

Irma ChacÃ³n

List of Publications by Year in descending order

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13
papers

1,512
citations

840776

11
h-index

1125743

13
g-index

13
all docs

13
docs citations

13
times ranked

1130
citing authors

#	ARTICLE	IF	CITATIONS
1	Damage and fracture algorithm using the screened Poisson equation and local remeshing. Engineering Fracture Mechanics, 2016, 158, 116-143.	4.3	257
2	Fracture properties prediction of clay/epoxy nanocomposites with interphase zones using a phase field model. Engineering Fracture Mechanics, 2018, 188, 287-299.	4.3	249
3	Phase-field analysis of finite-strain plates and shells including element subdivision. Computer Methods in Applied Mechanics and Engineering, 2016, 312, 322-350.	6.6	223
4	Abaqus implementation of phase-field model for brittle fracture. Computational Materials Science, 2015, 96, 472-484.	3.0	203
5	Abaqus implementation of monolithic and staggered schemes for quasi-static and dynamic fracture phase-field model. Computational Materials Science, 2016, 121, 35-47.	3.0	167
6	An h-adaptive thermo-mechanical phase field model for fracture. Finite Elements in Analysis and Design, 2018, 138, 31-47.	3.2	115
7	Uncertainty quantification of the fracture properties of polymeric nanocomposites based on phase field modeling. Composite Structures, 2015, 133, 1177-1190.	5.8	90
8	Predictions of J integral and tensile strength of clay/epoxy nanocomposites material using phase field model. Composites Part B: Engineering, 2016, 93, 97-114.	12.0	75
9	Extended finite element method for dynamic fracture of piezo-electric materials. Engineering Fracture Mechanics, 2012, 92, 19-31.	4.3	59
10	Hybrid nonlinear surrogate models for fracture behavior of polymeric nanocomposites. Probabilistic Engineering Mechanics, 2017, 50, 64-75.	2.7	35
11	A Phase Field Model for Rate-Dependent Ductile Fracture. Metals, 2017, 7, 180.	2.3	24
12	Prediction meta-models for the responses of a circular tunnel during earthquakes. Underground Space (China), 2019, 4, 31-47.	7.5	9
13	Intelligent Detection Model Based on a Fully Convolutional Neural Network for Pavement Cracks. CMES - Computer Modeling in Engineering and Sciences, 2020, 123, 1267-1291.	1.1	6