Zhilang Zhang

List of Publications by Year
in descending order

10	374	1163117 8	1281871 11
papers	citations	h-index	g-index

11	11	11	264
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Numerical analysis of heat and mass transfer during hydrogen absorption in metal hydride beds with a novel peridynamic model. Applied Thermal Engineering, 2022, 209, 118294.	6.0	4
2	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
3	Multi-resolution technique integrated with smoothed particle element method (SPEM) for modeling fluid-structure interaction problems with free surfaces. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1.	5.1	13
4	A New Formula for Predicting the Crater Size of a Target Plate Produced by Hypervelocity Impact. International Journal of Computational Methods, 2020, 17, 1844004.	1.3	1
5	Fully resolved simulations of thermal convective suspensions of elliptic particles using a multigrid fictitious boundary method. International Journal of Heat and Mass Transfer, 2019, 139, 802-821.	4.8	22
6	Smoothed particle hydrodynamics (SPH) for modeling fluid-structure interactions. Science China: Physics, Mechanics and Astronomy, 2019, 62, 1.	5.1	137
7	Numerical Study on High Velocity Impact Welding Using a Modified SPH Method. International Journal of Computational Methods, 2019, 16, 1846001.	1.3	16
8	Dynamics of elliptic particle sedimentation with thermal convection. Physics of Fluids, 2018, 30, .	4.0	40
9	Meshfree modeling of a fluidâ€particle twoâ€phase flow with an improved SPH method. International Journal for Numerical Methods in Engineering, 2018, 116, 530-569.	2.8	53
10	A density-adaptive SPH method with kernel gradient correction for modeling explosive welding. Computational Mechanics, 2017, 60, 513-529.	4.0	77