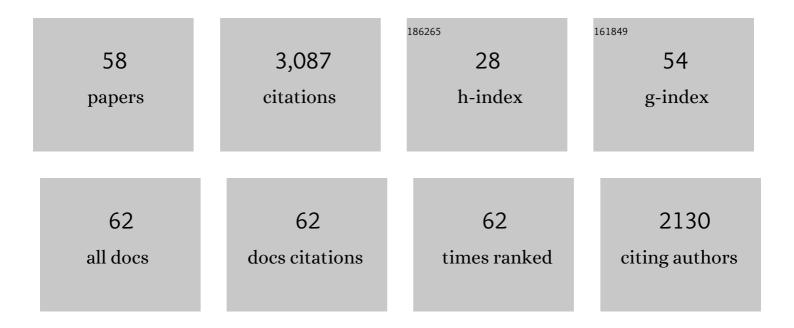
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Theory of defect-mediated morphogenesis. Science Advances, 2022, 8, eabk2712.	10.3	41
2	Self-regulation of phenotypic noise synchronizes emergent organization and active transport in confluent microbial environments. Nature Physics, 2022, 18, 945-951.	16.7	9
3	Faceting and Flattening of Emulsion Droplets: A Mechanical Model. Physical Review Letters, 2021, 126, 038001.	7.8	22
4	GarcÃa-Aguilar <i>etÂal.</i> Reply:. Physical Review Letters, 2021, 126, 259802.	7.8	3
5	Topology-Driven Ordering of Flocking Matter. Physical Review X, 2021, 11, .	8.9	8
6	Confinement-induced self-organization in growing bacterial colonies. Science Advances, 2021, 7, .	10.3	26
7	Orientational Correlations in Active and Passive Nematic Defects. Physical Review Letters, 2021, 127, 197801.	7.8	14
8	Chiral stresses in nematic cell monolayers. Soft Matter, 2020, 16, 764-774.	2.7	15
9	Dislocation screening in crystals with spherical topology. Physical Review E, 2020, 101, 063005.	2.1	8
10	Mechanical interplay between cell shape and actin cytoskeleton organization. Soft Matter, 2020, 16, 6328-6343.	2.7	30
11	Measuring Gaussian Rigidity Using Curved Substrates. Physical Review Letters, 2020, 125, 188002.	7.8	3
12	Geometric pinning and antimixing in scaffolded lipid vesicles. Nature Communications, 2020, 11, 4314.	12.8	17
13	Topotaxis of active Brownian particles. Physical Review E, 2020, 101, 032602.	2.1	23
14	Lipid exchange enhances geometric pinning in multicomponent membranes on patterned substrates. Soft Matter, 2020, 16, 4932-4940.	2.7	0
15	Mono- to Multilayer Transition in Growing Bacterial Colonies. Physical Review Letters, 2019, 123, 178001.	7.8	28
16	Thermodynamic equilibrium of binary mixtures on curved surfaces. Physical Review E, 2019, 100, 032604.	2.1	7
17	Geometrical Control of Active Turbulence in Curved Topographies. Physical Review Letters, 2019, 122, 168002.	7.8	34
18	Statistical properties of autonomous flows in 2D active nematics. Soft Matter, 2019, 15, 3264-3272.	2.7	53

#	Article	IF	CITATIONS
19	Contour Models of Cellular Adhesion. Advances in Experimental Medicine and Biology, 2019, 1146, 13-29.	1.6	3
20	Curvature-induced defect unbinding and dynamics in active nematic toroids. Nature Physics, 2018, 14, 85-90.	16.7	93
21	Cellular geometry controls the efficiency of motile sperm aggregates. Journal of the Royal Society Interface, 2018, 15, 20180702.	3.4	16
22	Geometry and Mechanics of Microdomains in Growing Bacterial Colonies. Physical Review X, 2018, 8, .	8.9	37
23	Cytoskeletal Anisotropy Controls Geometry and Forces of Adherent Cells. Physical Review Letters, 2018, 121, 178101.	7.8	17
24	Interface geometry of binary mixtures on curved substrates. Physical Review E, 2018, 98, .	2.1	14
25	Turbulent Dynamics of Epithelial Cell Cultures. Physical Review Letters, 2018, 120, 208101.	7.8	107
26	Cross-talk between topological defects in different fields revealed by nematic microfluidics. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E5771-E5777.	7.1	52
27	Linear response to leadership, effective temperature, and decision making in flocks. Physical Review E, 2016, 94, 022612.	2.1	12
28	Orientational properties of nematic disclinations. Soft Matter, 2016, 12, 6490-6495.	2.7	67
29	One ring to rule them all: tuning bacteria collective motion via geometric confinement. New Journal of Physics, 2016, 18, 081001.	2.9	3
30	Geometry and Topology of Turbulence in Active Nematics. Physical Review X, 2015, 5, .	8.9	108
31	On shape dependence of holographic mutual information in AdS4. Journal of High Energy Physics, 2015, 2015, 1.	4.7	38
32	Defect dynamics in active nematics. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2014, 372, 20130365.	3.4	170
33	The dynamics of sperm cooperation in a competitive environment. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20140296.	2.6	60
34	Spontaneous Division and Motility in Active Nematic Droplets. Physical Review Letters, 2014, 112, 147802.	7.8	101
35	Topology and dynamics of active nematic vesicles. Science, 2014, 345, 1135-1139.	12.6	450
36	Softly constrained films. Soft Matter, 2013, 9, 8121.	2.7	16

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37	Polymorphism and bistability in adherent cells. Soft Matter, 2013, 9, 5251.	2.7	13
38	Defect Annihilation and Proliferation in Active Nematics. Physical Review Letters, 2013, 110, 228101.	7.8	250
39	Swarming, swirling and stasis in sequestered bristle-bots. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2013, 469, 20120637.	2.1	92
40	Multi-stability of free spontaneously curved anisotropic strips. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2012, 468, 511-530.	2.1	30
41	Minimal surfaces bounded by elastic lines. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2012, 468, 1851-1864.	2.1	49
42	Molecular tilt on monolayer-protected nanoparticles. Europhysics Letters, 2012, 97, 36005.	2.0	6
43	Polar patterns in active fluids. Soft Matter, 2012, 8, 129-139.	2.7	41
44	Hyperbolic Interfaces. Physical Review Letters, 2012, 109, 136101.	7.8	12
45	Banding, excitability and chaos in active nematic suspensions. Nonlinearity, 2012, 25, 2245-2269.	1.4	76
46	Excitable Patterns in Active Nematics. Physical Review Letters, 2011, 106, 218101.	7.8	100
47	Giomi and Mahadevan Reply:. Physical Review Letters, 2011, 107, .	7.8	2
48	Statistical Mechanics of Developable Ribbons. Physical Review Letters, 2010, 104, 238104.	7.8	39
49	Sheared active fluids: Thickening, thinning, and vanishing viscosity. Physical Review E, 2010, 81, 051908.	2.1	117
50	Pak3 inhibits local actin filament formation to regulate global cell polarity. HFSP Journal, 2009, 3, 194-203.	2.5	26
51	Two-dimensional matter: order, curvature and defects. Advances in Physics, 2009, 58, 449-563.	14.4	287
52	Elastic theory of defects in toroidal crystals. European Physical Journal E, 2008, 27, 275-296.	1.6	18
53	Defective ground states of toroidal crystals. Physical Review E, 2008, 78, 010601.	2.1	29
54	Bubble-raft model for a paraboloidal crystal. Physical Review E, 2008, 77, 021602.	2.1	29

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55	Complex Spontaneous Flows and Concentration Banding in Active Polar Films. Physical Review Letters, 2008, 101, 198101.	7.8	97
56	Paraboloidal crystals. Chaos, 2007, 17, 041104.	2.5	1
57	Crystalline order on Riemannian manifolds with variable Gaussian curvature and boundary. Physical Review B, 2007, 76, .	3.2	42
58	The mean-field infinite range p = 3 spin glass: Equilibrium landscape and correlation time scales. Europhysics Letters, 2005, 71, 824-830.	2.0	17