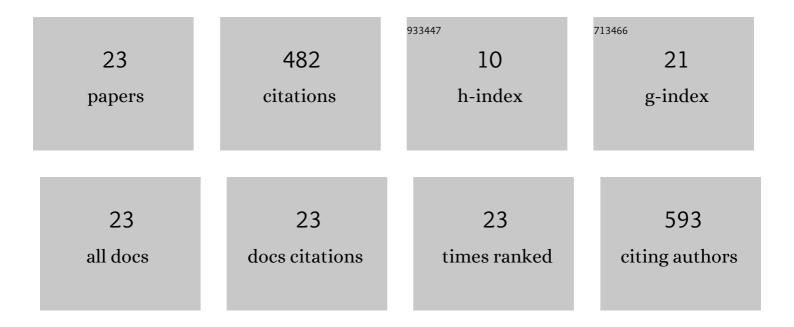
Yoshihiro Murayama

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Deformation-Dependent Nonlinear Relaxation in Dense DNA Solutions. Journal of the Physical Society of Japan, 2022, 91, .	1.6	0
2	Cyclic Micropipette Aspiration Reveals Viscoelastic Change of a Gelatin Microgel Prepared Inside a Lipid Droplet. Langmuir, 2020, 36, 5186-5191.	3.5	17
3	Increasing Elasticity through Changes in the Secondary Structure of Gelatin by Gelation in a Microsized Lipid Space. ACS Central Science, 2018, 4, 477-483.	11.3	29
4	Length dependence of viscoelasticity of entangled-DNA solution with and without external stress. AIP Advances, 2018, 8, 105218.	1.3	3
5	Dynamic Features of Plectoneme Formation of Twisted DNA at Low Force. Journal of the Physical Society of Japan, 2018, 87, 093801.	1.6	1
6	DNA cytoskeleton for stabilizing artificial cells. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 7228-7233.	7.1	113
7	Simple method to measure and analyze the fluctuations of a small particle in biopolymer solutions. Review of Scientific Instruments, 2015, 86, 125105.	1.3	4
8	Detection of change in elastic properties of a stretched DNA by using correlation functions of fluctuations. , 2013, , .		0
9	Force–Fluctuation Relation of a Single DNA Molecule. Macromolecules, 2012, 45, 2857-2862.	4.8	10
10	Experimental study on the kinetics of granular gases under microgravity. Journal of Fluid Mechanics, 2009, 641, 521-539.	3.4	64
11	Probing force-induced unfolding intermediates of a single staphylococcal nuclease molecule and the effect of ligand binding. Biochemical and Biophysical Research Communications, 2008, 375, 586-591.	2.1	10
12	Experimental Study of the Freely Evolving Granular Gas under Microgravity Condition. AIP Conference Proceedings, 2008, , .	0.4	2
13	Dynamic force spectroscopy of a single condensed DNA. Europhysics Letters, 2007, 79, 58001.	2.0	13
14	Elastic Convection in Vibrated Viscoplastic Fluids. Physical Review Letters, 2007, 98, 044501.	7.8	12
15	Experimental test of a new equality: Measuring heat dissipation in an optically driven colloidal system. Physical Review E, 2007, 75, 011122.	2.1	45
16	Unfolding Dynamics of Single Collapsed DNA Molecules. Progress of Theoretical Physics Supplement, 2006, 165, 144-163.	0.1	2
17	Visualization during Stick-Release and Plateau Responses of Collapsed DNA. Progress of Theoretical Physics Supplement, 2006, 161, 282-285.	0.1	1
18	Exchange of counterions in DNA condensation. Biopolymers, 2005, 77, 354-360.	2.4	9

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#	Article	IF	CITATIONS
19	Nonlinear elasticity of single collapsed polyelectrolytes. Physical Review E, 2005, 72, 041803.	2.1	7
20	Elastic Response of Single DNA Molecules Exhibits a Reentrant Collapsing Transition. Physical Review Letters, 2003, 90, 018102.	7.8	98
21	Model of elastic responses of single DNA molecules in collapsing transition. Physical Review E, 2002, 66, 061912.	2.1	9
22	Force Measurements of a Single DNA Molecule in the Collapsing Phase Transition. Journal of the Physical Society of Japan, 2001, 70, 345-348.	1.6	15
23	Transition from Gaussian to Non-Gaussian Velocity Distribution Functions in a Vibrated Granular Bed. Journal of the Physical Society of Japan, 1998, 67, 1826-1829.	1.6	18