Thomas Menouillard

List of Publications by Year
in descending order

15 papers	584 citations	1039880 9 h-index	996849 15 g-index
15 all docs	15 docs citations	15 times ranked	421 citing authors

#	Article	IF	Citations
1	Efficient explicit time stepping for the eXtended Finite Element Method (X-FEM). International Journal for Numerical Methods in Engineering, 2006, 68, 911-939.	1.5	153
2	Mass lumping strategies for X‑FEM explicit dynamics: Application to crack propagation. International Journal for Numerical Methods in Engineering, 2008, 74, 447-474.	1.5	88
3	Element‑local level set method for three‑dimensional dynamic crack growth. International Journal for Numerical Methods in Engineering, 2009, 80, 1520-1543.	1.5	60
4	An XFEM/Spectral element method for dynamic crack propagation. International Journal of Fracture, 2011, 169, 183-198.	1.1	60
5	Dynamic fracture with meshfree enriched XFEM. Acta Mechanica, 2010, 213, 53-69.	1.1	58
6	Time dependent crack tip enrichment for dynamic crack propagation. International Journal of Fracture, 2010, 162, 33-49.	1.1	58
7	Smoothed nodal forces for improved dynamic crack propagation modeling in XFEM. International Journal for Numerical Methods in Engineering, 2010, 84, 47-72.	1.5	38
8	Analysis and computations of oscillating crack propagation in a heated strip. International Journal of Fracture, 2011, 167, 57-70.	1.1	34
9	Mixed-mode stress intensity factors for graded materials. International Journal of Solids and Structures, 2006, 43, 1946-1959.	1.3	18
10	Correction force for releasing crack tip element with XFEM and only discontinuous enrichment. European Journal of Computational Mechanics, 2009, 18, 465-483.	0.6	7
11	Crack initiation and path selection in brittle specimens: A novel experimental method and computations. Engineering Fracture Mechanics, 2012, 89, 65-74.	2.0	6
12	Composite blade damaging under impact. European Physical Journal Special Topics, 2006, 134, 409-415.	0.2	1
13	Thermo-mechanical stress intensity factors evaluation. Nuclear Engineering and Design, 2010, 240, 2579-2588.	0.8	1
14	Explicit Dynamic Finite Element Method for Failure with Smooth Fracture Energy Dissipations. Mathematical Problems in Engineering, 2013, 2013, 1-12.	0.6	1
15	An optimal explicit time stepping scheme for cracks modeled with X-FEM. IUTAM Symposium on Cellular, Molecular and Tissue Mechanics, 2007, , 267-281.	0.1	1