

Amit Shedbale

List of Publications by Year in descending order

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papers

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21
all docs

21
docs citations

21
times ranked

252
citing authors

#	ARTICLE	IF	CITATIONS
1	A localizing gradient enhanced isotropic damage model with Ottosen equivalent strain for the mixed-mode fracture of concrete. International Journal of Mechanical Sciences, 2021, 199, 106410.	3.6	24
2	Ultra-high performance concrete subjected to high-velocity projectile impact: implementation of K&C model with consideration of failure surfaces and dynamic increase factors. International Journal of Impact Engineering, 2021, 155, 103907.	2.4	28
3	A micromorphic computational homogenization framework for auxetic tetra-chiral structures. Journal of the Mechanics and Physics of Solids, 2020, 135, 103801.	2.3	30
4	Localizing gradient damage model with micro inertia effect for dynamic fracture. Computer Methods in Applied Mechanics and Engineering, 2019, 355, 492-512.	3.4	20
5	Source codes and simulation data for the finite element implementation of the conventional and localizing gradient damage methods in ABAQUS. Data in Brief, 2019, 26, 104533.	0.5	15
6	A comparative study and ABAQUS implementation of conventional and localizing gradient enhanced damage models. Finite Elements in Analysis and Design, 2019, 160, 1-31.	1.7	53
7	Nonlinear analyses with a micromorphic computational homogenization framework for composite materials. Computer Methods in Applied Mechanics and Engineering, 2019, 350, 362-395.	3.4	15
8	Numerical Prediction of Indentation Behavior of Metal Matrix Composites Using XFEM. Procedia Engineering, 2017, 173, 1071-1078.	1.2	1
9	Heterogeneous and homogenized models for predicting the indentation response of particle reinforced metal matrix composites. International Journal of Mechanics and Materials in Design, 2017, 13, 531-552.	1.7	14
10	Ductile failure modeling and simulations using coupled FE&EFG approach. International Journal of Fracture, 2017, 203, 183-209.	1.1	24
11	A coupled FE&EFG approach for modelling crack growth in ductile materials. Fatigue and Fracture of Engineering Materials and Structures, 2016, 39, 1204-1225.	1.7	25
12	Evaluation of mechanical properties using spherical ball indentation and coupled finite element&element-free galerkin approach. Mechanics of Advanced Materials and Structures, 2016, 23, 832-843.	1.5	19
13	Material property evaluation of particle reinforced composites using finite element approach. Journal of Composite Materials, 2016, 50, 2757-2771.	1.2	22
14	Elasto-plastic fatigue crack growth analysis of plane problems in the presence of flaws using XFEM. Frontiers of Structural and Civil Engineering, 2015, 9, 420-440.	1.2	26
15	Elasto-Plastic Finite Deformation Simulations using 3-D Parallel XFEM. Materials Today: Proceedings, 2015, 2, 2030-2036.	0.9	1
16	Nonlinear Fatigue Crack Growth Analysis of a Center Crack Plate by XFEM. International Journal of Advanced Materials Manufacturing and Characterization, 2014, 4, 11-16.	0.2	8
17	Nonlinear Simulation of an Embedded Crack in the Presence of Holes and Inclusions by XFEM. Procedia Engineering, 2013, 64, 642-651.	1.2	24
18	The Effect of Inhomogeneities on an Edge Crack: A Numerical Study using XFEM. International Journal for Computational Methods in Engineering Science and Mechanics, 2013, 14, 505-523.	1.4	12

#	ARTICLE	IF	CITATIONS
19	Modeling and Simulation of Metal Forming Processes by XFEM. Applied Mechanics and Materials, 0, 829, 41-45.	0.2	5
20	Size effect analysis of quasi-brittle fracture with localizing gradient damage model. International Journal of Damage Mechanics, 0, , 105678952098387.	2.4	16
21	Indentation behavior of metal matrix composites reinforced with arbitrary shape particle using a coupled FE-EFG approach. Mechanics of Advanced Materials and Structures, 0, , 1-18.	1.5	2