

# Vikas Krishnamurthy

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3122237/publications.pdf>

Version: 2024-02-01

15  
papers

80  
citations

1307594

7  
h-index

1474206

9  
g-index

15  
all docs

15  
docs citations

15  
times ranked

36  
citing authors

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