

# Yoshihiro Murayama

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7190599/publications.pdf>

Version: 2024-02-01

23  
papers

482  
citations

933447

10  
h-index

713466

21  
g-index

23  
all docs

23  
docs citations

23  
times ranked

593  
citing authors

| #  | 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         |

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