

Amit Shedbale

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6652169/publications.pdf>

Version: 2024-02-01

21
papers

384
citations

623574

14
h-index

839398

18
g-index

21
all docs

21
docs citations

21
times ranked

252
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	A micromorphic computational homogenization framework for auxetic tetra-chiral structures. Journal of the Mechanics and Physics of Solids, 2020, 135, 103801.	2.3	30
3	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
4	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
5	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
6	Nonlinear Simulation of an Embedded Crack in the Presence of Holes and Inclusions by XFEM. Procedia Engineering, 2013, 64, 642-651.	1.2	24
7	Ductile failure modeling and simulations using coupled FE&EFG approach. International Journal of Fracture, 2017, 203, 183-209.	1.1	24
8	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
9	Material property evaluation of particle reinforced composites using finite element approach. Journal of Composite Materials, 2016, 50, 2757-2771.	1.2	22
10	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
11	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
12	Size effect analysis of quasi-brittle fracture with localizing gradient damage model. International Journal of Damage Mechanics, 0, , 105678952098387.	2.4	16
13	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
14	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
15	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
16	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
17	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
18	Modeling and Simulation of Metal Forming Processes by XFEM. Applied Mechanics and Materials, 0, 829, 41-45.	0.2	5

#	ARTICLE	IF	CITATIONS
19	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
20	Elasto-Plastic Finite Deformation Simulations using 3-D Parallel XFEM. Materials Today: Proceedings, 2015, 2, 2030-2036.	0.9	1
21	Numerical Prediction of Indentation Behavior of Metal Matrix Composites Using XFEM. Procedia Engineering, 2017, 173, 1071-1078.	1.2	1