Jorge Mv Alfaiate

List of Publications by Year
in descending order

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	Damage and fracture mechanics approaches to mixed-mode discrete fracture with dilatancy. Theoretical and Applied Fracture Mechanics, 2019, 104, 102350.	4.7	2
2	On the use of non-iterative methods in cohesive fracture. International Journal of Fracture, 2018, 210, 167-186.	2.2	11
3	On the modeling of mixed-mode discrete fracture: Part II â€“ Inclusion of dilatancy. Engineering Fracture Mechanics, 2017, 182, 245-264.	4.3	5
4	On the modelling of mixed-mode discrete fracture: Part I â€“ Damage models. Engineering Fracture Mechanics, 2017, 182, 157-186.	4.3	13
5	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
6	Modelling the behaviour of steel fibre reinforced concrete using a discrete strong discontinuity approach. Engineering Fracture Mechanics, 2016, 154, 12-23.	4.3	22
7	Mixed-mode fracture and load misalignment on the assessment of FRP-concrete bond connections. Composite Structures, 2016, 135, 49-60.	5.8	31
8	Glass beams reinforced with GFRP laminates: Experimental tests and numerical modelling using a discrete strong discontinuity approach. Engineering Structures, 2015, 99, 253-263.	5.3	21
9	Modelling Mixed-Mode Fracture Using an Energy-Based Damage Model. Key Engineering Materials, 2014, 627, 49-52.	0.4	0
10	Longitudinal reinforcement ratio in lightweight aggregate concrete beams. Engineering Structures, 2014, 81, 219-229.	5.3	22
11	A three-dimensional analysis of CFRPâ€“concrete bond behaviour. Composites Part B: Engineering, 2014, 59, 153-165.	12.0	16
12	An embedded formulation with conforming finite elements to capture strong discontinuities. International Journal for Numerical Methods in Engineering, 2013, 93, 224-244.	2.8	47
13	Generalisation of non-iterative methods for the modelling of structures under non-proportional loading. International Journal of Fracture, 2013, 182, 21-38.	2.2	22
14	A non-iterative approach for the modelling of quasi-brittle materials. International Journal of Fracture, 2012, 178, 281-298.	2.2	43
15	FE modeling of the interfacial behaviour of composite concrete members. Construction and Building Materials, 2012, 26, 233-243.	7.2	27
16	An element enriched formulation for simulation of splitting failure. Engineering Fracture Mechanics, 2011, 78, 301-316.	4.3	4
17	A comparative study on the modelling of discontinuous fracture by means of enriched nodal and element techniques and interface elements. International Journal of Fracture, 2010, 161, 97-119.	2.2	63
18	On the use of strong discontinuity formulations for the modeling of preferential moisture uptake in fractured porous media. Computer Methods in Applied Mechanics and Engineering, 2010, 199, 2828-2839.	6.6	15

#	Article	IF	Citations
19	Arbitrary bi-dimensional finite strain cohesive crack propagation. Computational Mechanics, 2009, 45, 61-75.	4.0	42
20	Towards a generalization of a discrete strong discontinuity approach. Computer Methods in Applied Mechanics and Engineering, 2009, 198, 3670-3681.	6.6	45
21	Numerical modelling of concrete beams reinforced with pre-stressed CFRP. International Journal of Fracture, 2009, 157, 159-173.	2.2	6
22	Advances in fracture and damage mechanics. International Journal of Fracture, 2009, 157, 1-1.	2.2	0
23	A discrete strong discontinuity approach. Engineering Fracture Mechanics, 2009, 76, 1176-1201.	4.3	76
24	Modeling the behavior of reinforced concrete beams strengthened with FRP. , 2006, , 368-368.		2
25	The influence of mode II fracture on concrete strengthened with CFRP. Computers and Structures, 2004, 82, 1495-1502.	4.4	19
26	Non-homogeneous displacement jumps in strong embedded discontinuities. International Journal of Solids and Structures, 2003, 40, 5799-5817.	2.7	81
27	On the use of embedded discontinuity elements with crack path continuity for mode-I and mixed-mode fracture. Engineering Fracture Mechanics, 2002, 69, 661-686.	4.3	118
28	A finite element analysis of non-prescribed crack propagation in concrete. Computers and Structures, 1997, 63, 17-26.	4.4	47