

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 | Accuracy of strain measurement systems on a non-isotropic material and its uncertainty on finite element analysis. <i>Journal of Strain Analysis for Engineering Design</i> , 2021, 56, 76-95. | 1.8 | 3 |
| 2 | 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 |
| 3 | Residual stress evaluation of adhesively bonded composite using central cut plies specimens. <i>Journal of Adhesion</i> , 2020, 96, 1355-1384. | 3.0 | 2 |
| 4 | 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 |
| 5 | Experimental evaluation of a morphing leading edge concept. <i>Journal of Intelligent Material Systems and Structures</i> , 2019, 30, 2953-2969. | 2.5 | 10 |
| 6 | Wave Mode Identification of Acoustic Emission Signals Using Phase Analysis. <i>Acoustics</i> , 2019, 1, 450-472. | 1.4 | 3 |
| 7 | iFEM benchmark problems for solid elements. <i>Smart Materials and Structures</i> , 2019, 28, 065003. | 3.5 | 14 |
| 8 | Evaluation of mode II fatigue disbonding using Central Cut Plies specimen and distributed strain sensing technology. <i>Journal of Adhesion</i> , 2019, 95, 259-285. | 3.0 | 6 |
| 9 | When Conservation Meets Engineering: Predicting the Damaging Effects of Vibrations on Pastel Paintings. <i>Studies in Conservation</i> , 2018, 63, 418-420. | 1.1 | 3 |
| 10 | 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 |
| 11 | Residual stress effects of a fatigue crack on guided lamb waves. <i>Smart Materials and Structures</i> , 2017, 26, 115004. | 3.5 | 9 |
| 12 | Fatigue crack growth in residual stress fields. <i>International Journal of Fatigue</i> , 2016, 87, 326-338. | 5.7 | 59 |
| 13 | In-Situ Characterization of Isotropic and Transversely Isotropic Elastic Properties Using Ultrasonic Wave Velocities. <i>Materials Performance and Characterization</i> , 2016, 5, MPC20150021. | 0.3 | 0 |
| 14 | Effects of composite lamina properties on fundamental Lamb wave mode dispersion characteristics. <i>Composite Structures</i> , 2015, 124, 236-252. | 5.8 | 31 |
| 15 | MEMS inertial sensors for load monitoring of wind turbine blades. <i>Proceedings of SPIE</i> , 2015, , . | 0.8 | 0 |
| 16 | Experimental Evaluation of the Morphing Leading Edge Concept. , 2015, , . | | 10 |
| 17 | Load monitoring for active control of wind turbines. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 41, 189-201. | 16.4 | 35 |
| 18 | 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 |

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|----|--|------|-----------|
| 19 | 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 |
| 20 | Derivation and experimental validation of Lamb wave equations for an n-layered anisotropic composite laminate. Composite Structures, 2014, 111, 566-579. | 5.8 | 49 |
| 21 | Structural health monitoring of bonded composite repairs – A critical comparison between ultrasonic Lamb wave approach and surface mounted crack sensor approach. Composites Part B: Engineering, 2013, 47, 26-34. | 12.0 | 34 |
| 22 | Single-walled carbon nanotube–modified epoxy thin films for continuous crack monitoring of metallic structures. Structural Health Monitoring, 2012, 11, 589-601. | 7.5 | 17 |
| 23 | Load Monitoring of Aerospace Structures Using Micro-Electro-Mechanical Systems (MEMS). , 2012, , . | | 3 |
| 24 | Load monitoring of aerospace structures utilizing micro-electro-mechanical systems for static and quasi-static loading conditions. Smart Materials and Structures, 2012, 21, 115001. | 3.5 | 11 |
| 25 | Design and verification of a smart wing for an extreme-agility micro-air-vehicle. Smart Materials and Structures, 2011, 20, 125007. | 3.5 | 21 |
| 26 | Damage quantification using smart patch system for hot spot monitoring. Proceedings of SPIE, 2010, , . | 0.8 | 0 |
| 27 | A Novel Approach to a Piezoelectric Sensing Element. Journal of Sensors, 2010, 2010, 1-5. | 1.1 | 3 |
| 28 | 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 |
| 29 | Artificial seeding of fatigue cracks in NDI reference coupons. Insight: Non-Destructive Testing and Condition Monitoring, 2010, 52, 664-671. | 0.6 | 3 |
| 30 | Pulsed thermography for non-destructive evaluation and damage growth monitoring of bonded repairs. Composite Structures, 2009, 88, 112-120. | 5.8 | 99 |
| 31 | Finite element analysis of broken fiber effects on the performance of active fiber composites. Composite Structures, 2009, 88, 491-496. | 5.8 | 16 |
| 32 | Design and Verification of a Smart Wing for an Extremely-Agile Micro-Air-Vehicle. , 2009, , . | | 15 |
| 33 | Demonstration of an instrumented patch. , 2007, , . | | 2 |
| 34 | Finite element modeling of actuated fibre composites. WIT Transactions on the Built Environment, 2006, , . | 0.0 | 1 |
| 35 | 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 |