

# Chang Liu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4515928/publications.pdf>

Version: 2024-02-01

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