

Roque Luiz da Silva Pitangueira

List of Publications by Year in descending order

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57
papers

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citations

1039880

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g-index

58
all docs

58
docs citations

58
times ranked

121
citing authors

#	ARTICLE	IF	CITATIONS
1	RC-INSANE “ an interactive environment for nonlinear analysis of reinforced concrete structures. Revista IBRACON De Estruturas E Materiais, 2022, 15, .	0.3	0
2	Global“local analysis with Element Free Galerkin Method. Engineering Analysis With Boundary Elements, 2022, 136, 186-203.	2.0	2
3	Multiscale numerical strategy for micromorphic description of quasi-brittle media from classical elastic damage models at the microscale. Applied Mathematical Modelling, 2022, 109, 52-76.	2.2	2
4	Phase-field modelling of brittle fracture with Smoothed Radial Point Interpolation Methods. Engineering Analysis With Boundary Elements, 2022, 138, 219-234.	2.0	11
5	Geometrically nonlinear analysis by the generalized finite element method. Engineering Computations, 2021, 38, 266-288.	0.7	1
6	A coupled finite element-meshfree smoothed point interpolation method for nonlinear analysis. Engineering Analysis With Boundary Elements, 2021, 128, 1-18.	2.0	4
7	Phase-field modelling of size effect on strength and structural brittleness. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2021, 43, 1.	0.8	1
8	Damage propagation using novel G/XFEM strategies: computational aspects and numerical investigations. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.	0.8	3
9	Stable Generalized/extended Finite Element Method with global“local enrichment for material nonlinear analysis. Computer Methods in Applied Mechanics and Engineering, 2020, 372, 113429.	3.4	4
10	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
11	Elastoplastic constitutive modeling for concrete: a theoretical and computational approach. Revista IBRACON De Estruturas E Materiais, 2020, 13, 171-182.	0.3	2
12	A computational framework for the constitutive modeling of nonlinear micropolar media. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	0.8	3
13	G-space theory and weakened-weak form for micropolar media: Application to smoothed point interpolation methods. Engineering Analysis With Boundary Elements, 2019, 101, 318-329.	2.0	9
14	A non-local damage approach for the boundary element method. Applied Mathematical Modelling, 2019, 69, 63-76.	2.2	10
15	Smoothed point interpolation methods for the regularization of material instabilities in scalar damage models. International Journal for Numerical Methods in Engineering, 2019, 117, 729-755.	1.5	8
16	STUDY ABOUT FINITE ELEMENT PLATES BASED ON THE REISSNER-MINDLIN THEORY. , 2019, , .		0
17	A boundary element method formulation for quasi-brittle material fracture analysis using the continuum strong discontinuity approach. Engineering Fracture Mechanics, 2018, 202, 47-74.	2.0	15
18	INTERACTIVE GRAPHIC SYSTEM FOR EDUCATION OF STRUCTURAL ANALYSIS THROUGH THE METHOD OF FINITE ELEMENTS. Revista De Ensino De Engenharia, 2018, 37, .	0.1	0

#	ARTICLE	IF	CITATIONS
19	Steady State Heat Conduction Modeling by the Generalized Finite Element Method. , 2018, , .		0
20	Computational System for Physically Non-linear Thermal Analysis. , 2018, , .		0
21	A computational framework for constitutive modelling. Computers and Structures, 2017, 187, 1-23.	2.4	21
22	A computational framework for a two-scale generalized/extended finite element method. Engineering Computations, 2017, 34, 988-1019.	0.7	18
23	The Strong Discontinuity Approach as a limit case of strain localization in the implicit BEM formulation. Engineering Analysis With Boundary Elements, 2017, 80, 127-141.	2.0	12
24	High regularity partition of unity for structural physically non-linear analysis. Engineering Analysis With Boundary Elements, 2017, 83, 43-54.	2.0	4
25	A computational framework for G/XFEM material nonlinear analysis. Advances in Engineering Software, 2017, 114, 380-393.	1.8	10
26	An enhanced tensorial formulation for elastic degradation in micropolar continua. Applied Mathematical Modelling, 2017, 41, 299-315.	2.2	10
27	Um modelo numérico para simulação do processo de fissuração em meios parcialmente frágeis. Ciencia and Engenharia/ Science and Engineering Journal, 2017, 25, 67-77.	0.1	60
28	FRACTURE MODELING IN TWO-DIMENSIONAL PROBLEMS USING A G/XFEM OBJECT-ORIENTED IMPLEMENTATION. , 2017, , .		0
29	COMPUTATIONAL IMPLEMENTATION OF THE ARC-LENGTH CONTROL METHOD BASED ON THE RATES OF ENERGY FOR PHYSICALLY NONLINEAR ANALYSIS. , 2017, , .		0
30	ANÁLISE DO EFEITO DE TAMANHO EM ESTRUTURAS DE CONCRETO VIA MODELOS DE DANO NÃO LOCAL. Revista Sul-americana De Engenharia Estrutural, 2017, 14, .	0.1	0
31	A solution strategy for non-linear implicit BEM formulation using a unified constitutive modelling framework. Engineering Analysis With Boundary Elements, 2016, 64, 295-310.	2.0	19
32	An object-oriented tridimensional self-regular boundary element method implementation. Engineering Analysis With Boundary Elements, 2013, 37, 1276-1284.	2.0	6
33	Estudo Comparativo de Modelos de Fissuração Distribuída para Estruturas de Concreto. Semina: Ciências Exatas E Tecnológicas, 2013, 34, 211.	0.3	1
34	Elementos finitos de casca do sistema computacional INSANE. Revista Escola De Minas, 2011, 64, 399-405.	0.1	1
35	A comparison of two microplane constitutive models for quasi-brittle materials. Applied Mathematical Modelling, 2011, 35, 5326-5337.	2.2	5
36	Contínuos Generalizados: de Voigt à Modelagem de Materiais Parcialmente Frágeis.. Semina: Ciências Exatas E Tecnológicas, 2010, 31, 119.	0.3	1

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37	A Generalized Elasto-Plastic Micro-Polar Constitutive Model. Applied Mechanics and Materials, 0, 798, 505-509.	0.2	5
38	A Theoretical and Computational Framework for Isotropic Damage Models based on a Generalized Micropolar Continuum Theory. Anais Do ... Congresso Ibero-Latino-Americano De MÃ©todos Computacionais Em Engenharia, 0, , .	0.0	3
39	MÃ©TODO DOS ELEMENTOS FINITOS GENERALIZADOS APLICADO A PROBLEMAS DE FRATURA ELÃSTICA EM 3D. Anais Do ... Congresso Ibero-Latino-Americano De MÃ©todos Computacionais Em Engenharia, 0, , .	0.0	1
40	Modelos de Plasticidade Computacional do Sistema INSANE. Anais Do ... Congresso Ibero-Latino-Americano De MÃ©todos Computacionais Em Engenharia, 0, , .	0.0	0
41	Geradores de Malha em uma AplicaÃ§Ã£o GrÃ¡fica Interativa para Modelos Bidimensionais do MÃ©todo dos Elementos Finitos. Anais Do ... Congresso Ibero-Latino-Americano De MÃ©todos Computacionais Em Engenharia, 0, , .	0.0	0
42	PartiÃ§Ã£o da Unidade com elevada regularidade para a anÃ¡lise de estruturas. Anais Do ... Congresso Ibero-Latino-Americano De MÃ©todos Computacionais Em Engenharia, 0, , .	0.0	0
43	Sistema GrÃ¡fico Interativo para AnÃ¡lise de NucleaÃ§Ã£o e PropagaÃ§Ã£o de Trincas. , 0, , .		1
44	Strain Localization in the Boundary Element Method: the Strong Discontinuity Approach as a Limit Case. , 0, , .		0
45	Modelagem Computacional do Efeito de Escala em uma Viga de Concreto. , 0, , .		0
46	Integrated Graphical System to Physically Nonlinear Analysis based on the Generalized Finite Element Method. , 0, , .		0
47	Nucleation and Crack Propagation by Generalized Finite Element Method based on a Combination of Constitutive and Kinematic Approaches. , 0, , .		0
48	Generalized Framework For Elastoplastic Models: a theoretical and computational approach. , 0, , .		0
49	Framework Computacional para Modelos Constitutivos de Plasticidade. , 0, , .		0
50	EVALUATION OF FRACTURE ENERGY USING THE DIGITAL IMAGE CORRELATION. , 0, , .		0
51	Sistema Computacional Orientado a Objetos para AnÃ¡lises Acopladas Termo-Estruturais pelo MÃ©todo dos Elementos Finitos. , 0, , .		0
52	Desempenho da partiÃ§Ã£o da unidade de elevada regularidade na modelagem do comportamento fisicamente nÃ£o linear de meios parcialmente frÃ¡geis. , 0, , .		0
53	Interactive graphical application for modeling reinforced concrete structures. Anais Do ... Congresso Ibero-Latino-Americano De MÃ©todos Computacionais Em Engenharia, 0, , .	0.0	0
54	Multiscale strategy for the analysis of softening media using the generalized finite element method. Anais Do ... Congresso Ibero-Latino-Americano De MÃ©todos Computacionais Em Engenharia, 0, , .	0.0	0

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55	Non-local constitutive modelling by the boundary element method. Anais Do ... Congresso Ibero-Latino-Americano De MÃ©todos Computacionais Em Engenharia, 0, , .	0.0	0
56	Micropolar formulation for regularization of material instabilities in scalar damage models. Anais Do ... Congresso Ibero-Latino-Americano De MÃ©todos Computacionais Em Engenharia, 0, , .	0.0	0
57	ANÃLISE GEOMETRICAMENTE NÃ£o LINEAR POR MÃ©TODOS BASEADOS NA PARTIÃ§Ã£o DA UNIDADE. , 0, , .		0