

# Yaouen Fily

## List of Publications by Year in descending order

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Version: 2024-02-01

16  
papers

2,311  
citations

623188

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996533

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g-index

19  
all docs

19  
docs citations

19  
times ranked

1455  
citing authors

#	ARTICLE	IF	CITATIONS
1	Kinematic analysis of social interactions deconstructs the evolved loss of schooling behavior in cavefish. PLoS ONE, 2022, 17, e0265894.	1.1	12
2	Cavefish brain atlases reveal functional and anatomical convergence across independently evolved populations. Science Advances, 2020, 6, .	4.7	41
3	Buckling instabilities and spatio-temporal dynamics of active elastic filaments. Journal of the Royal Society Interface, 2020, 17, 20190794.	1.5	22
4	Self-propelled particle in a nonconvex external potential: Persistent limit in one dimension. Journal of Chemical Physics, 2019, 150, 174906.	1.2	15
5	Equilibrium mappings in polar-isotropic confined active particles. European Physical Journal E, 2017, 40, 61.	0.7	18
6	Rigid Cluster Decomposition Reveals Criticality in Frictional Jamming. Physical Review Letters, 2016, 116, 028301.	2.9	42
7	Minimal model of active colloids highlights the role of mechanical interactions in controlling the emergent behavior of active matter. Current Opinion in Colloid and Interface Science, 2016, 21, 34-43.	3.4	151
8	Dynamics and density distribution of strongly confined noninteracting nonaligning self-propelled particles in a nonconvex boundary. Physical Review E, 2015, 91, 012125.	0.8	65
9	Pressure is not a state function for generic active fluids. Nature Physics, 2015, 11, 673-678.	6.5	356
10	Dynamics of self-propelled particles under strong confinement. Soft Matter, 2014, 10, 5609-5617.	1.2	193
11	Freezing and phase separation of self-propelled disks. Soft Matter, 2014, 10, 2132-2140.	1.2	203
12	The elastic depinning transition of vortex lattices in two dimensions. New Journal of Physics, 2012, 14, 123027.	1.2	20
13	Athermal Phase Separation of Self-Propelled Particles with No Alignment. Physical Review Letters, 2012, 108, 235702.	2.9	816
14	Cooperative self-propulsion of active and passive rotors. Soft Matter, 2012, 8, 3002.	1.2	55
15	Transition de d'opacgeage lastique de vortex supraconducteurs. ESAIM: Proceedings and Surveys, 2012, 35, 167-173.	0.4	0
16	Active jamming: Self-propelled soft particles at high density. Physical Review E, 2011, 84, 040301.	0.8	297