Chang Liu

List of Publications by Year
in descending order

12 papers	406 citations	933447 10 h-index	1199594 12 g-index
13 all docs	13 docs citations	13 times ranked	153 citing authors

#	Article	IF	Citations
1	A unified gas-kinetic scheme for continuum and rarefied flows IV: Full Boltzmann and model equations. Journal of Computational Physics, 2016, 314, 305-340.	3.8	75
2	A Unified Gas Kinetic Scheme for Continuum and Rarefied Flows V: Multiscale and Multi-Component Plasma Transport. Communications in Computational Physics, 2017, 22, 1175-1223.	1.7	59
3	Unified gas-kinetic wave-particle methods I: Continuum and rarefied gas flow. Journal of Computational Physics, 2020, 401, 108977.	3.8	51
4	Unified gas-kinetic wave-particle methods. II. Multiscale simulation on unstructured mesh. Physics of Fluids, 2019, 31, .	4.0	49
5	A paradigm for modeling and computation of gas dynamics. Physics of Fluids, 2017, 29, 026101.	4.0	41
6	A unified gas-kinetic scheme for continuum and rarefied flows VI: Dilute disperse gas-particle multiphase system. Journal of Computational Physics, 2019, 386, 264-295.	3.8	32
7	Unified gas-kinetic wave-particle methods III: Multiscale photon transport. Journal of Computational Physics, 2020, 408, 109280.	3.8	27
8	A velocity-space adaptive unified gas kinetic scheme for continuum and rarefied flows. Journal of Computational Physics, 2020, 415, 109535.	3.8	23
9	Unified gas-kinetic wave-particle methods IV: multi-species gas mixture and plasma transport. Advances in Aerodynamics, 2021, 3, .	2.5	20
10	Unified gas-kinetic wave-particle methods V: Diatomic molecular flow. Journal of Computational Physics, 2021, 442, 110496.	3.8	12
11	A unified gas-kinetic scheme for micro flow simulation based on linearized kinetic equation. Advances in Aerodynamics, 2020, 2, .	2.5	10
12	Limitation principle for computational fluid dynamics. Shock Waves, 2019, 29, 1083-1102.	1.9	7