AntÃ³nio J M Ferreira

List of Publications by Year
in descending order

42 papers	1,323 citations	430442 18 h-index	377514 34 g-index
47 all docs	47 docs citations	47 times ranked	1091 citing authors

#	Article	IF	Citations
1	A review of meshless methods for laminated and functionally graded plates and shells. Composite Structures, 2011, 93, 2031-2041.	3.1	340
2	A review on plate and shell theories for laminated and sandwich structures highlighting the Finite Element Method. Composite Structures, 2016, 156, 63-77.	3.1	152
3	Radial basis functions based on differential quadrature method for the free vibration analysis of laminated composite arbitrarily shaped plates. Composites Part B: Engineering, 2015, 78, 65-78.	5.9	74
4	MLSDQ based on RBFs for the free vibrations of laminated composite doubly-curved shells. Composites Part B: Engineering, 2016, 99, 30-47.	5.9	74
5	Influence of Winkler-Pasternak Foundation on the Vibrational Behavior of Plates and Shells Reinforced by Agglomerated Carbon Nanotubes. Applied Sciences (Switzerland), 2017, 7, 1228.	1.3	69
6	Stability and accuracy of three Fourier expansion€based strong form finite elements for the free vibration analysis of laminated composite plates. International Journal for Numerical Methods in Engineering, 2017, 111, 354-382.	1.5	67
7	Uniaxial mechanical behavior of the human female bladder. International Urogynecology Journal, 2011, 22, 991-995.	0.7	52
8	On the large-amplitude vibration of rotating pre-twisted graphene nanocomposite blades in a thermal environment. Composite Structures, 2022, 282, 115129.	3.1	46
9	Biomechanical Properties of Vaginal Tissue in Women with Pelvic Organ Prolapse. Gynecologic and Obstetric Investigation, 2013, 75, 85-92.	0.7	44
10	Panel flutter suppression with nonlinear energy sinks: Numerical modeling and analysis. International Journal of Non-Linear Mechanics, 2018, 106, 108-114.	1.4	39
11	Failure Modes and Influence of the *Quasi*-static Deformation Rate on the Mechanical Behavior of Sandwich Panels with Aluminum Foam Cores. Mechanics of Advanced Materials and Structures, 2010, 17, 335-342.	1.5	32
12	Dynamic Analysis of Functionally Graded Plates and Shells by Radial Basis Functions. Mechanics of Advanced Materials and Structures, 2010, 17, 636-652.	1.5	30
13	Reinforced polymer concrete: Physical properties of the matrix and static/dynamic bond behaviour. Cement and Concrete Composites, 2005, 27, 934-944.	4.6	25
14	The influence of muscles activation on the dynamical behaviour of the tympano-ossicular system of the middle ear. Computer Methods in Biomechanics and Biomedical Engineering, 2013, 16, 392-402.	0.9	20
15	Multiscale analysis for predicting the constitutive tensor effective coefficients of layered composites with micro and macro failures. Applied Mathematical Modelling, 2019, 75, 250-266.	2.2	20
16	The Axisymmetric Analysis of Circular Plates Using the Radial Point Interpolation Method. International Journal for Computational Methods in Engineering Science and Mechanics, 2015, 16, 336-353.	1.4	19
17	On the effects of structural coupling on the supersonic flutter and limit cycle oscillations of transversely reinforced panels. Journal of Fluids and Structures, 2018, 79, 158-170.	1.5	19
18	Finite element analysis of fluttering plates reinforced by flexible beams: An energy-based approach. Journal of Sound and Vibration, 2018, 435, 135-148.	2.1	19

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19	Luffa fibers and gamma radiation as improvement tools of polymer concrete. Construction and Building Materials, 2013, 47, 86-91.	3.2	18
20	Extending a radial point interpolation meshless method to non-local constitutive damage models. Theoretical and Applied Fracture Mechanics, 2016, 85, 84-98.	2.1	18
21	Through-the-thickness stress profiles in laminated composite and sandwich structure plates via unified formulation. Composites Part B: Engineering, 2016, 107, 29-42.	5.9	16
22	A finite element unified formulation for composite laminates in bending considering progressive damage. Thin-Walled Structures, 2022, 172, 108864.	2.7	14
23	Behaviour of Cement and Polymer Mortar Materials to Rapid Freeze-Thaw Cycling. Materials Science Forum, 0, 636-637, 1329-1335.	0.3	11
24	ANALYSIS OF EARDRUM PATHOLOGIES USING THE FINITE ELEMENT METHOD. Journal of Mechanics in Medicine and Biology, 2014, 14, 1450034.	0.3	11
25	A meshless approach to non-local damage modelling of concrete. Engineering Analysis With Boundary Elements, 2017, 79, 62-74.	2.0	11
26	Experimental and numerical dynamic analysis of laminate plates via Carrera Unified Formulation. Composite Structures, 2018, 202, 1176-1185.	3.1	11
27	On the Convergence of Laminated Composite Plates of Arbitrary Shape through Finite Element Models. Journal of Composites Science, 2018, 2, 16.	1.4	11
28	A new finite element for thick laminates and sandwich structures using a generalized and unified plate theory. International Journal for Numerical Methods in Engineering, 2017, 109, 290-304.	1.5	10
29	Development of a finite element via Unified Formulation: Implementation as a User Element subroutine to predict stress profiles in composite plates. Thin-Walled Structures, 2020, 157, 107107.	2.7	10
30	Buckling behaviour of cross-ply laminated plates by a higher-order shear deformation theory. Science and Engineering of Composite Materials, 2012, 19, 119-125.	0.6	8
31	A radial point interpolation meshless method extended with an elastic rate-independent continuum damage model for concrete materials. Mechanics of Advanced Materials and Structures, 2018, 25, 855-867.	1.5	8
32	3D active dynamic actuation model for offshore cranes. Computer-Aided Civil and Infrastructure Engineering, 0, , .	6.3	7
33	Evaluation of pelvic floor muscle cross-sectional area using a 3D computer model based on MRI in women with and without prolapse. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2010, 153, 110-111.	0.5	6
34	Nonlinear supersonic post-flutter response of two-bay composite laminate curved panels. Composite Structures, 2022, 286, 115128.	3.1	5
35	Mechanical Behaviour Analysis of Polymer Mortars Reinforced with Jute and Piassava Natural Fibres under Alkaline Environments. Materials Science Forum, 0, 636-637, 239-244.	0.3	3
36	A new C1 4-node flat laminated shell element based on a generalized plate formulation. Thin-Walled Structures, 2021, 163, 107648.	2.7	2

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37	Analysis of Laminated Plates by Trigonometric Theory, Radial Basis, and Unified Formulation. AIAA Journal, 2011, 49, 1559-1562.	1.5	1
38	Polymer Composite Materials Modified with Nano-Oxides and Phosphinates Hybrid Flame Retardant Systems. Key Engineering Materials, 0, 634, 527-536.	0.4	1
39	Fifteenth International Conference on Composite Structures (ICCS/15), University of Porto, Porto, Portugal. Composite Structures, 2010, 92, 1993.	3.1	0
40	Fifteenth International Conference on Composite Structures (ICCS/15), University of Porto, Porto, Portugal. Mechanics of Advanced Materials and Structures, 2010, 17, 303-303.	1.5	0
41	Analysis of three-layer composite plates with a new higher-order layerwise formulation. Science and Engineering of Composite Materials, 2014, 21, 401-404.	0.6	0
42	Nonlinear Flutter Suppression of Composite Panels with Nonlinear Energy Sinks. , 2022, , 61-71.		0