

Giacomo Risitano

List of Publications by Year in descending order

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85
papers

1,529
citations

257450

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345221

36
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86
all docs

86
docs citations

86
times ranked

1038
citing authors

#	ARTICLE	IF	CITATIONS
1	Cumulative damage evaluation of steel using infrared thermography. Theoretical and Applied Fracture Mechanics, 2010, 54, 82-90.	4.7	107
2	Cumulative damage evaluation in multiple cycle fatigue tests taking into account energy parameters. International Journal of Fatigue, 2013, 48, 214-222.	5.7	80
3	FEM Investigation of the Stress Distribution over Mandibular Bone Due to Screwed Overdenture Positioned on Dental Implants. Materials, 2018, 11, 1512.	2.9	65
4	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
5	Sandblasted and Acid Etched Titanium Dental Implant Surfaces Systematic Review and Confocal Microscopy Evaluation. Materials, 2019, 12, 1763.	2.9	62
6	Periodontal Health and Caries Prevalence Evaluation in Patients Affected by Parkinson's Disease. Parkinson's Disease, 2012, 2012, 1-6.	1.1	60
7	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
8	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
9	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
10	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
11	Prosthetic and Mechanical Parameters of the Facial Bone under the Load of Different Dental Implant Shapes: A Parametric Study. Prosthesis, 2019, 1, 41-53.	2.9	43
12	Endo and Exoskeleton: New Technologies on Composite Materials. Prosthesis, 2020, 2, 1-9.	2.9	41
13	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
14	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
15	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
16	Comparison of Experimental Thermal Methods for the Fatigue Limit Evaluation of a Stainless Steel. Metals, 2019, 9, 677.	2.3	36
17	FEM and Von Mises analyses of different dental implant shapes for masticatory loading distribution. ORAL and Implantology, 2014, 7, 1-10.	0.3	36
18	Fatigue assessment of a marine structural steel and comparison with Thermographic Method and Static Thermographic Method. Fatigue and Fracture of Engineering Materials and Structures, 2020, 43, 734-743.	3.4	34

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19	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
20	Vibrations of railway bridges for high speed trains under moving loads varying in time. <i>Engineering Structures</i> , 2008, 30, 724-732.	5.3	32
21	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
22	Analysis of temperature and fracture surface of AISI4140 steel in very high cycle fatigue regime. <i>Theoretical and Applied Fracture Mechanics</i> , 2015, 80, 22-30.	4.7	29
23	Cemented-retained vs screw-retained implant restorations: an investigation on 1939 dental implants. <i>Minerva Stomatologica: A Journal on Dentistry and Maxillofacial Surgery</i> , 2008, 57, 167-79.	1.3	28
24	Thermographic method for very high cycle fatigue design in transportation engineering. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2015, 229, 1260-1270.	2.1	24
25	Investigation of the Tribological Properties of Different Textured Lead Bronze Coatings under Severe Load Conditions. <i>Lubricants</i> , 2021, 9, 34.	2.9	23
26	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
27	Fatigue assessment of cruciform joints: Comparison between Strain Energy Density predictions and current standards and recommendations. <i>Engineering Structures</i> , 2021, 230, 111708.	5.3	18
28	A Concurrent Design Method Based on DFMA's FEA Integrated Approach. <i>Concurrent Engineering Research and Applications</i> , 2009, 17, 183-202.	3.2	17
29	Thermographic analysis during tensile tests and fatigue assessment of S355 steel. <i>Procedia Structural Integrity</i> , 2019, 18, 280-286.	0.8	17
30	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
31	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
32	Fatigue limit by thermal analysis of specimen surface in mono axial traction test. <i>EPJ Web of Conferences</i> , 2010, 6, 38010.	0.3	13
33	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
34	L'importanza del "parametro energetico" temperatura per la caratterizzazione dinamica dei materiali. <i>Frattura Ed Integrita Strutturale</i> , 2009, 3, 113-124.	0.9	12
35	Fatigue Assessment by Thermal Analysis During Tensile Tests on Steel. <i>Procedia Engineering</i> , 2015, 109, 210-218.	1.2	12
36	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

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37	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
38	Development of Machine Learning Algorithms for the Determination of the Centre of Mass. <i>Symmetry</i> , 2021, 13, 401.	2.2	11
39	A Parametric Study on a Dental Implant Geometry Influence on Bone Remodelling through a Numerical Algorithm. <i>Prosthesis</i> , 2021, 3, 157-172.	2.9	11
40	Investigation of the Wettability Properties of Different Textured Lead/Lead-Free Bronze Coatings. <i>Lubricants</i> , 2022, 10, 82.	2.9	11
41	Fatigue Prediction by Thermographic Method of Aluminum Alloy 6082 Panels: Comparison Between FSW and MIG Welding. <i>Journal of Ship Production</i> , 2007, 23, 215-222.	0.2	10
42	Determination of Fatigue Limit by Mono-Axial Tensile Specimens Using Thermal Analysis. <i>Key Engineering Materials</i> , 0, 452-453, 361-364.	0.4	9
43	A Neural-Network-Based Methodology for the Evaluation of the Center of Gravity of a Motorcycle Rider. <i>Vehicles</i> , 2021, 3, 377-389.	3.1	9
44	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
45	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. <i>Lubricants</i> , 2022, 10, 160.	2.9	9
46	Structural optimization of a motorcycle chassis by pattern search algorithm. <i>Engineering Optimization</i> , 2017, 49, 1373-1387.	2.6	8
47	Drag Optimization of a Sport Motorbike. , 2012, , .		7
48	Fatigue characterization of mechanical components in service. <i>Frattura Ed Integrita Strutturale</i> , 2013, 7, 143-155.	0.9	7
49	Investigation of very high cycle fatigue by thermographyc method. <i>Frattura Ed Integrita Strutturale</i> , 2014, 8, 569-577.	0.9	7
50	Stress distribution and failure analysis comparison between Zirconia and Titanium dental implants. <i>Procedia Structural Integrity</i> , 2022, 41, 680-691.	0.8	7
51	Experimental Study to Verify the Fatigue Limit Found by Thermal Analysis of Specimen Surface in Mono Axial Traction Test. <i>Key Engineering Materials</i> , 0, 488-489, 795-798.	0.4	6
52	Fatigue life prediction of high strength steel welded joints by Energy Approach. <i>Procedia Structural Integrity</i> , 2016, 2, 2156-2163.	0.8	6
53	Fatigue assessment by energy approach during tensile and fatigue tests on PPGF35. <i>Procedia Structural Integrity</i> , 2017, 3, 424-431.	0.8	6
54	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

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55	Energetic approach for the fatigue assessment of PE100. <i>Procedia Structural Integrity</i> , 2020, 26, 306-312.	0.8	6
56	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
57	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
58	Evaluation of the Energetic Release During Tensile tests in Notched Specimens by means of Experimental and Numerical Techniques. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1038, 012038.	0.6	5
59	Artificial Neural Network Prediction of the Optimal Setup Parameters of a Seven Degrees of Freedom Mathematical Model of a Race Car: IndyCar Case Study. <i>Vehicles</i> , 2021, 3, 300-329.	3.1	5
60	Correlation between mechanical behaviour and microstructural features of AISI 316L produced by SLM. <i>Procedia Structural Integrity</i> , 2022, 41, 199-207.	0.8	5
61	Smart Design: Application of an Automatic New Methodology for the Energy Assessment and Redesign of Hybrid Electric Vehicle Mechanical Components. <i>Vehicles</i> , 2022, 4, 586-607.	3.1	5
62	Isolated fracture of the capitate with rotation of the proximal fragment. Case report. <i>Chirurgie De La Main</i> , 2013, 32, 189-191.	0.7	4
63	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
64	Finite Element Analysis of OT Bridge fixed prosthesis system. <i>Procedia Structural Integrity</i> , 2021, 33, 734-747.	0.8	4
65	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
66	Analisi termica per la valutazione del comportamento a fatica di provini soggetti a successive serie di carichi. <i>Frattura Ed Integrita Strutturale</i> , 2010, 4, 88-99.	0.9	2
67	Theoretical Approach for Developing the Thermographic Method in Ultrasonic Fatigue. <i>Procedia Structural Integrity</i> , 2016, 2, 1221-1228.	0.8	2
68	Energy release as a parameter for fatigue design of additive manufactured metals. <i>Material Design and Processing Communications</i> , 2021, 3, e255.	0.9	2
69	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
70	Analysis of the Structural Behavior of Racing Motorcycle Swingarms. , 0, , .		1
71	Fatigue life evaluation of car front halfshaft. <i>Procedia Structural Integrity</i> , 2018, 12, 3-8.	0.8	1
72	An Approach to the Definition of the Aerodynamic Comfort of Motorcycle Helmets. <i>Vehicles</i> , 2021, 3, 545-556.	3.1	1

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73	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
74	Fatigue damage assessment in AM polymers evaluating their energy release. <i>Procedia Structural Integrity</i> , 2021, 34, 211-220.	0.8	1
75	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
76	A comparison on the Energy Release between traditional and Additive Manufactured AISI 316L steel during static tensile test. <i>IOP Conference Series: Materials Science and Engineering</i> , 2022, 1214, 012013.	0.6	1
77	On the influence of the elastic characteristics of composite materials on the vibrating properties. <i>JVC/Journal of Vibration and Control</i> , 0, , 107754632210982.	2.6	1
78	Rapid Determination of the Fatigue Behavior at Different Stress Ratios of Steels by Measuring the Energy Release. <i>Lecture Notes in Civil Engineering</i> , 2023, , 589-599.	0.4	1
79	Evaluation of Strength in the "Toronto" Osseous-Prosthesis System. <i>EPJ Web of Conferences</i> , 2010, 6, 21003.	0.3	0
80	Determination of critical stress in high strength concrete. <i>Procedia Structural Integrity</i> , 2017, 3, 432-440.	0.8	0
81	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
82	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
83	Fatigue damage assessment of welded HDPE details evaluating their energy release. <i>Procedia Structural Integrity</i> , 2021, 33, 724-733.	0.8	0
84	Fatigue strength of a common steel welded detail through Eurocode 3 and local strain energy values. <i>Procedia Structural Integrity</i> , 2022, 39, 564-573.	0.8	0
85	Fatigue strength evaluation of PPGF35 by energy approach during mechanical tests. <i>Frattura Ed Integrita Strutturale</i> , 2022, 16, 537-548.	0.9	0