

Roque Luiz da Silva Pitangueira

List of Publications by Year in descending order

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57
papers

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1039880

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58
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docs citations

58
times ranked

121
citing authors

#	ARTICLE	IF	CITATIONS
1	Um modelo numérico para simulação do processo de fissuração em meios parcialmente frágeis. <i>Ciencia and Engenharia/ Science and Engineering Journal</i> , 2017, 25, 67-77.	0.1	60
2	A computational framework for constitutive modelling. <i>Computers and Structures</i> , 2017, 187, 1-23.	2.4	21
3	A solution strategy for non-linear implicit BEM formulation using a unified constitutive modelling framework. <i>Engineering Analysis With Boundary Elements</i> , 2016, 64, 295-310.	2.0	19
4	A computational framework for a two-scale generalized/extended finite element method. <i>Engineering Computations</i> , 2017, 34, 988-1019.	0.7	18
5	A boundary element method formulation for quasi-brittle material fracture analysis using the continuum strong discontinuity approach. <i>Engineering Fracture Mechanics</i> , 2018, 202, 47-74.	2.0	15
6	The Strong Discontinuity Approach as a limit case of strain localization in the implicit BEM formulation. <i>Engineering Analysis With Boundary Elements</i> , 2017, 80, 127-141.	2.0	12
7	Phase-field modelling of brittle fracture with Smoothed Radial Point Interpolation Methods. <i>Engineering Analysis With Boundary Elements</i> , 2022, 138, 219-234.	2.0	11
8	A computational framework for G/XFEM material nonlinear analysis. <i>Advances in Engineering Software</i> , 2017, 114, 380-393.	1.8	10
9	An enhanced tensorial formulation for elastic degradation in micropolar continua. <i>Applied Mathematical Modelling</i> , 2017, 41, 299-315.	2.2	10
10	A non-local damage approach for the boundary element method. <i>Applied Mathematical Modelling</i> , 2019, 69, 63-76.	2.2	10
11	G-space theory and weakened-weak form for micropolar media: Application to smoothed point interpolation methods. <i>Engineering Analysis With Boundary Elements</i> , 2019, 101, 318-329.	2.0	9
12	Smoothed point interpolation methods for the regularization of material instabilities in scalar damage models. <i>International Journal for Numerical Methods in Engineering</i> , 2019, 117, 729-755.	1.5	8
13	A new approach for physically nonlinear analysis of continuum damage mechanics problems using the generalized/extended finite element method with global-local enrichment. <i>Engineering Analysis With Boundary Elements</i> , 2020, 113, 277-295.	2.0	8
14	An object-oriented tridimensional self-regular boundary element method implementation. <i>Engineering Analysis With Boundary Elements</i> , 2013, 37, 1276-1284.	2.0	6
15	A comparison of two microplane constitutive models for quasi-brittle materials. <i>Applied Mathematical Modelling</i> , 2011, 35, 5326-5337.	2.2	5
16	A Generalized Elasto-Plastic Micro-Polar Constitutive Model. <i>Applied Mechanics and Materials</i> , 0, 798, 505-509.	0.2	5
17	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
18	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

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19	A coupled finite element-meshfree smoothed point interpolation method for nonlinear analysis. Engineering Analysis With Boundary Elements, 2021, 128, 1-18.	2.0	4
20	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
21	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
22	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
23	Elastoplastic constitutive modeling for concrete: a theoretical and computational approach. Revista IBRACON De Estruturas E Materiais, 2020, 13, 171-182.	0.3	2
24	Global-local analysis with Element Free Galerkin Method. Engineering Analysis With Boundary Elements, 2022, 136, 186-203.	2.0	2
25	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
26	Elementos finitos de casca do sistema computacional INSANE. Revista Escola De Minas, 2011, 64, 399-405.	0.1	1
27	Geometrically nonlinear analysis by the generalized finite element method. Engineering Computations, 2021, 38, 266-288.	0.7	1
28	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
29	ContÃ©nua Generalizados: de Voigt Ã Modelagem de Materiais Parcialmente FrÃ¡geis.. Semina: CiÃªncias Exatas E TecnolÃ³gicas, 2010, 31, 119.	0.3	1
30	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
31	Estudo Comparativo de Modelos de FissuraÃ§Ã£o DistribuÃda para Estruturas de Concreto. Semina: CiÃªncias Exatas E TecnolÃ³gicas, 2013, 34, 211.	0.3	1
32	Sistema GrÃ¡fico Interativo para AnÃ¡lise de NucleaÃ§Ã£o e PropagaÃ§Ã£o de Trincas. , 0, , .		1
33	Modelos de Plasticidade Computacional do Sistema INSANE. Anais Do ... Congresso Ibero-Latino-Americano De MÃ©todos Computacionais Em Engenharia, 0, , .	0.0	0
34	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
35	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
36	Strain Localization in the Boundary Element Method: the Strong Discontinuity Approach as a Limit Case. , 0, , .		0

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37	Modelagem Computacional do Efeito de Escala em uma Viga de Concreto. , 0, , .		0
38	Integrated Graphical System to Physically Nonlinear Analysis based on the Generalized Finite Element Method. , 0, , .		0
39	Nucleation and Crack Propagation by Generalized Finite Element Method based on a Combination of Constitutive and Kinematic Approaches. , 0, , .		0
40	Generalized Framework For Elastoplastic Models: a theoretical and computational approach. , 0, , .		0
41	Framework Computacional para Modelos Constitutivos de Plasticidade. , 0, , .		0
42	EVALUATION OF FRACTURE ENERGY USING THE DIGITAL IMAGE CORRELATION. , 0, , .		0
43	Sistema Computacional Orientado a Objetos para Análises Acopladas Termo-Estruturais pelo Método dos Elementos Finitos. , 0, , .		0
44	Desempenho da partição da unidade de elevada regularidade na modelagem do comportamento fisicamente não linear de meios parcialmente frágeis. , 0, , .		0
45	Interactive graphical application for modeling reinforced concrete structures. Anais Do ... Congresso Ibero-Latino-Americano De Métodos Computacionais Em Engenharia, 0, , .	0.0	0
46	Multiscale strategy for the analysis of softening media using the generalized finite element method. Anais Do ... Congresso Ibero-Latino-Americano De Métodos Computacionais Em Engenharia, 0, , .	0.0	0
47	Non-local constitutive modelling by the boundary element method. Anais Do ... Congresso Ibero-Latino-Americano De Métodos Computacionais Em Engenharia, 0, , .	0.0	0
48	FRACTURE MODELING IN TWO-DIMENSIONAL PROBLEMS USING A G/XFEM OBJECT-ORIENTED IMPLEMENTATION. , 2017, , .		0
49	Micropolar formulation for regularization of material instabilities in scalar damage models. Anais Do ... Congresso Ibero-Latino-Americano De Métodos Computacionais Em Engenharia, 0, , .	0.0	0
50	COMPUTATIONAL IMPLEMENTATION OF THE ARC-LENGTH CONTROL METHOD BASED ON THE RATES OF ENERGY FOR PHYSICALLY NONLINEAR ANALYSIS. , 2017, , .		0
51	ANÁLISE GEOMETRICAMENTE NÃO LINEAR POR MÉTODOS BASEADOS NA PARTIÇÃO DA UNIDADE. , 0, , .		0
52	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
53	INTERACTIVE GRAPHIC SYSTEM FOR EDUCATION OF STRUCTURAL ANALYSIS THROUGH THE METHOD OF FINITE ELEMENTS. Revista De Ensino De Engenharia, 2018, 37, .	0.1	0
54	Steady State Heat Conduction Modeling by the Generalized Finite Element Method. , 2018, , .		0

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55	Computational System for Physically Non-linear Thermal Analysis. , 2018, , .		0
56	STUDY ABOUT FINITE ELEMENT PLATES BASED ON THE REISSNER-MINDLIN THEORY. , 2019, , .		0
57	RC-INSANE “an interactive environment for nonlinear analysis of reinforced concrete structures. Revista IBRACON De Estruturas E Materiais, 2022, 15, .	0.3	0