Ryosuke Yano

List of Publications by Year in Descending Order

38 papers	134 citations	6 h-index	9 g-index
43 ext. papers	145 ext. citations	2.7 avg, IF	3.71 L-index

#	Paper	IF	Citations
38	Recollisional effects on dissipation of granular gases driven by Gaussian thermostat. *European Physical Journal Plus*, **2022**, 137, 1	3.1	
37	A numerical method to calculate multiple epidemic waves in COVID-19 with a realistic total number of people involved. *Journal of Statistical Mechanics: Theory and Experiment*, **2022**, 2022, 033403	1.9	0
36	Toy model of accumulation and radiation of strain energy driven by big data of earthquakes. *Journal of Physics Communications*, **2021**, 5, 045012	1.2	
35	Topological analysis of pattern formation in cooling granular gases confined by elastic wall. *Journal of Physics Communications*, **2020**, 4, 015023	1.2	2
34	Collective dynamics of Stokesian swimmers with impulsive acceleration. *Journal of Statistical Mechanics: Theory and Experiment*, **2020**, 2020, 083406	1.9	
33	Distribution of waiting time between two successive aftershocks from modified Omori's law. *Europhysics Letters*, **2019**, 127, 60005	1.6	
32	Effect of form of obstacle on speed of crowd evacuation. *Physical Review E*, **2018**, 97, 032319	2.4	21
31	Transport via the Boltzmann equation with anomalous collisions. *Physical Review E*, **2018**, 98,	2.4	1
30	Thermal fluctuations of granular gas driven by a Gaussian thermostat based on two-point kinetic theory. *Physica Scripta*, **2018**, 93, 095701	2.6	2
29	Fast and accurate calculation of dilute quantum gas using Uehling–Uhlenbeck model equation. *Journal of Computational Physics*, **2017**, 330, 1010-1021	4.1	6
28	Geometric random walk of finite number of agents under constant variance. *Journal of Statistical Mechanics: Theory and Experiment*, **2017**, 2017, 053204	1.9	2
27	Characteristics of isothermal Fokker–Planck equation for opinion-cluster involved with self-thinking. *Journal of Statistical Mechanics: Theory and Experiment*, **2017**, 2017, 033401	1.9	2
26	Kinetic Modeling of Local Epidemic Spread and Its Simulation. *Journal of Scientific Computing*, **2017**, 73, 122-156	2.3	6
25	From conduction to convection of thermally relativistic fluids between two parallel walls under gravitational force. *Physica A: Statistical Mechanics and Its Applications*, **2017**, 465, 384-402	3.3	
24	On the High-Speed Fracture of Ice Spheres Subjected to Impact Loading. *The Proceedings of the Materials and Mechanics Conference*, **2016**, 2016, GS-21	0	1
23	Dissipation process of binary gas mixtures in thermally relativistic flow. *Journal of Statistical Mechanics: Theory and Experiment*, **2016**, 2016, 043211	1.9	1
22	Problems with the linear q-Fokker Planck equation. *Journal of Statistical Mechanics: Theory and Experiment*, **2015**, 2015, P05005	1.9	3

21   On Quantum Fokker-Planck Equation. *Journal of Statistical Physics*, **2015**, 158, 231-247   1.5   8

20   Opinion formation with upper and lower bounds. *European Physical Journal B*, **2015**, 88, 1   1.2   3

19   Semi-classical expansion of distribution function using modified Hermite polynomials for quantum gas. *Physica A: Statistical Mechanics and Its Applications*, **2014**, 416, 231-241   3.3   7

18   Numerical Study on Fundamental Characteristics of Electro-Hydrodynamic Thruster for Mobility in Planetary Atmosphere. *Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan*, **2014**, 12, Pe_5-Pe_9   0.3   1

17   Effect of Rarefied Gas Dynamics on Response of Air Data Sensor System for Atmospheric Entry Vehicle Flying at High Altitudes. *Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan*, **2014**, 12, To_2_1-To_2_5   0.3

16   Uniform shear flow under thermally relativistic limit: Case of zero Lorentz contraction. *Physica A: Statistical Mechanics and Its Applications*, **2013**, 392, 4222-4230   3.3   1

15   Transport coefficients of the inelastic variable hard sphere. *Journal of Physics A: Mathematical and Theoretical*, **2013**, 46, 375502   2   6

14   Autocorrelation of density fluctuations for thermally relativistic fluids. *Physical Review D*, **2013**, 88,   4.9   2

13   Coarsely grained stochastic Boltzmann equation and its moment equations. *Physica A: Statistical Mechanics and Its Applications*, **2012**, 391, 2291-2299   3.3   3

12   Kinetic analysis of ultrarelativistic flow with dissipation. *Physical Review D*, **2012**, 86,   4.9   3

11   Numerical Study on Application of Knudsen Pump to Thruster of Spacecraft. *Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan*, **2012**, 10, Pe_73-Pe_80   0.3

10   Kinetic analysis of thermally relativistic flow with dissipation. *Physical Review D*, **2011**, 83,   4.9   6

9   Kinetic analysis of thermally relativistic flow with dissipation. II. Relativistic Boltzmann equation versus its kinetic models. *Physical Review D*, **2011**, 83,   4.9   6

8   Kinetic description of finite-wall catalysis for monatomic molecular recombination. *Physics of Fluids*, **2011**, 23, 117101   4.4   2

7   On the Kinetic Formulation of Vibrationally Coupled Diatomic Dissociation and Monatomic Recombination **2010**,   1

6   Thermally relativistic flows induced by gravitational-force-free particle motion in curved spacetime. *Physical Review D*, **2009**, 80,   4.9   3

5   Analytical and numerical study on the nonequilibrium relaxation by the simplified Fokker-Planck equation. *Physics of Fluids*, **2009**, 21, 047104   4.4   14

4   Formulation and numerical analysis of vibrationally coupled recombination of monatomic molecules using Boltzmann kinetic equation. *Physics of Fluids*, **2009**, 21, 127101   4.4   3

3	Numerical analysis of relativistic shock layer problem by using relativistic Boltzmann kinetic equations. *Physica A: Statistical Mechanics and Its Applications*, **2007**, 381, 8-21	3.3	5
2	Formulation and numerical analysis of diatomic molecular dissociation using Boltzmann kinetic equation. *Physics of Fluids*, **2007**, 19, 017103	4.4	8
1	Kinetic model of wealth distribution by trading stocks with geometric brownian motion. *International Journal of Modern Physics C*,2250001	1.1	