

# Xiaoyu Zheng

## List of Publications by Year in descending order

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docs citations

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48  
citing authors

#	ARTICLE	IF	CITATIONS
1	Anticlinic order of long-range repulsive rodlike magnetic particles in two dimensions. Physical Review E, 2022, 105, .	2.1	0
2	Measuring the five elastic constants of a nematic liquid crystal elastomer. Liquid Crystals, 2021, 48, 511-520.	2.2	9
3	Impedance matching in an elastic actuator. Soft Matter, 2021, 17, 4191-4194.	2.7	2
4	Leaky cell model of hard spheres. Journal of Chemical Physics, 2021, 154, 104505.	3.0	1
5	The Fredericksz Transition in a Spatially Varying Magnetic Field. Crystals, 2021, 11, 541.	2.2	1
6	Light-induced stress and work in photomechanical materials. Physical Review E, 2021, 103, L051002.	2.1	2
7	Not the garden hose instability: Wavelength selection in a buckling garden hose. American Journal of Physics, 2021, 89, 575-582.	0.7	1
8	Cavity Volume and Free Energy in Many-Body Systems. Journal of Nonlinear Science, 2021, 31, 1.	2.1	1
9	Surface anchoring energy of cholesteric liquid crystals. Liquid Crystals, 2020, 47, 477-480.	2.2	4
10	Onsager's missing steps retraced. Journal of Physics Condensed Matter, 2017, 29, 475102.	1.8	5
11	Density functional theory for dense nematic liquid crystals with steric interactions. Physical Review E, 2017, 96, 022704.	2.1	15