

Felicio Barros

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/844383/publications.pdf>

Version: 2024-02-01

29
papers

336
citations

933264

10
h-index

887953

17
g-index

31
all docs

31
docs citations

31
times ranked

196
citing authors

#	ARTICLE	IF	CITATIONS
1	On error estimator and p-adaptivity in the generalized finite element method. International Journal for Numerical Methods in Engineering, 2004, 60, 2373-2398.	1.5	46
2	An object-oriented approach to the Generalized Finite Element Method. Advances in Engineering Software, 2013, 59, 1-18.	1.8	33
3	Generalized finite element method in structural nonlinear analysis ? a p-adaptive strategy. Computational Mechanics, 2004, 33, 95-107.	2.2	31
4	Two-dimensional fracture modeling with the generalized/extended finite element method: An object-oriented programming approach. Advances in Engineering Software, 2018, 115, 168-193.	1.8	22
5	Well-conditioning global-local analysis using stable generalized/extended finite element method for linear elastic fracture mechanics. Computational Mechanics, 2016, 58, 819-831.	2.2	21
6	A computational framework for a two-scale generalized/extended finite element method. Engineering Computations, 2017, 34, 988-1019.	0.7	18
7	Comparison between two geometrical nonlinear methods for truss analyses. Structural Engineering and Mechanics, 2012, 41, 735-750.	1.0	18
8	p-Adaptive C _k generalized finite element method for arbitrary polygonal clouds. Computational Mechanics, 2007, 41, 175-187.	2.2	15
9	An Object-Oriented Class Organization for Global-Local Generalized Finite Element Method. Latin American Journal of Solids and Structures, 2016, 13, 2529-2551.	0.6	14
10	Fracture analysis in plane structures with the two-scale G/XFEM method. International Journal of Solids and Structures, 2018, 155, 65-80.	1.3	14
11	A computational framework for G/XFEM material nonlinear analysis. Advances in Engineering Software, 2017, 114, 380-393.	1.8	10
12	2-D fracture mechanics problems by SGFEM. Engineering Analysis With Boundary Elements, 2019, 108, 279-294.	2.0	10
13	Subdomain-based error techniques for generalized finite element approximations of problems with singular stress fields. Computational Mechanics, 2013, 52, 1395-1415.	2.2	8
14	Thermo-mechanical analysis of a cylindrical tube under internal shock loading using numerical solution. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2016, 38, 2635-2649.	0.8	8
15	Numerical analysis of a main crack interactions with micro-defects/inhomogeneities using two-scale generalized/extended finite element method. Computational Mechanics, 2018, 62, 783-801.	2.2	8
16	A new approach for physically nonlinear analysis of continuum damage mechanics problems using the generalized/extended finite element method with global-local enrichment. Engineering Analysis With Boundary Elements, 2020, 113, 277-295.	2.0	8
17	A posteriori error estimator and adaptive procedures for computation of shakedown and limit loads on pressure vessels. Computer Methods in Applied Mechanics and Engineering, 1997, 150, 155-171.	3.4	7
18	2-D Crack propagation analysis using stable generalized finite element method with global-local enrichments. Engineering Analysis With Boundary Elements, 2020, 118, 70-83.	2.0	7

#	ARTICLE	IF	CITATIONS
19	Adaptive F.E. method for the shakedown and limit analysis of pressure vessels. <i>European Journal of Mechanics, A/Solids</i> , 2003, 22, 525-533.	2.1	6
20	Object oriented programming applied to a finite element technique for the limit analysis of axisymmetrical pressure vessels. <i>Advances in Engineering Software</i> , 2006, 37, 195-204.	1.8	5
21	A classical time integration method applied for solution of nonlinear equations of a double-layer tensegrity. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2013, 35, 41-50.	0.8	5
22	An improved adaptive formulation for the computation of limit analysis problems of thin axisymmetrical shells. <i>Computers and Structures</i> , 2009, 87, 1602-1610.	2.4	4
23	High regularity partition of unity for structural physically non-linear analysis. <i>Engineering Analysis With Boundary Elements</i> , 2017, 83, 43-54.	2.0	4
24	Stable Generalized/extended Finite Element Method with global-local enrichment for material nonlinear analysis. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2020, 372, 113429.	3.4	4
25	Damage propagation using novel G/XFEM strategies: computational aspects and numerical investigations. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2020, 42, 1.	0.8	3
26	On the numerical integration in generalized/extended finite element method analysis for crack propagation problems. <i>Engineering Computations</i> , 2021, 38, 180-220.	0.7	2
27	Numerical integration in G/XFEM analysis of 2-D fracture mechanics problems for physically nonlinear material and cohesive crack propagation. <i>Engineering Computations</i> , 2022, 39, 1134-1160.	0.7	2
28	Global-local analysis with Element Free Galerkin Method. <i>Engineering Analysis With Boundary Elements</i> , 2022, 136, 186-203.	2.0	2
29	Geometrically nonlinear analysis by the generalized finite element method. <i>Engineering Computations</i> , 2021, 38, 266-288.	0.7	1