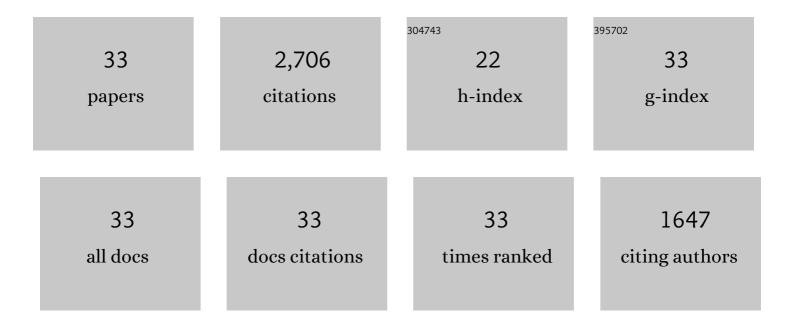
## Francesco Ginelli

List of Publications by Year in descending order

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EDANCESCO CINELLI

#	Article	IF	CITATIONS
1	Collective motion of self-propelled particles interacting without cohesion. Physical Review E, 2008, 77, 046113.	2.1	505
2	Large-Scale Collective Properties of Self-Propelled Rods. Physical Review Letters, 2010, 104, 184502.	7.8	323
3	Deciphering Interactions in Moving Animal Groups. PLoS Computational Biology, 2012, 8, e1002678.	3.2	240
4	Simple Model for Active Nematics: Quasi-Long-Range Order and Giant Fluctuations. Physical Review Letters, 2006, 96, 180602.	7.8	216
5	Relevance of Metric-Free Interactions in Flocking Phenomena. Physical Review Letters, 2010, 105, 168103.	7.8	174
6	Intermittent collective dynamics emerge from conflicting imperatives in sheep herds. Proceedings of the United States of America, 2015, 112, 12729-12734.	7.1	134
7	Nonlinear Field Equations for Aligning Self-Propelled Rods. Physical Review Letters, 2012, 109, 268701.	7.8	121
8	The Physics of the Vicsek model. European Physical Journal: Special Topics, 2016, 225, 2099-2117.	2.6	108
9	Mesoscopic theory for fluctuating active nematics. New Journal of Physics, 2013, 15, 085032.	2.9	101
10	Local equilibrium in bird flocks. Nature Physics, 2016, 12, 1153-1157.	16.7	80
11	Large-Scale Chaos and Fluctuations in Active Nematics. Physical Review Letters, 2014, 113, 038302.	7.8	74
12	Hyperbolicity and the Effective Dimension of Spatially Extended Dissipative Systems. Physical Review Letters, 2009, 102, 074102.	7.8	67
13	Continuous Theory of Active Matter Systems with Metric-Free Interactions. Physical Review Letters, 2012, 109, 098101.	7.8	65
14	Covariant Lyapunov vectors. Journal of Physics A: Mathematical and Theoretical, 2013, 46, 254005.	2.1	65
15	Dynamical maximum entropy approach to flocking. Physical Review E, 2014, 89, 042707.	2.1	55
16	Comment on "Phase Transitions in Systems of Self-Propelled Agents and Related Network Models― Physical Review Letters, 2007, 99, 229601.	7.8	47
17	Hyperbolic decoupling of tangent space and effective dimension of dissipative systems. Physical Review E, 2011, 84, 046214.	2.1	38
18	Lyapunov Analysis Captures the Collective Dynamics of Large Chaotic Systems. Physical Review Letters, 2009, 103, 154103.	7.8	37

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#	Article	IF	CITATIONS
19	Giant fluctuations and structural effects in a flocking epithelium. Journal Physics D: Applied Physics, 2017, 50, 384003.	2.8	37
20	Polar vs. apolar alignment in systems of polar self-propelled particles. Journal of Physics: Conference Series, 2011, 297, 012014.	0.4	34
21	Extensive and Subextensive Chaos in Globally Coupled Dynamical Systems. Physical Review Letters, 2011, 107, 124101.	7.8	33
22	Quantitative Assessment of the Toner and Tu Theory of Polar Flocks. Physical Review Letters, 2019, 123, 218001.	7.8	31
23	Boundary Information Inflow Enhances Correlation in Flocking. Physical Review Letters, 2013, 110, 168107.	7.8	20
24	Competing ferromagnetic and nematic alignment in self-propelled polar particles. Physical Review E, 2012, 86, 050101.	2.1	19
25	Evidence of a Critical Phase Transition in Purely Temporal Dynamics with Long-Delayed Feedback. Physical Review Letters, 2018, 120, 173901.	7.8	15
26	Leading birds by their beaks: the response of flocks to external perturbations. New Journal of Physics, 2016, 18, 073039.	2.9	14
27	Synchronization in time-varying random networks with vanishing connectivity. Scientific Reports, 2019, 9, 10207.	3.3	14
28	Noise-driven neuromorphic tuned amplifier. Physical Review E, 2017, 96, 062313.	2.1	10
29	Lyapunov analysis of multiscale dynamics: the slow bundle of the two-scale Lorenz 96 model. Nonlinear Processes in Geophysics, 2019, 26, 73-89.	1.3	10
30	Clustering and anisotropic correlated percolation in polar flocks. Physical Review E, 2019, 100, 022606.	2.1	7
31	Desynchronization and pattern formation in a noisy feed-forward oscillator network. Physical Review E, 2019, 99, 012303.	2.1	6
32	Intertangled stochastic motifs in networks of excitatory-inhibitory units. Physical Review E, 2017, 96, 022308.	2.1	4
33	Origin and scaling of chaos in weakly coupled phase oscillators. Physical Review E, 2018, 97, 012203.	2.1	2