

Chi Zhang

List of Publications by Year in Descending Order

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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.

18
papers

245
citations

9
h-index

15
g-index

20
ext. papers

448
ext. citations

3.6
avg, IF

4.4
L-index

| # | Paper | IF | Citations |
|----|---|-----|-----------|
| 18 | A dynamic relaxation method with operator splitting and random-choice strategy for SPH. <i>Journal of Computational Physics</i> , 2022 , 458, 111105 | 4.1 | 1 |
| 17 | An efficient and generalized solid boundary condition for SPH: Applications to multi-phase flow and fluid-structure interaction. <i>European Journal of Mechanics, B/Fluids</i> , 2022 , 94, 276-292 | 2.4 | 0 |
| 16 | A CAD-compatible body-fitted particle generator for arbitrarily complex geometry and its application to wave-structure interaction. <i>Journal of Hydrodynamics</i> , 2021 , 33, 195-206 | 3.3 | 10 |
| 15 | Generative adversarial networks with physical evaluators for spray simulation of pintle injector. <i>AIP Advances</i> , 2021 , 11, 075007 | 1.5 | 0 |
| 14 | Particle-based simulation of cold spray: Influence of oxide layer on impact process. <i>Additive Manufacturing</i> , 2021 , 37, 101517 | 6.1 | 6 |
| 13 | A multi-resolution SPH method for fluid-structure interactions. <i>Journal of Computational Physics</i> , 2021 , 429, 110028 | 4.1 | 22 |
| 12 | The variable-extended immersed boundary method for compressible gaseous reactive flows past solid bodies. <i>International Journal for Numerical Methods in Engineering</i> , 2021 , 122, 2221-2238 | 2.4 | |
| 11 | An integrative smoothed particle hydrodynamics method for modeling cardiac function. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021 , 381, 113847 | 5.7 | 9 |
| 10 | Modeling of Cavitation Bubble Cloud with Discrete Lagrangian Tracking. <i>Water (Switzerland)</i> , 2021 , 13, 2684 | 3 | 1 |
| 9 | An efficient fully Lagrangian solver for modeling wave interaction with oscillating wave surge converter. <i>Ocean Engineering</i> , 2021 , 236, 109540 | 3.9 | 4 |
| 8 | SPHinXsys: An open-source multi-physics and multi-resolution library based on smoothed particle hydrodynamics. <i>Computer Physics Communications</i> , 2021 , 267, 108066 | 4.2 | 11 |
| 7 | A consistency-driven particle-advection formulation for weakly-compressible smoothed particle hydrodynamics. <i>Computers and Fluids</i> , 2021 , 230, 105140 | 2.8 | 0 |
| 6 | A weakly compressible SPH method for violent multi-phase flows with high density ratio. <i>Journal of Computational Physics</i> , 2020 , 402, 109092 | 4.1 | 34 |
| 5 | Dual-criteria time stepping for weakly compressible smoothed particle hydrodynamics. <i>Journal of Computational Physics</i> , 2020 , 404, 109135 | 4.1 | 10 |
| 4 | SPHinXsys: An open-source meshless, multi-resolution and multi-physics library. <i>Software Impacts</i> , 2020 , 6, 100033 | 1.8 | 13 |
| 3 | A weakly compressible SPH method with WENO reconstruction. <i>Journal of Computational Physics</i> , 2019 , 392, 1-18 | 4.1 | 21 |
| 2 | A weakly compressible SPH method based on a low-dissipation Riemann solver. <i>Journal of Computational Physics</i> , 2017 , 335, 605-620 | 4.1 | 65 |

1 A generalized transport-velocity formulation for smoothed particle hydrodynamics. *Journal of Computational Physics*, **2017**, 337, 216-232 4.1 38