Hugo Alexandre Freixial Argente dos Sa

List of Publications by Year
in descending order

25 papers	354 citations	759233 12 h-index	794594 19 g-index
26 all docs	26 docs citations	26 times ranked	264 citing authors

#	Article	IF	Citations
1	Fatigue life assessment of cardiovascular balloon-expandable stents: A two-scale plasticityâ€“damage model approach. Journal of the Mechanical Behavior of Biomedical Materials, 2012, 15, 78-92.	3.1	36
2	A hybrid-mixed finite element formulation for the geometrically exact analysis of three-dimensional framed structures. Computational Mechanics, 2011, 48, 591-613.	4.0	35
3	Canonical dual finite element method for solving post-buckling problems of a large deformation elastic beam. International Journal of Non-Linear Mechanics, 2012, 47, 240-247.	2.6	34
4	On a pure complementary energy principle and a force-based finite element formulation for non-linear elastic cables. International Journal of Non-Linear Mechanics, 2011, 46, 395-406.	2.6	29
5	Guaranteed energy error bounds for the Poisson equation using a fluxâ€free approach: Solving the local problems in subdomains. International Journal for Numerical Methods in Engineering, 2009, 79, 1203-1244.	2.8	28
6	Hybrid and multi-field variational principles for geometrically exact three-dimensional beams. International Journal of Non-Linear Mechanics, 2010, 45, 809-820.	2.6	27
7	Complementary-Energy Methods for Geometrically Non-linear Structural Models: An Overview and Recent Developments in the Analysis of Frames. Archives of Computational Methods in Engineering, 2011, 18, 405-440.	10.2	24
8	Equilibrium-Based Finite-Element Formulation for the Geometrically Exact Analysis of Planar Framed Structures. Journal of Engineering Mechanics - ASCE, 2010, 136, 1474-1490.	2.9	23
9	B-spline goal-oriented error estimators for geometrically nonlinear rods. Computational Mechanics, 2012, 49, 35-52.	4.0	19
10	Non-stationary radiation by a cylindrical shell: Numerical modeling using the Reissnerâ€“Mindlin theory. Journal of Fluids and Structures, 2013, 36, 50-69.	3.4	16
11	Hybrid equilibrium finite element formulation for composite beams with partial interaction. Composite Structures, 2014, 108, 646-656.	5.8	15
12	A family of Piolaâ€“Kirchhoff hybrid stress finite elements for two-dimensional linear elasticity. Finite Elements in Analysis and Design, 2014, 85, 33-49.	3.2	13
13	Variationally consistent force-based finite element method for the geometrically non-linear analysis of Eulerâ€“Bernoulli framed structures. Finite Elements in Analysis and Design, 2012, 53, 24-36.	3.2	12
14	Transient radiation by a submerged fluid-filled cylindrical shell. Journal of Fluids and Structures, 2014, 50, 79-104.	3.4	10
15	Dual extremum principles for geometrically exact finite strain beams. International Journal of Non-Linear Mechanics, 2011, 46, 151-158.	2.6	7
16	Generalization of the twist-Kirchhoff theory of plate elements to arbitrary quadrilaterals and assessment of convergence. Computer Methods in Applied Mechanics and Engineering, 2012, 209-212, 101-114.	6.6	7
17	Buckling analysis of layered composite beams with interlayer slip: A force-based finite element formulation. Structures, 2020, 25, 542-553.	3.6	5
18	A novel updated Lagrangian complementary energy-based formulation for the elastica problem: force-based finite element model. Acta Mechanica, 2015, 226, 1133-1151.	2.1	4

#	Article	IF	Citations
19	Semi-analytical technique for isolating the pseudo-Rayleigh component of the field induced by a transiently responding submerged cylindrical shell. Journal of Fluids and Structures, 2016, 65, 21-29.	3.4	3
20	On the observability of the pseudo-Rayleigh waves on submerged cylindrical shells. Journal of Fluids and Structures, 2017, 69, 108-120.	3.4	3
21	Numerical fatigue life assessment of cardiovascular stents: A two-scale plasticity-damage model. Journal of Physics: Conference Series, 2013, 451, 012031.	0.4	2
22	A complementary-energy based criterion for the stability analysis of geometrically exact framed structures. Computers and Structures, 2012, 106-107, 196-203.	4.4	1
23	A Dual Energy Criterion for the Stability Analysis of Geometrically Exact Three-Dimensional Frames. , 0, , .		1
24	Efficient Semi-Analytical Methodology for the Pre-Design Analysis of the Shock Response of Marine Structures. , 2013, , .		0
25	Finite Element Modelling of 2D Brittle Fracture: The Phase-Field Approach. Engineering Materials, 2015, , 1-21.	0.6	0