

Gennaro Scarselli

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

770
citations

430442

18
h-index

552369

26
g-index

53
all docs

53
docs citations

53
times ranked

585
citing authors

#	ARTICLE	IF	CITATIONS
1	Carrera unified formulation (CUF) for the analysis of disbonds in single lap joints (SLJ). , 2022, , .		0
2	Finite difference 3D model for structural health monitoring of single lap joints. , 2022, , .		0
3	Shear buckling of aerospace panels made by induction welded thermoplastic matrix composite elements. <i>Polymer Composites</i> , 2022, 43, 4544-4555.	2.3	8
4	Co-curing bonding of carbon fibre/epoxy composite joints with excellent structure integrity using carbon fibre/PEEK tapes. <i>Composites Science and Technology</i> , 2022, 227, 109567.	3.8	9
5	Attitude dynamics and control of a large flexible space structure by means of a minimum complexity model. <i>Acta Astronautica</i> , 2022, 198, 124-134.	1.7	7
6	Active SHM for composite pipes using piezoelectric sensors. <i>Materials Today: Proceedings</i> , 2021, 34, 1-9.	0.9	8
7	Stress relaxation in asymmetric bistable composites: Experiments and simulations. <i>Materials Today: Proceedings</i> , 2021, 34, 10-15.	0.9	2
8	Adhesion Improvement of Thermoplastics-Based Composites by Atmospheric Plasma and UV Treatments. <i>Applied Composite Materials</i> , 2021, 28, 71-89.	1.3	27
9	Time-dependent shape of bistable unsymmetric carbon fibers-epoxy thin laminates. <i>Smart Materials and Structures</i> , 2021, 30, 035004.	1.8	3
10	Thermomechanical analysis of riveted carbon fiber laminates for aerospace applications. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2021, 44, 2751-2763.	1.7	1
11	Interlaminar fracture toughness of aerospace-grade carbon fibre reinforced plastics interleaved with thermoplastic veils. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020, 128, 105642.	3.8	54
12	Rapid surface activation of carbon fibre reinforced PEEK and PPS composites by high-power UV-irradiation for the adhesive joining of dissimilar materials. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020, 137, 105976.	3.8	24
13	Significantly enhanced structural integrity of adhesively bonded PPS and PEEK composite joints by rapidly UV-irradiating the substrates. <i>Composites Science and Technology</i> , 2020, 199, 108358.	3.8	21
14	Buckling Behavior of Poly-Phenylene-Sulfide/Carbon L-Shaped Stringers and a Stiffened Panel Obtained by Induction Welding. <i>Frontiers in Materials</i> , 2020, 7, .	1.2	3
15	Mode-II fracture behaviour of aerospace-grade carbon fibre/epoxy composites interleaved with thermoplastic veils. <i>Composites Science and Technology</i> , 2020, 191, 108065.	3.8	43
16	Non-linear Lamb Waves for Locating Defects in Single-Lap Joints. <i>Frontiers in Built Environment</i> , 2020, 6, .	1.2	15
17	Improving the electrical conductivity and fracture toughness of carbon fibre/epoxy composites by interleaving MWCNT-doped thermoplastic veils. <i>Composites Science and Technology</i> , 2019, 182, 107775.	3.8	46
18	An innovative method based on nonlinear Lamb waves for locating disbonds in Single-Lap joints. , 2019, , .		3

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19	Subharmonics and beating: A new approach to Local Defect Resonance for bonded single lap joints. <i>Journal of Sound and Vibration</i> , 2019, 456, 289-305.	2.1	17
20	Elastic waves interference for the analysis of disbonds in single lap joints. <i>Mechanical Systems and Signal Processing</i> , 2019, 128, 340-351.	4.4	27
21	Development and application of an in-flight Structural Health Monitoring system. <i>Proceedings of Meetings on Acoustics</i> , 2019, , .	0.3	2
22	Simulation and Test of Discrete Mobile Surfaces for a RC-Aircraft. <i>Aerospace</i> , 2019, 6, 122.	1.1	2
23	Finite difference model of wave motion for structural health monitoring of single lap joints. <i>International Journal of Solids and Structures</i> , 2019, 161, 219-227.	1.3	18
24	Low energy actuation technique of bistable composites for aircraft morphing. <i>Aerospace Science and Technology</i> , 2018, 75, 35-46.	2.5	67
25	Nonlinearities Associated with Impaired Sensors in a Typical SHM Experimental Set-Up. <i>Electronics (Switzerland)</i> , 2018, 7, 303.	1.8	3
26	Mechanical characterization of bistable laminates for very small aircraft morphing applications. , 2018, , .		1
27	SHM of aerospace bonded structures with improved techniques based on NEWS. , 2018, , .		6
28	A novel nonlinear damage resonance intermodulation effect for structural health monitoring. , 2017, , .		0
29	Numerical and experimental study of bistable plates for morphing structures. <i>Proceedings of SPIE</i> , 2017, , .	0.8	6
30	Analysis of debonding in single lap joints based on employment of ultrasounds. <i>Proceedings of SPIE</i> , 2017, , .	0.8	9
31	Non-linear methods based on ultrasonic waves to analyse disbonds in single lap joints. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2017, 231, 3066-3076.	1.1	18
32	Nonlinear imaging of damage in composite structures using sparse ultrasonic sensor arrays. <i>Structural Control and Health Monitoring</i> , 2017, 24, e1911.	1.9	32
33	Reduced-Order Short-Period Model of Flexible Aircraft. <i>Journal of Guidance, Control, and Dynamics</i> , 2017, 40, 2017-2029.	1.6	17
34	Adhesive joints with improved mechanical properties for aerospace applications. <i>International Journal of Adhesion and Adhesives</i> , 2017, 75, 174-180.	1.4	55
35	On the generation of nonlinear damage resonance intermodulation for elastic wave spectroscopy. <i>Journal of the Acoustical Society of America</i> , 2017, 141, 2364-2374.	0.5	36
36	SHM of single lap adhesive joints using subharmonic frequencies. <i>Smart Materials and Structures</i> , 2017, 26, 105018.	1.8	28

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37	A novel bistable energy harvesting concept. Smart Materials and Structures, 2016, 25, 055001.	1.8	41
38	Bioinspired twisted composites based on Bouligand structures. Proceedings of SPIE, 2016, , .	0.8	8
39	An Analytical Model for Defect Depth Estimation Using Pulsed Thermography. Experimental Mechanics, 2016, 56, 1111-1122.	1.1	14
40	Nonlinear elastic wave tomography for the imaging of corrosion damage. Ultrasonics, 2015, 62, 147-155.	2.1	25
41	Modeling of thermal wave propagation in damaged composites with internal source. , 2015, , .		0
42	Structural behaviour modelling of bolted joints in composite laminates subjected to cyclic loading. Aerospace Science and Technology, 2015, 43, 89-95.	2.5	19
43	Nonlinear Imaging Method Using Second Order Phase Symmetry Analysis and Inverse Filtering. Journal of Nondestructive Evaluation, 2015, 34, 1.	1.1	20
44	Non-destructive testing techniques based on nonlinear methods for assessment of debonding in single lap joints. Proceedings of SPIE, 2015, , .	0.8	4
45	Nonlinear damage detection in composite structures using bispectral analysis. Proceedings of SPIE, 2014, , .	0.8	7
46	Corrosion of stainless steel grades in H ₂ O/KOH 50% at 120°C: AISI304 austenitic and 2205 duplex. Materials and Corrosion - Werkstoffe Und Korrosion, 2013, 64, 988-995.	0.8	2
47	Preliminary Optimization of the Sonic Boom Properties for Civil Supersonic Aircraft. Journal of Aircraft, 2013, 50, 1295-1299.	1.7	1
48	Corrosion of stainless steel grades in molten NaOH/KOH eutectic at 250°C: AISI304 austenitic and 2205 duplex. Materials and Corrosion - Werkstoffe Und Korrosion, 2012, 63, n/a-n/a.	0.8	4
49	Mistuning Effects Evaluation on Turbomachine Dynamic Behaviour using Genetic Algorithms. International Journal of Acoustics and Vibrations, 2011, 16, .	0.3	1
50	Sensitivity Investigation of Aircraft Engine Noise to Operational Parameters. , 2010, , .		4
51	Sonic Boom Minimization Through a Simplified Approach for the Preliminary Design of Civil Supersonic Aircraft. , 2010, , .		0
52	Numerical simulation, experimental comparison with noise measurements and sound synthesis of airframe noise. , 2007, , .		2