

# Masanari Hattori

## List of Publications by Year in descending order

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14  
papers

127  
citations

1307594

7  
h-index

1199594

12  
g-index

14  
all docs

14  
docs citations

14  
times ranked

70  
citing authors

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