Masanari Hattori

List of Publications by Year
in descending order

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14	127	1307594 7	1199594 12
papers	citations	h-index	g-index

14	14	14	70
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Heat transfer in a dense gas between two parallel plates. AIP Advances, 2022, 12, 055220.	1.3	2
2	Singular Behavior of the Macroscopic Quantity Near the Boundary for a Lorentz-Gas Model with the Infinite-Range Potential. Journal of Statistical Physics, 2022, 188, .	1.2	0
3	Kinetic model for the phase transition of the van der Waals fluid. Physical Review E, 2021, 103, 062110.	2.1	9
4	Slip/jump coefficients and Knudsen-layer corrections for the Shakhov model occurring in the generalized slip-flow theory. AIP Conference Proceedings, 2019, , .	0.4	1
5	Sound waves propagating in a slightly rarefied gas over a smooth solid boundary. Physical Review Fluids, 2019, 4, .	2.5	4
6	Kinetic theory for a simple modeling of a phase transition: Dynamics out of local equilibrium. Physical Review E, 2018, 98, .	2.1	10
7	Slip boundary conditions for the compressible Navier-Stokes equations for a polyatomic gas. Physical Review Fluids, 2018, 3, .	2.5	18
8	Slip Boundary Conditions for the Compressible Navierâ€“Stokes Equations. Journal of Statistical Physics, 2017, 169, 744-781.	1.2	27
9	A kinetic model of adsorption on solid surfaces. AIP Conference Proceedings, 2016, , .	0.4	3
10	Slip/jump coefficients and Knudsen-layer corrections for the ES model in the generalized slip-flow theory. AIP Conference Proceedings, 2016, , .	0.4	5
11	Second-Order Knudsen-Layer Analysis for the Generalized Slip-Flow Theory II: Curvature Effects. Journal of Statistical Physics, 2015, 161, 1010-1036.	1.2	7
12	Parabolic temperature profile and second-order temperature jump of a slightly rarefied gas in an unsteady two-surface problem. Physics of Fluids, 2012, 24, .	4.0	12
13	On the second-order slip and jump coefficients for the general theory of slip flow. AIP Conference Proceedings, 2012, , .	0.4	2
14	Asymptotic Theory for the Time-Dependent Behavior of a Slightly Rarefied Gas Over a Smooth Solid Boundary. Journal of Statistical Physics, 2012, 147, 1182-1215.	1.2	27