

Antonio Pantano

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

47
papers

1,242
citations

17
h-index

35
g-index

49
ext. papers

1,383
ext. citations

3.6
avg, IF

4.59
L-index

#	Paper	IF	Citations
47	Design of a Low Cost 3D Printable Single-Component Compliant Mechanism for FWMAVB Wing Actuation. <i>Lecture Notes in Mechanical Engineering</i> , 2022 , 39-49	0.4	1
46	Continuous Microfiber Wire Mandrel-Less Biofabrication for Soft Tissue Engineering Applications.. <i>Advanced Healthcare Materials</i> , 2022 , e2102613	10.1	
45	New Concept in Bioderived Composites: Biochar as Toughening Agent for Improving Performances and Durability of Agave-Based Epoxy Biocomposites. <i>Polymers</i> , 2021 , 13,	4.5	6
44	Enhancement of Static and Fatigue Strength of Short Sisal Fiber Biocomposites by Low Fraction Nanotubes. <i>Applied Composite Materials</i> , 2021 , 28, 91-112	2	2
43	Impeller Optimization in Crossflow Hydraulic Turbines. <i>Water (Switzerland)</i> , 2021 , 13, 313	3	6
42	Carbon Nanotubes Dispersion Assessment in Nanocomposites by Means of a Pulsed Thermographic Approach. <i>Materials</i> , 2020 , 13,	3.5	7
41	Design of a telescopic tower for wind energy production with reduced environmental impact. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , 2020 , 7, 119-130	3.8	5
40	Cohesive Model for the Simulation of Crack Initiation and Propagation in Mixed-Mode I/II in Composite Materials. <i>Applied Composite Materials</i> , 2019 , 26, 1207-1225	2	3
39	Novel non-destructive evaluation technique for the detection of poor dispersion of carbon nanotubes in nanocomposites. <i>Composites Part B: Engineering</i> , 2019 , 163, 52-58	10	7
38	Numerical model for the characterization of biocomposites reinforced by sisal fibres. <i>Procedia Structural Integrity</i> , 2018 , 8, 517-525	1	13
37	Rapid evaluation of notch stress intensity factors using the peak stress method: Comparison of commercial finite element codes for a range of mesh patterns. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2018 , 41, 1044-1063	3	29
36	Mechanical Properties of CNT/Polymer 2018 , 201-232		4
35	Effects of mechanical deformation on electronic transport through multiwall carbon nanotubes. <i>International Journal of Solids and Structures</i> , 2017 , 122-123, 33-41	3.1	3
34	Inspection of additive-manufactured layered components. <i>Ultrasonics</i> , 2015 , 62, 292-8	3.5	71
33	Mechanical properties of carbon nanotube fibres: St Venant's principle at the limit and the role of imperfections. <i>Carbon</i> , 2015 , 93, 1021-1033	10.4	27
32	Stress Transfer within CNT Fibres: A FEA Approach. <i>Procedia Engineering</i> , 2015 , 109, 435-440		1
31	Numerical study for a new methodology of flaws detection in train axles. <i>Ultrasonics</i> , 2014 , 54, 841-9	3.5	27

30	Parameters influencing the stiffness of composites reinforced by carbon nanotubes [A numerical]analytical approach. <i>Composite Structures</i> , 2014 , 109, 246-252	5.3	18
29	Electrical conductance of carbon nanotubes with misaligned ends. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	1
28	Numerical[Analytical Model for Nanotube-Reinforced Nanocomposites 2013 , 201-214		
27	Electronic properties of carbon nanotubes under torsion. <i>Applied Physics A: Materials Science and Processing</i> , 2013 , 110, 77-85	2.6	2
26	Surface waves on cylindrical solids: numerical and experimental study. <i>Ultrasonics</i> , 2013 , 53, 913-21	3.5	9
25	Guided Wave Propagation in a Plate Edge and Application to NDI of Rail Base. <i>Journal of Nondestructive Evaluation</i> , 2012 , 31, 245-252	2.1	8
24	Numerical simulations demonstrate that the double tapering of the spatulae of lizards and insects maximize both detachment resistance and stability. <i>International Journal of Fracture</i> , 2011 , 171, 169-175 ^{2,3}	2.3	11
23	Influence of laser beam profile on the generation of ultrasonic waves. <i>Applied Physics A: Materials Science and Processing</i> , 2011 , 105, 959-967	2.6	19
22	A numerical-analytical model for the characterization of composites reinforced by carbon nanotubes. <i>Applied Physics A: Materials Science and Processing</i> , 2010 , 99, 895-902	2.6	11
21	Simulation of laser-generated ultrasonic wave propagation in solid media and air with application to NDE. <i>Applied Physics A: Materials Science and Processing</i> , 2010 , 98, 327-336	2.6	13
20	3D simulations and experiments of guided wave propagation in adhesively bonded multi-layered structures. <i>NDT and E International</i> , 2010 , 43, 527-535	4.1	24
19	Electrical Conduction in Carbon Nanotubes under Mechanical Deformations. <i>Challenges and Advances in Computational Chemistry and Physics</i> , 2010 , 335-365	0.7	
18	Simulation of the electromechanical behavior of multiwall carbon nanotubes. <i>ACS Nano</i> , 2009 , 3, 3266-72 ^{6,7}	2.7	7
17	Electromechanical Behavior of Single and Multiwall Carbon Nanotubes. <i>Advances in Science and Technology</i> , 2008 , 54, 390-395	0.1	
16	Multiwalled carbon nanotube reinforced polymer composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008 , 486, 222-227	5.3	54
15	Numerical model for composite material with polymer matrix reinforced by carbon nanotubes. <i>Meccanica</i> , 2008 , 43, 263-270	2.1	43
14	Simulation of laser generated ultrasound with application to defect detection. <i>Applied Physics A: Materials Science and Processing</i> , 2008 , 91, 521-528	2.6	24
13	A penalty-based interface technology for coupling independently modeled 3D finite element meshes. <i>Finite Elements in Analysis and Design</i> , 2007 , 43, 271-286	2.2	21

12	An Equivalent Orthotropic Representation of the Nonlinear Elastic Behavior of Multiwalled Carbon Nanotubes. <i>Journal of Engineering Materials and Technology, Transactions of the ASME</i> , 2007 , 129, 431-439 ¹⁸	1.8	10
11	Mixed finite element-tight-binding electromechanical analysis of carbon nanotubes. <i>Journal of Applied Physics</i> , 2004 , 96, 6756-6760	2.5	23
10	Mechanics of Axial Compression of Single and Multi-Wall Carbon Nanotubes. <i>Journal of Engineering Materials and Technology, Transactions of the ASME</i> , 2004 , 126, 279-284	1.8	78
9	Mechanics of deformation of single- and multi-wall carbon nanotubes. <i>Journal of the Mechanics and Physics of Solids</i> , 2004 , 52, 789-821	5	433
8	A mesh-independent interface technology for simulation of mixed-mode delamination growth. <i>International Journal of Solids and Structures</i> , 2004 , 41, 3809-3831	3.1	26
7	Finite Element Interface Technology for Modeling Delamination Growth in Composite Structures. <i>AIAA Journal</i> , 2004 , 42, 1252-1260	2.1	5
6	Nonlinear structural mechanics based modeling of carbon nanotube deformation. <i>Physical Review Letters</i> , 2003 , 91, 145504	7.4	136
5	A penalty-based finite element interface technology. <i>Computers and Structures</i> , 2002 , 80, 1725-1748	4.5	31
4	An Improved Thermal Lamination Model for Analysis of Heat Transfer in Composite Structures. <i>Journal of Composite Materials</i> , 2002 , 36, 701-719	2.7	5
3	A 3D Zig-Zag Sublaminar Model for Analysis of Thermal Stresses in Laminated Composite and Sandwich Plates. <i>Journal of Sandwich Structures and Materials</i> , 2000 , 2, 288-312	2.1	14
2	Rapid evaluation of notch stress intensity factors using the peak stress method with 3D tetrahedral finite element models: Comparison of commercial codes. <i>Fatigue and Fracture of Engineering Materials and Structures</i> ,	3	2
1	Hybrid nanocomposites with ultra-low filling content by nano-coating fragmentation. <i>Polymer-Plastics Technology and Materials</i> , 1-15	1.5	