

Jorge Mv Alfaiate

List of Publications by Year in descending order

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28
papers

804
citations

516710

16
h-index

580821

25
g-index

28
all docs

28
docs citations

28
times ranked

497
citing authors

#	ARTICLE	IF	CITATIONS
1	On the use of embedded discontinuity elements with crack path continuity for mode-I and mixed-mode fracture. <i>Engineering Fracture Mechanics</i> , 2002, 69, 661-686.	4.3	118
2	Non-homogeneous displacement jumps in strong embedded discontinuities. <i>International Journal of Solids and Structures</i> , 2003, 40, 5799-5817.	2.7	81
3	A discrete strong discontinuity approach. <i>Engineering Fracture Mechanics</i> , 2009, 76, 1176-1201.	4.3	76
4	A comparative study on the modelling of discontinuous fracture by means of enriched nodal and element techniques and interface elements. <i>International Journal of Fracture</i> , 2010, 161, 97-119.	2.2	63
5	A finite element analysis of non-prescribed crack propagation in concrete. <i>Computers and Structures</i> , 1997, 63, 17-26.	4.4	47
6	An embedded formulation with conforming finite elements to capture strong discontinuities. <i>International Journal for Numerical Methods in Engineering</i> , 2013, 93, 224-244.	2.8	47
7	Towards a generalization of a discrete strong discontinuity approach. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2009, 198, 3670-3681.	6.6	45
8	A non-iterative approach for the modelling of quasi-brittle materials. <i>International Journal of Fracture</i> , 2012, 178, 281-298.	2.2	43
9	Arbitrary bi-dimensional finite strain cohesive crack propagation. <i>Computational Mechanics</i> , 2009, 45, 61-75.	4.0	42
10	Mixed-mode fracture and load misalignment on the assessment of FRP-concrete bond connections. <i>Composite Structures</i> , 2016, 135, 49-60.	5.8	31
11	FE modeling of the interfacial behaviour of composite concrete members. <i>Construction and Building Materials</i> , 2012, 26, 233-243.	7.2	27
12	Generalisation of non-iterative methods for the modelling of structures under non-proportional loading. <i>International Journal of Fracture</i> , 2013, 182, 21-38.	2.2	22
13	Longitudinal reinforcement ratio in lightweight aggregate concrete beams. <i>Engineering Structures</i> , 2014, 81, 219-229.	5.3	22
14	Modelling the behaviour of steel fibre reinforced concrete using a discrete strong discontinuity approach. <i>Engineering Fracture Mechanics</i> , 2016, 154, 12-23.	4.3	22
15	Glass beams reinforced with GFRP laminates: Experimental tests and numerical modelling using a discrete strong discontinuity approach. <i>Engineering Structures</i> , 2015, 99, 253-263.	5.3	21
16	The influence of mode II fracture on concrete strengthened with CFRP. <i>Computers and Structures</i> , 2004, 82, 1495-1502.	4.4	19
17	A three-dimensional analysis of CFRP-concrete bond behaviour. <i>Composites Part B: Engineering</i> , 2014, 59, 153-165.	12.0	16
18	On the use of strong discontinuity formulations for the modeling of preferential moisture uptake in fractured porous media. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2010, 199, 2828-2839.	6.6	15

#	ARTICLE	IF	CITATIONS
19	On the modelling of mixed-mode discrete fracture: Part I " Damage models. Engineering Fracture Mechanics, 2017, 182, 157-186.	4.3	13
20	On the use of non-iterative methods in cohesive fracture. International Journal of Fracture, 2018, 210, 167-186.	2.2	11
21	Numerical modelling of concrete beams reinforced with pre-stressed CFRP. International Journal of Fracture, 2009, 157, 159-173.	2.2	6
22	On the modeling of mixed-mode discrete fracture: Part II " Inclusion of dilatancy. Engineering Fracture Mechanics, 2017, 182, 245-264.	4.3	5
23	An element enriched formulation for simulation of splitting failure. Engineering Fracture Mechanics, 2011, 78, 301-316.	4.3	4
24	Assessment of the dependence of CFRP-concrete behaviour on the width of the bonded materials. Composites Part B: Engineering, 2016, 91, 448-457.	12.0	4
25	Damage and fracture mechanics approaches to mixed-mode discrete fracture with dilatancy. Theoretical and Applied Fracture Mechanics, 2019, 104, 102350.	4.7	2
26	Modeling the behavior of reinforced concrete beams strengthened with FRP. , 2006, , 368-368.		2
27	Advances in fracture and damage mechanics. International Journal of Fracture, 2009, 157, 1-1.	2.2	0
28	Modelling Mixed-Mode Fracture Using an Energy-Based Damage Model. Key Engineering Materials, 2014, 627, 49-52.	0.4	0