Yu-Xiang Peng

List of Publications by Year
in descending order

12 papers	212 citations	1040056 9 h-index	1281871 11 g-index
12 all docs	12 docs citations	12 times ranked	69 citing authors

#	Article	IF	Citations
1	Numerical simulation of structural damage subjected to the near-field underwater explosion based on SPH and RKPM. Ocean Engineering, 2021, 222, 108576.	4.3	40
2	A Review of SPH Techniques for Hydrodynamic Simulations of Ocean Energy Devices. Energies, 2022, 15, 502.	3.1	27
3	Investigation of impact resistance performance of pyramid lattice sandwich structure based on SPH-FEM. Composite Structures, 2021, 261, 113561.	5.8	26
4	A 3D meshfree crack propagation algorithm for the dynamic fracture in arbitrary curved shell. Computer Methods in Applied Mechanics and Engineering, 2020, 367, 113139.	6.6	23
5	Particle regeneration technique for Smoothed Particle Hydrodynamics in simulation of compressible multiphase flows. Computer Methods in Applied Mechanics and Engineering, 2021, 376, 113653.	6.6	19
6	A meshfree framework for the numerical simulation of elasto-plasticity deformation of ship structure. Ocean Engineering, 2019, 192, 106507.	4.3	18
7	An axisymmetric multiphase SPH model for the simulation of rising bubble. Computer Methods in Applied Mechanics and Engineering, 2020, 366, 113039.	6.6	17
8	Coupling of WCSPH and RKPM for the simulation of incompressible fluidâ€“structure interactions. Journal of Fluids and Structures, 2021, 102, 103254.	3.4	15
9	Experimental and Numerical Study on the Bubble Dynamics near Two-Connected Walls with An Obtuse Angle. China Ocean Engineering, 2020, 34, 828-839.	1.6	15
10	An improved model for compressible multiphase flows based on Smoothed Particle Hydrodynamics with enhanced particle regeneration technique. Journal of Computational Physics, 2022, 458, 111106.	3.8	9
11	An algorithm for implementing a boundary viscous force with single-layer wall particles based on WCSPH. Journal of Computational Physics, 2022, 464, 111328.	3.8	2
12	On the comparison of particle regeneration technique and volume adaptive scheme in the compressible flow based on smoothed particle hydrodynamics. Journal of Hydrodynamics, 2022, 34, 408-421.	3.2	1