

# Vikas Krishnamurthy

## List of Publications by Year in descending order

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15  
papers

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1307594

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1474206

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15  
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docs citations

15  
times ranked

36  
citing authors

#	ARTICLE	IF	CITATIONS
1	Liouville links and chains on the plane and associated stationary point vortex equilibria. Communications on Pure and Applied Analysis, 2022, .	0.8	0
2	Quantized point vortex equilibria in a one-way interaction model with a Liouville-type background vorticity on a curved torus. Journal of Mathematical Physics, 2022, 63, .	1.1	1
3	The corotating hollow vortex pair: steady merger and break-up via a topological singularity. Journal of Fluid Mechanics, 2021, 907, .	3.4	2
4	Stuart-type polar vortices on a rotating sphere. Discrete and Continuous Dynamical Systems, 2021, 41, 201-215.	0.9	9
5	â€H-statesâ€™: exact solutions for a rotating hollow vortex. Journal of Fluid Mechanics, 2021, 913, .	3.4	4
6	Liouville chains: new hybrid vortex equilibria of the two-dimensional Euler equation. Journal of Fluid Mechanics, 2021, 921, .	3.4	7
7	A transformation between stationary point vortex equilibria. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2020, 476, 20200310.	2.1	4
8	Steady point vortex pair in a field of Stuart-type vorticity. Journal of Fluid Mechanics, 2019, 874, .	3.4	8
9	Stuart-type vortices on a rotating sphere. Journal of Fluid Mechanics, 2019, 865, 1072-1084.	3.4	8
10	The vorticity equation on a rotating sphere and the shallow fluid approximation. Discrete and Continuous Dynamical Systems, 2019, 39, 6261-6276.	0.9	2
11	The effect of core size on the speed of compressible hollow vortex streets. Journal of Fluid Mechanics, 2018, 836, 797-827.	3.4	8
12	Finite-time Collapse of Three Point Vortices in the Plane. Regular and Chaotic Dynamics, 2018, 23, 530-550.	0.8	13
13	Evolving geometry of a vortex triangle. Physical Review Fluids, 2018, 3, .	2.5	2
14	Speed of a von K�rm�n point vortex street in a weakly compressible fluid. Physical Review Fluids, 2017, 2, .	2.5	10
15	Recent Progress in the Relative Equilibria of Point Vortices â€™ In Memoriam Hassan Aref. Procedia IUTAM, 2013, 7, 3-12.	1.2	2