblasted and Acid Etched Titanium Dental Implant Surfaces Systematic Review and Confocal Microscopy Evaluation. <i>Materials</i> , 2019, 12, 1763.	2.9	62

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37	FEM Analysis of Dental Implant-Abutment Interface Overdenture Components and Parametric Evaluation of Equator® and Locator® Prosthodontics Attachments. <i>Materials</i> , 2019, 12, 592.	2.9	31
38	A new approach to the analysis of fatigue parameters by thermal variations during tensile tests on steel. <i>Procedia Structural Integrity</i> , 2019, 24, 651-657.	0.8	5
39	Prosthetic and Mechanical Parameters of the Facial Bone under the Load of Different Dental Implant Shapes: A Parametric Study. <i>Prosthesis</i> , 2019, 1, 41-53.	2.9	43
40	Fatigue life evaluation of car front halfshaft. <i>Procedia Structural Integrity</i> , 2018, 12, 3-8.	0.8	1
41	Evaluation of mechanical properties of polyethylene for pipes by energy approach during tensile and fatigue tests. <i>Procedia Structural Integrity</i> , 2018, 13, 1663-1669.	0.8	11
42	FEM Investigation of the Stress Distribution over Mandibular Bone Due to Screwed Overdenture Positioned on Dental Implants. <i>Materials</i> , 2018, 11, 1512.	2.9	65
43	Optical measurements and experimental investigations in repeated low-energy impacts in powerboat sandwich composites. <i>Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment</i> , 2018, 232, 234-244.	0.5	6
44	Structural optimization of a motorcycle chassis by pattern search algorithm. <i>Engineering Optimization</i> , 2017, 49, 1373-1387.	2.6	8
45	Fatigue assessment by energy approach during tensile and fatigue tests on PPGF35. <i>Procedia Structural Integrity</i> , 2017, 3, 424-431.	0.8	6
46	Determination of critical stress in high strength concrete. <i>Procedia Structural Integrity</i> , 2017, 3, 432-440.	0.8	0
47	Special Issue on "Modern Imaging Techniques in Fracture and Damage Analyses": Selected papers from the 21st European Conference of Fracture (ECF 21), held in Catania, Sicily, Italy, on 20-24 June 2016. <i>Engineering Fracture Mechanics</i> , 2017, 183, iii-iv.	4.3	0
48	Fatigue analysis of marine welded joints by means of DIC and IR images during static and fatigue tests. <i>Engineering Fracture Mechanics</i> , 2017, 183, 26-38.	4.3	33
49	Fatigue assessment by energy approach during tensile tests on AISI 304 steel. <i>Frattura Ed Integrita Strutturale</i> , 2017, 11, 201-215.	0.9	1
50	Theoretical Approach for Developing the Thermographic Method in Ultrasonic Fatigue. <i>Procedia Structural Integrity</i> , 2016, 2, 1221-1228.	0.8	2
51	Fatigue life prediction of high strength steel welded joints by Energy Approach. <i>Procedia Structural Integrity</i> , 2016, 2, 2156-2163.	0.8	6
52	An optimized method to evaluate the performance of trench isolation for railway-induced vibration. <i>Measurement: Journal of the International Measurement Confederation</i> , 2016, 94, 92-102.	5.0	13
53	Assessment of Damage Evolution in Sandwich Composite Material Subjected to Repeated Impacts by Means Optical Measurements. <i>Procedia Structural Integrity</i> , 2016, 2, 3660-3667.	0.8	16
54	A fuzzy-genetic control system in the ABS for the control of semi-active vehicle suspensions. <i>Mechatronics</i> , 2016, 39, 89-102.	3.3	15

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55	FEM Analysis of Mandibular Prosthetic Overdenture Supported by Dental Implants: Evaluation of Different Retention Methods. Computational and Mathematical Methods in Medicine, 2015, 2015, 1-16.	1.3	62
56	Thermographic method for very high cycle fatigue design in transportation engineering. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2015, 229, 1260-1270.	2.1	24
57	Fatigue Assessment by Thermal Analysis During Tensile Tests on Steel. Procedia Engineering, 2015, 109, 210-218.	1.2	12
58	Experimental analyses of SFRP material under static and fatigue loading by means of thermographic and DIC techniques. Composites Part B: Engineering, 2015, 77, 268-277.	12.0	46
59	Analysis of temperature and fracture surface of AISI4140 steel in very high cycle fatigue regime. Theoretical and Applied Fracture Mechanics, 2015, 80, 22-30.	4.7	29
60	Investigation of very high cycle fatigue by thermographic method. Frattura Ed Integrita Strutturale, 2014, 8, 569-577.	0.9	7
61	Experimental evaluation of the efficiency of trenches for the mitigation of train-induced vibrations. Transportation Research, Part D: Transport and Environment, 2014, 32, 303-315.	6.8	37
62	FEM evaluation of cemented-retained versus screw-retained dental implant single-tooth crown prosthesis. International Journal of Clinical and Experimental Medicine, 2014, 7, 817-25.	1.3	38
63	FEM and Von Mises analyses of different dental implant shapes for masticatory loading distribution. ORAL and Implantology, 2014, 7, 1-10.	0.3	36
64	Determining fatigue limits with thermal analysis of static traction tests. Fatigue and Fracture of Engineering Materials and Structures, 2013, 36, 631-639.	3.4	56
65	Isolated fracture of the capitate with rotation of the proximal fragment. Case report. Chirurgie De La Main, 2013, 32, 189-191.	0.7	4
66	Cumulative damage evaluation in multiple cycle fatigue tests taking into account energy parameters. International Journal of Fatigue, 2013, 48, 214-222.	5.7	80
67	Fatigue characterization of mechanical components in service. Frattura Ed Integrita Strutturale, 2013, 7, 143-155.	0.9	7
68	Drag Optimization of a Sport Motorbike. , 2012, , .		7
69	Periodontal Health and Caries Prevalence Evaluation in Patients Affected by Parkinson's Disease. Parkinson's Disease, 2012, 2012, 1-6.	1.1	60
70	Evaluation of Strength in the "Toronto" Osseous-Prosthesis System. EPJ Web of Conferences, 2010, 6, 21003.	0.3	0
71	Fatigue limit by thermal analysis of specimen surface in mono axial traction test. EPJ Web of Conferences, 2010, 6, 38010.	0.3	13
72	Cumulative damage evaluation of steel using infrared thermography. Theoretical and Applied Fracture Mechanics, 2010, 54, 82-90.	4.7	107

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73	A first approach to the analysis of fatigue parameters by thermal variations in static tests on plastics. Engineering Fracture Mechanics, 2010, 77, 2158-2167.	4.3	58
74	Analisi termica per la valutazione del comportamento a fatica di provini soggetti a successive serie di carichi. Frattura Ed Integrita Strutturale, 2010, 4, 88-99.	0.9	2
75	L'importanza del "parametro energetico" temperatura per la caratterizzazione dinamica dei materiali. Frattura Ed Integrita Strutturale, 2009, 3, 113-124.	0.9	12
76	A Concurrent Design Method Based on DFMA's FEA Integrated Approach. Concurrent Engineering Research and Applications, 2009, 17, 183-202.	3.2	17
77	Parametric analysis of the strength in the "Toronto" osseous-prosthesis system. Minerva Stomatologica: A Journal on Dentistry and Maxillofacial Surgery, 2009, 58, 9-23.	1.3	37
78	Vibrations of railway bridges for high speed trains under moving loads varying in time. Engineering Structures, 2008, 30, 724-732.	5.3	32
79	Cemented-retained vs screw-retained implant restorations: an investigation on 1939 dental implants. Minerva Stomatologica: A Journal on Dentistry and Maxillofacial Surgery, 2008, 57, 167-79.	1.3	28
80	Fatigue Prediction by Thermographic Method of Aluminum Alloy 6082 Panels: Comparison Between FSW and MIG Welding. Journal of Ship Production, 2007, 23, 215-222.	0.2	10
81	Clinical results and thoughts on sensory nerve repair by autologous vein graft in emergency hand reconstruction. Chirurgie De La Main, 2002, 21, 194-197.	0.7	49
82	Determination of Fatigue Limit by Mono-Axial Tensile Specimens Using Thermal Analysis. Key Engineering Materials, 0, 452-453, 361-364.	0.4	9
83	Experimental Study to Verify the Fatigue Limit Found by Thermal Analysis of Specimen Surface in Mono Axial Traction Test. Key Engineering Materials, 0, 488-489, 795-798.	0.4	6
84	Analysis of the Structural Behavior of Racing Motorcycle Swingarms. , 0, , .		1
85	On the influence of the elastic characteristics of composite materials on the vibrating properties. JVC/Journal of Vibration and Control, 0, , 107754632210982.	2.6	1