Youhei Fujitani

List of Publications by Year
in descending order

27 papers	269 citations

933447

10 h-index	

996975

15 g-index	

29 all docs	29 docs citations
29 times ranked	111 citing authors

#	ARTICLE	IF	CITATIONS
1	Diffusiophoresis in a near-critical binary fluid mixture. Physics of Fluids, 2022, 34, .	4.0	3
2	Isothermal transport of a near-critical binary fluid mixture through a capillary tube with the preferential adsorption. Physics of Fluids, 2022, 34, .	4.0	2
3	Suppression of viscosity enhancement around a Brownian particle in a near-critical binary fluid mixture. Journal of Fluid Mechanics, 2021, 907, .	3.4	4
4	Drag coefficient of a rigid spherical particle in a near-critical binary fluid mixture, beyond the regime of the Gaussian model. Journal of Fluid Mechanics, 2020, 886, .	3.4	8
5	Osmotic Effects on Dynamics of a Colloidal Rigid Sphere in a Near-Critical Binary Fluid Mixture. Journal of the Physical Society of Japan, 2018, 87, 084602.	1.6	5
6	Drag Coefficient of a Circular Inclusion in a Near-Critical Binary Fluid Membrane. Journal of the Physical Society of Japan, 2018, 87, 104601.	1.6	4
7	Undulation Amplitude of a Fluid Membrane in a Near-Critical Binary Fluid Mixture Calculated beyond the Gaussian Model Supposing Weak Preferential Attraction. Journal of the Physical Society of Japan, 2017, 86, 044602.	1.6	8
8	Relaxation rate of the shape fluctuation of a fluid membrane immersed in a near-critical binary fluid mixture. European Physical Journal E, 2016, 39, 31.	1.6	5
9	Fluctuation Amplitude of a Trapped Rigid Sphere Immersed in a Near-Critical Binary Fluid Mixture within the Regime of the Gaussian Model. Journal of the Physical Society of Japan, 2016, 85, .	1.6	14
10	Undulation amplitude of a fluid membrane surrounded by near-critical binary fluid mixtures. Physical Review E, 2015, 91, 042402.	2.1	5
11	Effective Viscosity of a Near-Critical Binary Fluid Mixture with Colloidal Particles Dispersed Dilutely under Weak Shear. Journal of the Physical Society of Japan, 2014, 83, 084401.	1.6	14
12	Drag Coefficient of a Spherical Droplet Immersed in a Near-Critical Binary Fluid Mixture. Journal of the Physical Society of Japan, 2014, 83, 024401.	1.6	10
13	Hydrodynamic Effect on Concentration Fluctuation in a Two-Component Fluid Membrane with a Spherical Shape. Journal of the Physical Society of Japan, 2013, 82, 014601.	1.6	4
14	Drag Coefficient of a Raftlike Domain Embedded in a Fluid Membrane Being a Near-Critical Binary Mixture. Journal of the Physical Society of Japan, 2013, 82, 124601.	1.6	11
15	Drag Coefficient of a Rigid Spherical Particle in a Near-Critical Binary Fluid Mixture. Journal of the Physical Society of Japan, 2013, 82, 084003.	1.6	22
16	Random-Walk Mechanism in the Genetic Recombination. Advances in Experimental Medicine and Biology, 2010, 680, 275-282.	1.6	2
17	Concentration Fluctuation in a Two-Component Fluid Membrane Surrounded with Three-Dimensional Fluids. Journal of the Physical Society of Japan, 2008, 77, 114603.	1.6	32
18	Connection of Fields across the Interface in the Fluid Particle Dynamics Method for Colloidal Dispersions. Journal of the Physical Society of Japan, 2007, 76, 064401.	1.6	15

#	Article	IF	Citations
19	Small Deformation of a Nearly Circular Lipid-Raft in the Stagnation Flow. Journal of the Physical Society of Japan, 2005, 74, 642-647.	1.6	8
20	Asymmetric Random Walk in a Reaction Intermediate of Homologous Recombination. Journal of Theoretical Biology, 2003, 220, 359-370.	1.7	8
21	Minimum-Work Process for Isothermal Shift of a Brownian Particle. Journal of the Physical Society of Japan, 2003, 72, 1300-1301.	1.6	3
22	Passive-scalar diffusion in a fluid membrane. Journal of Chemical Physics, 2002, 116, 7787-7794.	3.0	8
23	A Reaction-Diffusion Model for Interference in Meiotic Crossing Over. Genetics, 2002, 161, 365-372.	2.9	22
24	A Simple Formulation of Non-Equilibrium Thermodynamics of a Polarizable Fluid. Journal of the Physical Society of Japan, 2001, 70, 1556-1564.	1.6	1
25	Effect of DNA Sequence Divergence on Homologous Recombination as Analyzed by a Random-Walk Model. Genetics, 1999, 153, 1973-1988.	2.9	23
26	Erratum to "Dynamics of the lipid-bilayer membrane taking a vesicle shape"[Physica A 203 (1994) 214]. Physica A: Statistical Mechanics and Its Applications, 1997, 237, 346-347.	2.6	9
27	Random-walk model of homologous recombination. Physical Review E, 1995, 52, 6607-6622.	2.1	14