

Marcias J Martinez

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

574
citations

759233

12
h-index

642732

23
g-index

37
all docs

37
docs citations

37
times ranked

598
citing authors

#	ARTICLE	IF	CITATIONS
1	Pulsed thermography for non-destructive evaluation and damage growth monitoring of bonded repairs. <i>Composite Structures</i> , 2009, 88, 112-120.	5.8	99
2	Mechanical behaviour of thermoplastic composites spot-welded and mechanically fastened joints: A preliminary comparison. <i>Composites Part B: Engineering</i> , 2017, 112, 224-234.	12.0	61
3	Fatigue crack growth in residual stress fields. <i>International Journal of Fatigue</i> , 2016, 87, 326-338.	5.7	59
4	Derivation and experimental validation of Lamb wave equations for an n-layered anisotropic composite laminate. <i>Composite Structures</i> , 2014, 111, 566-579.	5.8	49
5	Load monitoring for active control of wind turbines. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 41, 189-201.	16.4	35
6	Structural health monitoring of bonded composite repairs – A critical comparison between ultrasonic Lamb wave approach and surface mounted crack sensor approach. <i>Composites Part B: Engineering</i> , 2013, 47, 26-34.	12.0	34
7	Effects of composite lamina properties on fundamental Lamb wave mode dispersion characteristics. <i>Composite Structures</i> , 2015, 124, 236-252.	5.8	31
8	Design and verification of a smart wing for an extreme-agility micro-air-vehicle. <i>Smart Materials and Structures</i> , 2011, 20, 125007.	3.5	21
9	Single-walled carbon nanotube–modified epoxy thin films for continuous crack monitoring of metallic structures. <i>Structural Health Monitoring</i> , 2012, 11, 589-601.	7.5	17
10	Finite element analysis of broken fiber effects on the performance of active fiber composites. <i>Composite Structures</i> , 2009, 88, 491-496.	5.8	16
11	A Hybrid Structural Health Monitoring System for the Detection and Localization of Damage in Composite Structures. <i>Journal of Sensors</i> , 2014, 2014, 1-10.	1.1	16
12	Design and Verification of a Smart Wing for an Extremely-Agile Micro-Air-Vehicle. , 2009, , .		15
13	iFEM benchmark problems for solid elements. <i>Smart Materials and Structures</i> , 2019, 28, 065003.	3.5	14
14	Mode I fracture toughness of hybrid co-cured Al-CFRP and NiTi-CFRP interfaces: An experimental and computational study. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020, 135, 105925.	7.6	13
15	Load monitoring of aerospace structures utilizing micro-electro-mechanical systems for static and quasi-static loading conditions. <i>Smart Materials and Structures</i> , 2012, 21, 115001.	3.5	11
16	Experimental Evaluation of the Morphing Leading Edge Concept. , 2015, , .		10
17	Experimental evaluation of a morphing leading edge concept. <i>Journal of Intelligent Material Systems and Structures</i> , 2019, 30, 2953-2969.	2.5	10
18	Broadband signal reconstruction for SHM: An experimental and numerical time reversal methodology. <i>Journal of Intelligent Material Systems and Structures</i> , 2021, 32, 1043-1058.	2.5	10

#	ARTICLE	IF	CITATIONS
19	Residual stress effects of a fatigue crack on guided lamb waves. Smart Materials and Structures, 2017, 26, 115004.	3.5	9
20	Development of Generic Methodology for Designing a Structural Health Monitoring Installation Based on the Acoustic Emission Technique. Procedia CIRP, 2014, 22, 103-108.	1.9	7
21	Evaluation of mode II fatigue disbonding using Central Cut Plies specimen and distributed strain sensing technology. Journal of Adhesion, 2019, 95, 259-285.	3.0	6
22	Strain Monitoring Using a Rayleigh Backscattering System for a Composite UAV Wing Instrumented with an Embedded Optical Fiber. Advanced Materials Research, 0, 1135, 1-19.	0.3	5
23	A Novel Approach to a Piezoelectric Sensing Element. Journal of Sensors, 2010, 2010, 1-5.	1.1	3
24	Artificial seeding of fatigue cracks in NDI reference coupons. Insight: Non-Destructive Testing and Condition Monitoring, 2010, 52, 664-671.	0.6	3
25	Load Monitoring of Aerospace Structures Using Micro-Electro-Mechanical Systems (MEMS). , 2012, , .		3
26	When Conservation Meets Engineering: Predicting the Damaging Effects of Vibrations on Pastel Paintings. Studies in Conservation, 2018, 63, 418-420.	1.1	3
27	Wave Mode Identification of Acoustic Emission Signals Using Phase Analysis. Acoustics, 2019, 1, 450-472.	1.4	3
28	Accuracy of strain measurement systems on a non-isotropic material and its uncertainty on finite element analysis. Journal of Strain Analysis for Engineering Design, 2021, 56, 76-95.	1.8	3
29	Demonstration of an instrumented patch. , 2007, , .		2
30	Finite Element Analysis of Broken Fiber Effects on Hollow Active Fiber Composites. Journal of Intelligent Material Systems and Structures, 2010, 21, 107-113.	2.5	2
31	Residual stress evaluation of adhesively bonded composite using central cut plies specimens. Journal of Adhesion, 2020, 96, 1355-1384.	3.0	2
32	Finite element modeling of actuated fibre composites. WIT Transactions on the Built Environment, 2006, , .	0.0	1
33	Damage quantification using smart patch system for hot spot monitoring. Proceedings of SPIE, 2010, , .	0.8	0
34	MEMS inertial sensors for load monitoring of wind turbine blades. Proceedings of SPIE, 2015, , .	0.8	0
35	In-Situ Characterization of Isotropic and Transversely Isotropic Elastic Properties Using Ultrasonic Wave Velocities. Materials Performance and Characterization, 2016, 5, MPC20150021.	0.3	0