Can Huang

List of Publications by Year
in descending order

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32 papers	1,710 citations	471477 17 h-index	434170 31 g-index
33 all docs	33 docs citations	33 times ranked	1513 citing authors

#	Article	IF	Citations
1	Present situation and future prospect of renewable energy in China. Renewable and Sustainable Energy Reviews, 2017, 76, 865-871.	16.4	407
2	A Data-Driven Design for Fault Detection of Wind Turbines Using Random Forests and XGboost. IEEE Access, 2018, 6, 21020-21031.	4.2	366
3	Smoothed particle hydrodynamics (SPH) for complex fluid flows: Recent developments in methodology and applications. Physics of Fluids, 2019, 31, .	4.0	241
4	Numerical investigation of the solitary wave breaking over a slope by using the finite particle method. Coastal Engineering, 2020, 156, 103617.	4.0	68
5	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.	4.8	66
6	Coupled finite particle method with a modified particle shifting technology. International Journal for Numerical Methods in Engineering, 2018, 113, 179-207.	2.8	63
7	A kernel gradient free (KGF) SPH method. International Journal for Numerical Methods in Fluids, 2015, 78, 691-707.	1.6	61
8	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.	3.7	47
9	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.	2.3	39
10	An improved KGFâ€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.	1.6	39
11	Coupling edge-based smoothed finite element method with smoothed particle hydrodynamics for fluid structure interaction problems. Ocean Engineering, 2021, 225, 108772.	4.3	39
12	SPH method with applications of oscillating wave surge converter. Ocean Engineering, 2018, 152, 273-285.	4.3	37
13	A stable SPH model with large CFL numbers for multi-phase flows with large density ratios. Journal of Computational Physics, 2022, 453, 110944.	3.8	33
14	Coupled finite particle method for simulations of wave and structure interaction. Coastal Engineering, 2018, 140, 147-160.	4.0	30
15	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.	5.3	23
16	Review on studies of the emptying process of compressed hydrogen tanks. International Journal of Hydrogen Energy, 2021, 46, 22554-22573.	7.1	21
17	Coupling finite difference method with finite particle method for modeling viscous incompressible flows. International Journal for Numerical Methods in Fluids, 2019, 90, 564-583.	1.6	20
18	Modeling hydrate-bearing sediment with a mixed smoothed particle hydrodynamics. Computational Mechanics, 2020, 66, 877-891.	4.0	20

#	Article	IF	Citations
19	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.	3.7	18
20	Graphics processing unit-accelerated smoothed particle hydrodynamicsâ€"Finite difference method and the application for the flow around a cylinder with forced motions. Physics of Fluids, 2021, 33, .	4.0	15
21	Continuous contact force model with an arbitrary damping term exponent: Model and discussion. Mechanical Systems and Signal Processing, 2021, 159, 107808.	8.0	11
22	Simulating natural convection with high Rayleigh numbers using the Smoothed Particle Hydrodynamics method. International Journal of Heat and Mass Transfer, 2021, 166, 120758.	4.8	10
23	Non-uniform ignition behind a reflected shock and its influence on ignition delay measured in a shock tube. Shock Waves, 2019, 29, 957-967.	1.9	7
24	A mixed characteristic boundary condition for simulating viscous incompressible fluid flows around a hydrofoil. Journal of Marine Science and Technology, 2019, 24, 73-85.	2.9	7
25	Effect of Doubly Fed Induction GeneratorTidal Current Turbines on Stability of a Distribution Grid under Unbalanced Voltage Conditions. Energies, 2017, 10, 212.	3.1	5
26	Lagrangian radial basis functionâ€based particle hydrodynamics method and its application for viscous flows. International Journal for Numerical Methods in Engineering, 2021, 122, 1964-1989.	2.8	5
27	An improved pre-processing method for somooth particle hydrodynamics. Wuli Xuebao/Acta Physica Sinica, 2014, 63, 144702.	0.5	4
28	An integrated finite particle method with perfectly matched layer for modeling wave-structure interaction. Coastal Engineering Journal, 2019, 61, 78-95.	1.9	3
29	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.	3.2	2
30	Comparisons among weakly-compressible and incompressible smoothed particle hdrodynamic algorithms for natural convection. Wuli Xuebao/Acta Physica Sinica, 2014, 63, 224701.	0.5	2
31	Numerical Research of Aerodynamic Characteristic Effects of Base Jet on Supersonic Rocket. Advances in Mechanical Engineering, 2013, 5, 757084.	1.6	0
32	Hydrodynamic research of a novel floating type pendulum wave energy converter based on simulations and experiments. , 2016, , .		0