James Campbell

List of Publications by Year in Descending Order

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	The nonlocal, local and mixed forms of the SPH method. *Computer Methods in Applied Mechanics and Engineering*, **2021**, 387, 114164	5.7	3
23	Advisory system development for reliable FEM modelling in aerospace. *Aircraft Engineering and Aerospace Technology*, **2015**, 87, 11-18	5	2
22	Lagrangian analysis led design of a shock recovery plate impact experiment. *International Journal of Impact Engineering*, **2015**, 77, 16-29	4	8
21	SPH as a nonlocal regularisation method: Solution for instabilities due to strain-softening. *Computer Methods in Applied Mechanics and Engineering*, **2014**, 277, 281-304	5.7	12
20	Non-linear idealisation error analysis of an aerospace stiffened panel loaded in compression. *Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering*, **2014**, 228, 1574-1585	0.9	1
19	A parametric study of bird strike on engine blades. *International Journal of Impact Engineering*, **2013** , 60, 44-57	4	46
18	From aerospace to offshore: Bridging the numerical simulation gapsSimulation advancements for fluid structure interaction problems. *International Journal of Impact Engineering*, **2013**, 61, 48-63	4	57
17	Plane-Stress Analysis of the New Stress Tensor Decomposition. *Applied Mechanics and Materials*, **2013**, 315, 635-639	0.3	6
16	Non-linear idealisation error analysis of a metallic stiffened panel loaded in compression. *Thin-Walled Structures*, **2012**, 54, 44-53	4.7	10
15	Simulating structural response to water impact. *International Journal of Impact Engineering*, **2012**, 49, 1-10	4	14
14	Modelling of dynamic damage and failure in aluminium alloys. *International Journal of Impact Engineering*, **2012**, 49, 61-76	4	17
13	Derivation of SPH equations in a moving referential coordinate system. *Computer Methods in Applied Mechanics and Engineering*, **2009**, 198, 2403-2411	5.7	12
12	Review of Development of the Smooth Particle Hydrodynamics (SPH) Method **2009**, 367-396		14
11	Artificial Viscosity Methods forModelling Shock Wave Propagation **2009**, 349-365		3
10	A Coupled FE-SPH pproach for Simulation of Structural Response to Extreme Wave and Green Water Loading **2008**,		3
9	Helicopter Crashworthiness: A Chronological Review of Research Related to Water Impact from 1982 to 2006. *Journal of the American Helicopter Society*, **2008**, 53, 429	1.2	8
8	Application of the finite element method to predict the crashworthy response of a metallic helicopter under floor structure onto water. *International Journal of Impact Engineering*, **2008**, 35, 347-362	4	18

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7	Application of the finite element method to predict the crashworthy response of a metallic helicopter underfloor structure onto a hard surface. *International Journal of Crashworthiness*, **2007**, 12, 173-195	1	2
6	Coupling between meshless and finite element methods. *International Journal of Impact Engineering*, **2005**, 31, 1054-1064	4	78
5	A contact algorithm for smoothed particle hydrodynamics. *Computer Methods in Applied Mechanics and Engineering*, **2000**, 184, 49-65	5.7	102
4	A treatment of zero-energy modes in the smoothed particle hydrodynamics method. *Computer Methods in Applied Mechanics and Engineering*, **2000**, 184, 67-85	5.7	79
3	Modelling of Spall in an Anisotropic Aluminium Alloy. *Space Debris*, **2000**, 2, 225-232		4
2	A penalty approach for contact in smoothed particle hydrodynamics. *International Journal of Impact Engineering*, **1999**, 23, 945-956	4	11
1	Development of lagrangian hydrocode modelling for debris impact damage prediction. *International Journal of Impact Engineering*, **1997**, 20, 143-152	4	7