

James Campbell

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

24
papers

517
citations

11
h-index

22
g-index

25
ext. papers

593
ext. citations

3.7
avg. IF

3.39
L-index

#	Paper	IF	Citations
24	A contact algorithm for smoothed particle hydrodynamics. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2000 , 184, 49-65	5.7	102
23	A treatment of zero-energy modes in the smoothed particle hydrodynamics method. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2000 , 184, 67-85	5.7	79
22	Coupling between meshless and finite element methods. <i>International Journal of Impact Engineering</i> , 2005 , 31, 1054-1064	4	78
21	From aerospace to offshore: Bridging the numerical simulation gaps Simulation advancements for fluid structure interaction problems. <i>International Journal of Impact Engineering</i> , 2013 , 61, 48-63	4	57
20	A parametric study of bird strike on engine blades. <i>International Journal of Impact Engineering</i> , 2013 , 60, 44-57	4	46
19	Application of the finite element method to predict the crashworthy response of a metallic helicopter under floor structure onto water. <i>International Journal of Impact Engineering</i> , 2008 , 35, 347-362	4	18
18	Modelling of dynamic damage and failure in aluminium alloys. <i>International Journal of Impact Engineering</i> , 2012 , 49, 61-76	4	17
17	Simulating structural response to water impact. <i>International Journal of Impact Engineering</i> , 2012 , 49, 1-10	4	14
16	Review of Development of the Smooth Particle Hydrodynamics (SPH) Method 2009 , 367-396		14
15	SPH as a nonlocal regularisation method: Solution for instabilities due to strain-softening. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2014 , 277, 281-304	5.7	12
14	Derivation of SPH equations in a moving referential coordinate system. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2009 , 198, 2403-2411	5.7	12
13	A penalty approach for contact in smoothed particle hydrodynamics. <i>International Journal of Impact Engineering</i> , 1999 , 23, 945-956	4	11
12	Non-linear idealisation error analysis of a metallic stiffened panel loaded in compression. <i>Thin-Walled Structures</i> , 2012 , 54, 44-53	4.7	10
11	Lagrangian analysis led design of a shock recovery plate impact experiment. <i>International Journal of Impact Engineering</i> , 2015 , 77, 16-29	4	8
10	Helicopter Crashworthiness: A Chronological Review of Research Related to Water Impact from 1982 to 2006. <i>Journal of the American Helicopter Society</i> , 2008 , 53, 429	1.2	8
9	Development of lagrangian hydrocode modelling for debris impact damage prediction. <i>International Journal of Impact Engineering</i> , 1997 , 20, 143-152	4	7
8	Plane-Stress Analysis of the New Stress Tensor Decomposition. <i>Applied Mechanics and Materials</i> , 2013 , 315, 635-639	0.3	6

7	Modelling of Spall in an Anisotropic Aluminium Alloy. <i>Space Debris</i> , 2000 , 2, 225-232		4
6	A Coupled FE-SPH pproach for Simulation of Structural Response to Extreme Wave and Green Water Loading 2008 ,		3
5	The nonlocal, local and mixed forms of the SPH method. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021 , 387, 114164	5.7	3
4	Artificial Viscosity Methods forModelling Shock Wave Propagation 2009 , 349-365		3
3	Advisory system development for reliable FEM modelling in aerospace. <i>Aircraft Engineering and Aerospace Technology</i> , 2015 , 87, 11-18	5	2
2	Application of the finite element method to predict the crashworthy response of a metallic helicopter underfloor structure onto a hard surface. <i>International Journal of Crashworthiness</i> , 2007 , 12, 173-195	1	2
1	Non-linear idealisation error analysis of an aerospace stiffened panel loaded in compression. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2014 , 228, 1574-1585	0.9	1