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	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
2	Effect of DNA Sequence Divergence on Homologous Recombination as Analyzed by a Random-Walk Model. Genetics, 1999, 153, 1973-1988.	2.9	23
3	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
4	A Reaction-Diffusion Model for Interference in Meiotic Crossing Over. Genetics, 2002, 161, 365-372.	2.9	22
5	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
6	Random-walk model of homologous recombination. Physical Review E, 1995, 52, 6607-6622.	2.1	14
7	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
8	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
9	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
10	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
11	Erratum to â€œDynamics of the lipid-bilayer membrane taking a vesicle shapeâ€•[Physica A 203 (1994) 214]. Physica A: Statistical Mechanics and Its Applications, 1997, 237, 346-347.	2.6	9
12	Passive-scalar diffusion in a fluid membrane. Journal of Chemical Physics, 2002, 116, 7787-7794.	3.0	8
13	Asymmetric Random Walk in a Reaction Intermediate of Homologous Recombination. Journal of Theoretical Biology, 2003, 220, 359-370.	1.7	8
14	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
15	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
16	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
17	Undulation amplitude of a fluid membrane surrounded by near-critical binary fluid mixtures. Physical Review E, 2015, 91, 042402.	2.1	5
18	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

#	Article	IF	Citations
19	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
20	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
21	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
22	Suppression of viscosity enhancement around a Brownian particle in a near-critical binary fluid mixture. Journal of Fluid Mechanics, 2021, 907, .	3.4	4
23	Minimum-Work Process for Isothermal Shift of a Brownian Particle. Journal of the Physical Society of Japan, 2003, 72, 1300-1301.	1.6	3
24	Diffusiophoresis in a near-critical binary fluid mixture. Physics of Fluids, 2022, 34, .	4.0	3
25	Random-Walk Mechanism in the Genetic Recombination. Advances in Experimental Medicine and Biology, 2010, 680, 275-282.	1.6	2
26	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
27	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