Antonio Carlos Acaj Ancelotti Junior

List of Publications by Citations

20 papers	605 citations	14 h-index	22 g-index
22 ext. papers	793 ext. citations	3.3 avg, IF	4.6 L-index

#	Paper	IF	Citations
20	A sunflower optimization (SFO) algorithm applied to damage identification on laminated composite plates. *Engineering With Computers*, **2019**, 35, 619-626	4.5	134
19	The use of intelligent computational tools for damage detection and identification with an emphasis on composites A review. *Composite Structures*, **2018**, 196, 44-54	5.3	68
18	A Review of Vibration Based Inverse Methods for Damage Detection and Identification in Mechanical Structures Using Optimization Algorithms and ANN. *Archives of Computational Methods in Engineering*, **2019**, 26, 883-897	7.8	47
17	A numerical-experimental dynamic analysis of composite sandwich beam with magnetorheological elastomer honeycomb core. *Composite Structures*, **2019**, 209, 242-257	5.3	47
16	Artificial neural networks applied to epoxy composites reinforced with carbon and E-glass fibers: Analysis of the shear mechanical properties. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2007**, 464, 177-185	5.3	46
15	Experimental dynamic analysis of composite sandwich beams with magnetorheological honeycomb core. *Engineering Structures*, **2018**, 176, 231-242	4.7	44
14	Optimized damage identification in CFRP plates by reduced mode shapes and GA-ANN methods. *Engineering Structures*, **2019**, 181, 111-123	4.7	32
13	A multiobjective sensor placement optimization for SHM systems considering Fisher information matrix and mode shape interpolation. *Engineering With Computers*, **2019**, 35, 519-535	4.5	29
12	A numerical-experimental study for structural damage detection in CFRP plates using remote vibration measurements. *Journal of Civil Structural Health Monitoring*, **2018**, 8, 33-47	2.9	26
11	Development of a Simple Dielectric Analysis Module for Online Cure Monitoring of a Commercial Epoxy Resin Formulation. *Materials Research*, **2017**, 20, 291-297	1.5	22
10	Sensor placement optimization applied to laminated composite plates under vibration. *Structural and Multidisciplinary Optimization*, **2018**, 58, 2099-2118	3.6	20
9	Manufacturing and Characterization of Jute/PP Thermoplastic Commingled Composite. *Materials Research*, **2017**, 20, 458-465	1.5	15
8	An estimate of the location of multiple delaminations on aeronautical CFRP plates using modal data inverse problem. *International Journal of Advanced Manufacturing Technology*, **2018**, 99, 1155-1174	3.2	15
7	Polypropylene Composites Manufactured from Recycled Carbon Fibers from Aeronautic Materials Waste. *Materials Research*, **2017**, 20, 519-525	1.5	14
6	Thermal, rheological, and dielectric analyses of the polymerization reaction of a liquid thermoplastic resin for infusion manufacturing of composite materials. *Polymer Testing*, **2018**, 71, 32-37	4.5	13
5	Study of the influence of initiator content in the polymerization reaction of a thermoplastic liquid resin for advanced composite manufacturing. *Advances in Polymer Technology*, **2018**, 37, 3579-3587	1.9	11
4	Design Optimization and Development of Tubular Isogrid Composites Tubes for Lower Limb Prosthesis. *Applied Composite Materials*, **2019**, 26, 273-297	2	10

3	Crashworthiness and Impact Energy Absorption Study Considering the CF/PA Commingled Composite Processing Optimization. *Materials Research*, **2017**, 20, 792-799	1.5	8
2	Prepreg aging effects on its properties, curing process and final composite behavior characterized by dynamic mechanical analysis. *Journal of Reinforced Plastics and Composites*, **2019**, 38, 749-759	2.9	2
1	Dielectric analysis as a low-complexity methodology for tracking prepreg out-time and its effects on the curing cycle. *Journal of Composite Materials*, **2019**, 53, 4035-4042	2.7	1