

Tomohiko G Sano

List of Publications by Year in descending order

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papers

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39
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citing authors

#	ARTICLE	IF	CITATIONS
1	Minimal Model of Stochastic Athermal Systems: Origin of Non-Gaussian Noise. <i>Physical Review Letters</i> , 2015, 114, 090601.	2.9	59
2	Loopy L�vy flights enhance tracer diffusion in active suspensions. <i>Nature</i> , 2020, 579, 364-367.	13.7	56
3	Slip Morphology of Elastic Strips on Frictional Rigid Substrates. <i>Physical Review Letters</i> , 2017, 118, 178001.	2.9	45
4	A Kirchhoff-like theory for hard magnetic rods under geometrically nonlinear deformation in three dimensions. <i>Journal of the Mechanics and Physics of Solids</i> , 2022, 160, 104739.	2.3	34
5	Asymptotic Derivation of Langevin-like Equation with Non-Gaussian Noise and Its Analytical Solution. <i>Journal of Statistical Physics</i> , 2015, 160, 1294-1335.	0.5	32
6	Snap-buckling in asymmetrically constrained elastic strips. <i>Physical Review E</i> , 2018, 97, 013002.	0.8	30
7	Twist-Induced Snapping in a Bent Elastic Rod and Ribbon. <i>Physical Review Letters</i> , 2019, 122, 114301.	2.9	29
8	Simulation of granular jets: Is granular flow really a perfect fluid?. <i>Physical Review E</i> , 2012, 86, 041308.	0.8	21
9	Roles of dry friction in the fluctuating motion of an adiabatic piston. <i>Physical Review E</i> , 2014, 89, 032104.	0.8	17
10	The shapes of physical trefoil knots. <i>Extreme Mechanics Letters</i> , 2021, 43, 101172.	2.0	14
11	Granular rotor as a probe for a nonequilibrium bath. <i>Physical Review E</i> , 2016, 94, 032910.	0.8	12
12	Mechanics of two filaments in tight orthogonal contact. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	10
13	Finite Element Modeling of Tight Elastic Knots. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2021, 88, .	1.1	10
14	Jet-induced jammed states of granular jet impacts. <i>Progress of Theoretical and Experimental Physics</i> , 2013, 2013, .	1.8	9
15	An elastic rod in frictional contact with a rigid cylinder. <i>Journal of the Mechanics and Physics of Solids</i> , 2022, 164, 104885.	2.3	9
16	Pinching an open cylindrical shell: Extended deformation and its persistence. <i>Europhysics Letters</i> , 2018, 123, 14001.	0.7	5
17	Exploring the inner workings of the clove hitch knot. <i>Extreme Mechanics Letters</i> , 2022, 55, 101788.	2.0	5
18	A mathematical model explores the contributions of bending and stretching forces to shoot gravitropism in <i>Arabidopsis</i> . <i>Quantitative Plant Biology</i> , 2020, 1, .	0.8	4

#	ARTICLE	IF	CITATIONS
19	Reduced theory for hard magnetic rods with dipole–dipole interactions. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2022, 55, 104002.	0.7	4
20	Efficiency at maximum power output for an engine with a passive piston. <i>Progress of Theoretical and Experimental Physics</i> , 2016, 2016, 083A03.	1.8	3
21	Numerical analysis of impact processes of granular jets. , 2013, , .		0
22	Analysis of a mathematical model of shoot gravitropism in <i>Arabidopsis thaliana</i> . <i>Plant Morphology</i> , 2021, 33, 71-76.	0.1	0
23	Wetting dynamics of viscoelastic solid films. <i>Soft Matter</i> , 0, , .	1.2	0