Can Huang

List of Publications by Year in Descending Order

31 papers	916 citations	14 h-index	30 g-index
33 ext. papers	1,266 ext. citations	3.7 avg, IF	4.88 L-index

#	Paper	IF	Citations
31	A stable SPH model with large CFL numbers for multi-phase flows with large density ratios. *Journal of Computational Physics*, **2022**, 453, 110944	4.1	6
30	Coupled particle and mesh method in an Euler frame for unsteady flows around the pitching airfoil. *Engineering Analysis With Boundary Elements*, **2022**, 138, 159-176	2.6	3
29	Coupling edge-based smoothed finite element method with smoothed particle hydrodynamics for fluid structure interaction problems. *Ocean Engineering*, **2021**, 225, 108772	3.9	19
28	Review on studies of the emptying process of compressed hydrogen tanks. *International Journal of Hydrogen Energy*, **2021**, 46, 22554-22573	6.7	6
27	Simulating natural convection with high Rayleigh numbers using the Smoothed Particle Hydrodynamics method. *International Journal of Heat and Mass Transfer*, **2021**, 166, 120758	4.9	1
26	Lagrangian radial basis function-based particle hydrodynamics method and its application for viscous flows. *International Journal for Numerical Methods in Engineering*, **2021**, 122, 1964-1989	2.4	2
25	Continuous contact force model with an arbitrary damping term exponent: Model and discussion. *Mechanical Systems and Signal Processing*, **2021**, 159, 107808	7.8	4
24	Graphics processing unit-accelerated smoothed particle hydrodynamics–finite difference method and the application for the flow around a cylinder with forced motions. *Physics of Fluids*, **2021**, 33, 127122	4.4	4
23	Numerical investigation of the solitary wave breaking over a slope by using the finite particle method. *Coastal Engineering*, **2020**, 156, 103617	4.8	48
22	Modeling hydrate-bearing sediment with a mixed smoothed particle hydrodynamics. *Computational Mechanics*, **2020**, 66, 877-891	4	12
21	Smoothed particle hydrodynamics (SPH) for complex fluid flows: Recent developments in methodology and applications. *Physics of Fluids*, **2019**, 31, 011301	4.4	73
20	Coupling finite difference method with finite particle method for modeling viscous incompressible flows. *International Journal for Numerical Methods in Fluids*, **2019**, 90, 564-583	1.9	7
19	Non-uniform ignition behind a reflected shock and its influence on ignition delay measured in a shock tube. *Shock Waves*, **2019**, 29, 957-967	1.6	3
18	A kernel gradient-free SPH method with iterative particle shifting technology for modeling low-Reynolds flows around airfoils. *Engineering Analysis With Boundary Elements*, **2019**, 106, 571-587	2.6	22
17	An integrated finite particle method with perfectly matched layer for modeling wave-structure interaction. *Coastal Engineering Journal*, **2019**, 61, 78-95	2.8	2
16	A finite particle method with particle shifting technique for modeling particulate flows with thermal convection. *International Journal of Heat and Mass Transfer*, **2019**, 128, 1245-1262	4.9	38
15	A mixed characteristic boundary condition for simulating viscous incompressible fluid flows around a hydrofoil. *Journal of Marine Science and Technology*, **2019**, 24, 73-85	1.7	6

14	SPH method with applications of oscillating wave surge converter. *Ocean Engineering*, **2018**, 152, 273-285	3.9	28
13	A Data-Driven Design for Fault Detection of Wind Turbines Using Random Forests and XGboost. *IEEE Access*, **2018**, 6, 21020-21031	3.5	181
12	Modelling incompressible flows and fluid-structure interaction problems with smoothed particle hydrodynamics: Briefing on the 2017 SPHERIC Beijing International Workshop. *Journal of Hydrodynamics*, **2018**, 30, 34-37	3.3	2
11	Coupled finite particle method with a modified particle shifting technology. *International Journal for Numerical Methods in Engineering*, **2018**, 113, 179-207	2.4	46
10	Coupled finite particle method for simulations of wave and structure interaction. *Coastal Engineering*, **2018**, 140, 147-160	4.8	23
9	Present situation and future prospect of renewable energy in China. *Renewable and Sustainable Energy Reviews*, **2017**, 76, 865-871	16.2	260
8	Effect of Doubly Fed Induction GeneratorTidal Current Turbines on Stability of a Distribution Grid under Unbalanced Voltage Conditions. *Energies*, **2017**, 10, 212	3.1	4
7	An improved KGF-SPH with a novel discrete scheme of Laplacian operator for viscous incompressible fluid flows. *International Journal for Numerical Methods in Fluids*, **2016**, 81, 377-396	1.9	23
6	A kernel gradient free (KGF) SPH method. *International Journal for Numerical Methods in Fluids*, **2015**, 78, 691-707	1.9	41
5	An improved pre-processing method for somooth particle hydrodynamics. *Wuli Xuebao/Acta Physica Sinica*, **2014**, 63, 144702	0.6	4
4	Comparisons among weakly-compressible and incompressible smoothed particle hdrodynamic algorithms for natural convection. *Wuli Xuebao/Acta Physica Sinica*, **2014**, 63, 224701	0.6	2
3	Numerical study of separation on the trailing edge of a symmetrical airfoil at a low Reynolds number. *Chinese Journal of Aeronautics*, **2013**, 26, 918-925	3.7	14
2	Numerical Research of Aerodynamic Characteristic Effects of Base Jet on Supersonic Rocket. *Advances in Mechanical Engineering*, **2013**, 5, 757084	1.2	
1	The Rapid Estimation of Cellulose, Hemicellulose, and Lignin Contents in Rice Straw by Near Infrared Spectroscopy. *Energy Sources, Part A: Recovery, Utilization and Environmental Effects*, **2010**, 33, 114-120	1.6	31