

Ryosuke Yano

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Effect of form of obstacle on speed of crowd evacuation. <i>Physical Review E</i> , 2018 , 97, 032319	2.4	21
37	Analytical and numerical study on the nonequilibrium relaxation by the simplified Fokker-Planck equation. <i>Physics of Fluids</i> , 2009 , 21, 047104	4.4	14
36	On Quantum Fokker-Planck Equation. <i>Journal of Statistical Physics</i> , 2015 , 158, 231-247	1.5	8
35	Formulation and numerical analysis of diatomic molecular dissociation using Boltzmann kinetic equation. <i>Physics of Fluids</i> , 2007 , 19, 017103	4.4	8
34	Semi-classical expansion of distribution function using modified Hermite polynomials for quantum gas. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014 , 416, 231-241	3.3	7
33	Fast and accurate calculation of dilute quantum gas using Uehling-Uhlenbeck model equation. <i>Journal of Computational Physics</i> , 2017 , 330, 1010-1021	4.1	6
32	Kinetic Modeling of Local Epidemic Spread and Its Simulation. <i>Journal of Scientific Computing</i> , 2017 , 73, 122-156	2.3	6
31	Transport coefficients of the inelastic variable hard sphere. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2013 , 46, 375502	2	6
30	Kinetic analysis of thermally relativistic flow with dissipation. <i>Physical Review D</i> , 2011 , 83,	4.9	6
29	Kinetic analysis of thermally relativistic flow with dissipation. II. Relativistic Boltzmann equation versus its kinetic models. <i>Physical Review D</i> , 2011 , 83,	4.9	6
28	Numerical analysis of relativistic shock layer problem by using relativistic Boltzmann kinetic equations. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007 , 381, 8-21	3.3	5
27	Problems with the linear q-Fokker Planck equation. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2015 , 2015, P05005	1.9	3
26	Coarsely grained stochastic Boltzmann equation and its moment equations. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012 , 391, 2291-2299	3.3	3
25	Opinion formation with upper and lower bounds. <i>European Physical Journal B</i> , 2015 , 88, 1	1.2	3
24	Thermally relativistic flows induced by gravitational-force-free particle motion in curved spacetime. <i>Physical Review D</i> , 2009 , 80,	4.9	3
23	Formulation and numerical analysis of vibrationally coupled recombination of monatomic molecules using Boltzmann kinetic equation. <i>Physics of Fluids</i> , 2009 , 21, 127101	4.4	3
22	Kinetic analysis of ultrarelativistic flow with dissipation. <i>Physical Review D</i> , 2012 , 86,	4.9	3

21	Geometric random walk of finite number of agents under constant variance. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2017 , 2017, 053204	1.9	2
20	Characteristics of isothermal Fokker-Planck equation for opinion-cluster involved with self-thinking. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2017 , 2017, 033401	1.9	2
19	Topological analysis of pattern formation in cooling granular gases confined by elastic wall. <i>Journal of Physics Communications</i> , 2020 , 4, 015023	1.2	2
18	Autocorrelation of density fluctuations for thermally relativistic fluids. <i>Physical Review D</i> , 2013 , 88,	4.9	2
17	Kinetic description of finite-wall catalysis for monatomic molecular recombination. <i>Physics of Fluids</i> , 2011 , 23, 117101	4.4	2
16	Thermal fluctuations of granular gas driven by a Gaussian thermostat based on two-point kinetic theory. <i>Physica Scripta</i> , 2018 , 93, 095701	2.6	2
15	Uniform shear flow under thermally relativistic limit: Case of zero Lorentz contraction. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013 , 392, 4222-4230	3.3	1
14	Numerical Study on Fundamental Characteristics of Electro-Hydrodynamic Thruster for Mobility in Planetary Atmosphere. <i>Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan</i> , 2014 , 12, Pe_5-Pe_9	0.3	1
13	On the Kinetic Formulation of Vibrationally Coupled Diatomic Dissociation and Monatomic Recombination 2010 ,		1
12	On the High-Speed Fracture of Ice Spheres Subjected to Impact Loading. <i>The Proceedings of the Materials and Mechanics Conference</i> , 2016 , 2016, GS-21	0	1
11	Dissipation process of binary gas mixtures in thermally relativistic flow. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2016 , 2016, 043211	1.9	1
10	Transport via the Boltzmann equation with anomalous collisions. <i>Physical Review E</i> , 2018 , 98,	2.4	1
9	A numerical method to calculate multiple epidemic waves in COVID-19 with a realistic total number of people involved. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2022 , 2022, 033403	1.9	0
8	Distribution of waiting time between two successive aftershocks from modified Omori's law. <i>Europhysics Letters</i> , 2019 , 127, 60005	1.6	
7	From conduction to convection of thermally relativistic fluids between two parallel walls under gravitational force. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017 , 465, 384-402	3.3	
6	Collective dynamics of Stokesian swimmers with impulsive acceleration. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2020 , 2020, 083406	1.9	
5	Numerical Study on Application of Knudsen Pump to Thruster of Spacecraft. <i>Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan</i> , 2012 , 10, Pe_73-Pe_80	0.3	
4	Effect of Rarefied Gas Dynamics on Response of Air Data Sensor System for Atmospheric Entry Vehicle Flying at High Altitudes. <i>Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan</i> , 2014 , 12, To_2_1-To_2_5	0.3	

- 3 Toy model of accumulation and radiation of strain energy driven by big data of earthquakes. *Journal of Physics Communications*, **2021**, 5, 045012 1.2
- 2 Kinetic model of wealth distribution by trading stocks with geometric brownian motion. *International Journal of Modern Physics C*, 2250001 1.1
- 1 Recollisional effects on dissipation of granular gases driven by Gaussian thermostat. *European Physical Journal Plus*, **2022**, 137, 1 3.1