

Can Huang

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.

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	Present situation and future prospect of renewable energy in China. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 76, 865-871	16.2	260
30	A Data-Driven Design for Fault Detection of Wind Turbines Using Random Forests and XGboost. <i>IEEE Access</i> , 2018 , 6, 21020-21031	3.5	181
29	Smoothed particle hydrodynamics (SPH) for complex fluid flows: Recent developments in methodology and applications. <i>Physics of Fluids</i> , 2019 , 31, 011301	4.4	73
28	Numerical investigation of the solitary wave breaking over a slope by using the finite particle method. <i>Coastal Engineering</i> , 2020 , 156, 103617	4.8	48
27	Coupled finite particle method with a modified particle shifting technology. <i>International Journal for Numerical Methods in Engineering</i> , 2018 , 113, 179-207	2.4	46
26	A kernel gradient free (KGF) SPH method. <i>International Journal for Numerical Methods in Fluids</i> , 2015 , 78, 691-707	1.9	41
25	A finite particle method with particle shifting technique for modeling particulate flows with thermal convection. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 128, 1245-1262	4.9	38
24	The Rapid Estimation of Cellulose, Hemicellulose, and Lignin Contents in Rice Straw by Near Infrared Spectroscopy. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2010 , 33, 114-120	1.6	31
23	SPH method with applications of oscillating wave surge converter. <i>Ocean Engineering</i> , 2018 , 152, 273-285	3.9	28
22	Coupled finite particle method for simulations of wave and structure interaction. <i>Coastal Engineering</i> , 2018 , 140, 147-160	4.8	23
21	An improved KGF-SPH with a novel discrete scheme of Laplacian operator for viscous incompressible fluid flows. <i>International Journal for Numerical Methods in Fluids</i> , 2016 , 81, 377-396	1.9	23
20	A kernel gradient-free SPH method with iterative particle shifting technology for modeling low-Reynolds flows around airfoils. <i>Engineering Analysis With Boundary Elements</i> , 2019 , 106, 571-587	2.6	22
19	Coupling edge-based smoothed finite element method with smoothed particle hydrodynamics for fluid structure interaction problems. <i>Ocean Engineering</i> , 2021 , 225, 108772	3.9	19
18	Numerical study of separation on the trailing edge of a symmetrical airfoil at a low Reynolds number. <i>Chinese Journal of Aeronautics</i> , 2013 , 26, 918-925	3.7	14
17	Modeling hydrate-bearing sediment with a mixed smoothed particle hydrodynamics. <i>Computational Mechanics</i> , 2020 , 66, 877-891	4	12
16	Coupling finite difference method with finite particle method for modeling viscous incompressible flows. <i>International Journal for Numerical Methods in Fluids</i> , 2019 , 90, 564-583	1.9	7
15	A stable SPH model with large CFL numbers for multi-phase flows with large density ratios. <i>Journal of Computational Physics</i> , 2022 , 453, 110944	4.1	6

14	Review on studies of the emptying process of compressed hydrogen tanks. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 22554-22573	6.7	6
13	A mixed characteristic boundary condition for simulating viscous incompressible fluid flows around a hydrofoil. <i>Journal of Marine Science and Technology</i> , 2019 , 24, 73-85	1.7	6
12	Effect of Doubly Fed Induction Generator Tidal Current Turbines on Stability of a Distribution Grid under Unbalanced Voltage Conditions. <i>Energies</i> , 2017 , 10, 212	3.1	4
11	An improved pre-processing method for smooth particle hydrodynamics. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2014 , 63, 144702	0.6	4
10	Continuous contact force model with an arbitrary damping term exponent: Model and discussion. <i>Mechanical Systems and Signal Processing</i> , 2021 , 159, 107808	7.8	4
9	Graphics processing unit-accelerated smoothed particle hydrodynamics finite difference method and the application for the flow around a cylinder with forced motions. <i>Physics of Fluids</i> , 2021 , 33, 127122	4.4	4
8	Non-uniform ignition behind a reflected shock and its influence on ignition delay measured in a shock tube. <i>Shock Waves</i> , 2019 , 29, 957-967	1.6	3
7	Coupled particle and mesh method in an Euler frame for unsteady flows around the pitching airfoil. <i>Engineering Analysis With Boundary Elements</i> , 2022 , 138, 159-176	2.6	3
6	Modelling incompressible flows and fluid-structure interaction problems with smoothed particle hydrodynamics: Briefing on the 2017 SPHERIC Beijing International Workshop. <i>Journal of Hydrodynamics</i> , 2018 , 30, 34-37	3.3	2
5	Comparisons among weakly-compressible and incompressible smoothed particle hydrodynamic algorithms for natural convection. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2014 , 63, 224701	0.6	2
4	An integrated finite particle method with perfectly matched layer for modeling wave-structure interaction. <i>Coastal Engineering Journal</i> , 2019 , 61, 78-95	2.8	2
3	Lagrangian radial basis function-based particle hydrodynamics method and its application for viscous flows. <i>International Journal for Numerical Methods in Engineering</i> , 2021 , 122, 1964-1989	2.4	2
2	Simulating natural convection with high Rayleigh numbers using the Smoothed Particle Hydrodynamics method. <i>International Journal of Heat and Mass Transfer</i> , 2021 , 166, 120758	4.9	1
1	Numerical Research of Aerodynamic Characteristic Effects of Base Jet on Supersonic Rocket. <i>Advances in Mechanical Engineering</i> , 2013 , 5, 757084	1.2	