

CITATION REPORT

List of articles citing

Global Stability of Vortex Solutions of the Two-Dimensional Navier-Stokes Equation

DOI: 10.1007/s00220-004-1254-9

Communications in Mathematical Physics, 2005, 255, 97-129.

Source: <https://exaly.com/paper-pdf/38421927/citation-report.pdf>

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.



#	Paper	IF	Citations
115	On the uniqueness of the solution of the two-dimensional Navier-Stokes equation with a Dirac mass as initial vorticity. 2005 , 278, 1665-1672		20
114	Long-time asymptotics of the Navier-Stokes equation in R^2 and R^3 . 2006 , 86, 256-267		6
113	Three-dimensional stability of Burgers vortices: The low Reynolds number case. 2006 , 213, 164-180		10
112	Two-dimensional incompressible viscous flow around a small obstacle. 2006 , 336, 449-489		16
111	New asymptotic profiles of nonstationary solutions of the Navier-Stokes system. 2007 , 88, 64-86		52
110	Existence and Stability of Asymmetric Burgers Vortices. 2007 , 9, 243-261		16
109	On Spatial Decay Estimates for Derivatives of Vorticities with Application to Large Time Behavior of the Two-Dimensional Navier-Stokes Flow. 2008 , 10, 89-105		1
108	A Lower Bound for Fundamental Solutions of the Heat Convection Equations. 2008 , 189, 45-58		3
107	The drift-diffusion system in two-dimensional critical Hardy space. 2008 , 255, 1107-1138		29
106	The 2D constrained Navier-Stokes equation and intermediate asymptotics. 2008 , 41, 344001		3
105	EXISTENCE OF ASYMMETRIC BURGERS VORTICES AND THEIR ASYMPTOTIC BEHAVIOR AT LARGE CIRCULATIONS. 2009 , 19, 669-705		12
104	Global existence and long-time asymptotics for rotating fluids in a 3D layer. 2009 , 360, 14-34		2
103	Fine Properties of Self-Similar Solutions of the Navier-Stokes Equations. 2009 , 192, 375-401		23
102	On a Constrained 2-D Navier-Stokes Equation. <i>Communications in Mathematical Physics</i> , 2009 , 290, 651-677		8
101	On the existence of Burgers vortices for high Reynolds numbers. 2009 , 349, 181-200		12
100	On the large time behavior of solutions of the alpha Navier-Stokes equations. 2009 , 238, 2261-2272		2
99	Asymptotic stability of Oseen vortices for a density-dependent incompressible viscous fluid. 2009 , 26, 625-648		

98	Spectral Asymptotics for Large Skew-Symmetric Perturbations of the Harmonic Oscillator. 2009 ,	6
97	Using Global Invariant Manifolds to Understand Metastability in the Burgers Equation With Small Viscosity. 2009 , 8, 1043-1065	16
96	Generalized Helmholtz-Kirchhoff Model for Two-Dimensional Distributed Vortex Motion. 2009 , 8, 160-179	13
95	End-point maximal regularity and its application to two-dimensional Keller-Segel system. 2010 , 264, 601-628	29
94	Viscous evolution of point vortex equilibria: The collinear state. 2010 , 22, 123102	8
93	Using Global Invariant Manifolds to Understand Metastability in the Burgers Equation with Small Viscosity. 2011 , 53, 129-153	13
92	Spectral Properties of the Linearization at the Burgers Vortex in the High Rotation Limit. 2011 , 13, 515-532	12
91	Interaction of Vortices in Weakly Viscous Planar Flows. 2011 , 200, 445-490	32
90	Three-Dimensional Stability of Burgers Vortices. <i>Communications in Mathematical Physics</i> , 2011 , 302, 477-511	2 11
89	Asymptotic behaviors of solutions to evolution equations in the presence of translation and scaling invariance. 2011 , 260, 3036-3096	3
88	On the decay of infinite energy solutions to the Navier-Stokes equations in the plane. 2011 , 240, 670-674	2
87	Oseen vortex as a maximum entropy state of a two dimensional fluid. 2011 , 23, 075104	4
86	Stabilizing a solution of the 2D Navier-Stokes system in the exterior of a bounded domain by means of a control on the boundary. 2012 , 203, 1244-1268	2
85	Insights into symmetric and asymmetric vortex mergers using the core growth model. 2012 , 24, 073101	6
84	Interacting vortex pairs in inviscid and viscous planar flows. 173-200	2
83	Resolvent estimates for a two-dimensional non-self-adjoint operator. 2012 , 12, 547-596	10
82	A review of relaxation and structure in some turbulent plasmas: magnetohydrodynamics and related models. 2012 , 13, N37	8
81	The 2-D constrained NS equation and stochastic vortex theory. 2012 , 1-27	

80	Stable and unstable manifolds for hyperbolic bi-semigroups. 2012 , 262, 2516-2560	6
79	Decay rates for a class of diffusive-dominated interaction equations. 2012 , 389, 541-557	4
78	Pseudospectrum for Oseen Vortices Operators. 2013 , 2013, 1935-1999	11
77	Metastability and rapid convergence to quasi-stationary bar states for the two-dimensional Navier-Stokes equations. 2013 , 143, 905-927	38
76	Numerical Approximations of the Dynamical System Generated by Burgers' Equation with Neumann-Dirichlet Boundary Conditions. 2013 , 47, 1465-1492	4
75	Blow-up problems in the strained vorticity dynamics and critical exponents. 2013 , 65,	4
74	Long-time asymptotics for two-dimensional exterior flows with small circulation at infinity. 2013 , 6, 973-991	9
73	. 2013 ,	1
72	Spectral analysis and long-time behaviour of a Fokker-Planck equation with a non-local perturbation. 2014 , 25, 53-89	
71	Accurate Estimates for the Exponential Decay of Semigroups with Non-Self-Adjoint Generators. 2014 , 331-350	
70	Asymptotics of solutions to the Navier-Stokes system in exterior domains. 2014 , 90, 785-806	6
69	Existence, Uniqueness and Lipschitz Dependence for Patlak-Keller-Segel and Navier-Stokes in (\mathbb{R}^2) with Measure-Valued Initial Data. 2014 , 214, 717-801	21
68	Propagation of chaos for the 2D viscous vortex model. 2014 , 16, 1423-1466	33
67	Depletion of nonlinearity in two-dimensional turbulence. 2014 , 26, 115102	5
66	Holographic Path to the Turbulent Side of Gravity. 2014 , 4,	27
65	Asymptotic profiles for the third grade fluids' equations. 2014 , 65, 69-87	
64	Long-Time Behavior for the Two-Dimensional Motion of a Disk in a Viscous Fluid. <i>Communications in Mathematical Physics</i> , 2014 , 329, 325-382	2 12
63	Emergence of order from turbulence in an isolated planar superfluid. 2014 , 113, 165302	84

62	Viscous profiles of vortex patches. 2015 , 14, 1-68		6
61	On the Cauchy Problem for Axi-Symmetric Vortex Rings. 2015 , 215, 89-123		19
60	Asymptotic profiles for the third grade fluids equations. 2015 , 71, 132-151		1
59	Are the incompressible 3d Navier-Stokes equations locally ill-posed in the natural energy space?. 2015 , 268, 3734-3766		34
58	Dynamics of Partial Differential Equations. 2015 ,		2
57	Global m -Equivariant Solutions of Nematic Liquid Crystal Flows in Dimension Two. 2017 , 226, 767-808		2
56	On the Asymptotic Stability of Steady Flows with Nonzero Flux in Two-Dimensional Exterior Domains. <i>Communications in Mathematical Physics</i> , 2017 , 352, 201-214	2	4
55	Uniqueness of Axisymmetric Viscous Flows Originating from Positive Linear Combinations of Circular Vortex Filaments. 2018 , 20, 1835-1856		0
54	Large Time Behavior of the Navier-Stokes Flow. 2018 , 579-645		1
53	Critical Function Spaces for the Well-Posedness of the Navier-Stokes Initial Value Problem. 2018 , 647-685		2
52	Existence and Stability of Viscous Vortices. 2018 , 687-727		
51	Models and Special Solutions of the Navier-Stokes Equations. 2018 , 729-780		2
50	The Inviscid Limit and Boundary Layers for Navier-Stokes Flows. 2018 , 781-828		3
49	Enhanced Dissipation and Axisymmetrization of Two-Dimensional Viscous Vortices. 2018 , 230, 939-975		19
48	Universal dynamics for the defocusing logarithmic Schrödinger equation. 2018 , 167,		21
47	On Pseudospectral Bound for Non-selfadjoint Operators and Its Application to Stability of Kolmogorov Flows. 2019 , 5, 1		9
46	On Stability of Blow-Up Solutions of the Burgers Vortex Type for the Navier-Stokes Equations with a Linear Strain. 2019 , 21, 1		
45	Vortices in stably-stratified rapidly rotating Boussinesq convection. 2019 , 32, R1-R52		1

44	Vortex Axisymmetrization, Inviscid Damping, and Vorticity Depletion in the Linearized 2D Euler Equations. 2019 , 5, 1	12
43	The Inviscid Limit of Navier--Stokes Equations for Vortex-Wave Data on \mathbb{R}^2 . 2019 , 51, 2575-2598	3
42	Vorticity topology of vortex pair interactions at low Reynolds numbers. 2019 , 74, 58-67	1
41	Rigorous Justification of Taylor Dispersion via Center Manifolds and Hypocoercivity. 2020 , 235, 1105-1149	4
40	Vorticity and Stream Function Formulations for the 2D Navier-Stokes Equations in a Bounded Domain. 2020 , 22, 1	5
39	Uniqueness criteria for the Oseen vortex in the 3d Navier-Stokes equations. <i>Communications in Partial Differential Equations</i> , 2021 , 46, 1092-1136	1.6 1
38	Axi-symmetrization near Point Vortex Solutions for the 2D Euler Equation.	4
37	Topological bifurcations of vortex pair interactions. 2021 , 917,	0
36	Explicit superposed and forced plane wave generalized Beltrami flows. 2021 , 86, 761-784	1
35	Optimal decay rates and the global attractors of the 2D fully dissipative magnetohydrodynamics system. 2021 , 72, 1	
34	The vorticity equations in a half plane with measures as initial data. 2021 , 38, 1055-1094	
33	Existence and Stability of Viscous Vortices. 2016 , 1-41	2
32	The Inviscid Limit and Boundary Layers for Navier-Stokes Flows. 2016 , 1-48	6
31	Upper bounds for the attractor dimension of damped Navier-Stokes equations in \mathbb{R}^2 . 2015 , 36, 2085-2102	9
30	Stability and interaction of vortices in two-dimensional viscous flows. 2012 , 5, 1091-1131	6
29	ASYMPTOTIC BEHAVIORS OF SOLUTIONS FOR AN AEROTAXIS MODEL COUPLED TO FLUID EQUATIONS. 2016 , 53, 127-146	9
28	Sur le temps de vie de la turbulence bidimensionnelle. 2008 , 17, 719-733	8
27	Infinite energy solutions of the two-dimensional Navier-Stokes equations. 2017 , 26, 979-1027	3

26	Remarks on the Cauchy problem for the axisymmetric Navier-Stokes equations. 2015 , 7, 67-95	16
25	Long-Time Asymptotics for the Navier-Stokes Equation in a Two-Dimensional Exterior Domain. 2012 , 1-17	2
24	Gevrey stability of Rayleigh boundary layer in the inviscid limit. 1	
23	  2012 , 203, 15-40	
22	Dynamical Systems and the Two-Dimensional Navier-Stokes Equations. 2015 , 1-40	
21	Large Time Behavior of the Navier-Stokes Flow. 2016 , 1-67	
20	Models and Special Solutions of the Navier-Stokes Equations. 2016 , 1-52	
19	Critical Function Spaces for the Wellposedness of the Navier-Stokes Initial Value Problem. 2016 , 1-39	0
18	Introduction. 2017 , 1-6	
17	Solvability of Vorticity Equation on a Sphere. 2017 , 43-77	
16	Spectral stability of inviscid columnar vortices. 2020 , 13, 1777-1832	2
15	Infinite dimensional dynamical systems and the Navier-Stokes equation. 2008 , 103-141	
14	Passive Particle Dynamics in Viscous Vortex Flow. <i>Lecture Notes in Electrical Engineering</i> , 2021 , 352-362	0.2
13	Late dynamics of large-scale vortices in periodic two-dimensional flows. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2022 , 426, 127889	2.3
12	Global mild solutions to three-dimensional magnetohydrodynamic equations in Morrey spaces. <i>Journal of Differential Equations</i> , 2022 , 314, 752-807	2.1
11	Self-similar source-type solutions to the three-dimensional Navier-Stokes equations. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2022 , 478,	2.4 2
10	Hexagonal structures in 2D Navier-Stokes flows. <i>Communications in Partial Differential Equations</i> , 1-28	1.6 1
9	Optimal Control of a Passive Particle Advected by a Lamb-Oseen (Viscous) Vortex. <i>Computation</i> , 2022 , 10, 87	2.2 1

- 8 Linear Vortex Symmetrization: The Spectral Density Function. **2022**, 246, 61-137
- 7 Traveling Waves Near Couette Flow for the 2D Euler Equation.
- 6 Viscous merging of three vortices. **2023**, 99, 17-22
- 5 On the Existence and Temporal Asymptotics of Solutions for the Two and Half Dimensional Hall MHD. **2023**, 25,
- 4 Unbounded-energy solutions to the fluid-disk system and long-time behavior for large initial data. **2023**, 361, 453-485
- 3 Long-time asymptotics of axisymmetric Navier-Stokes equations in critical spaces. **2023**, 62,
- 2 Global-in-time mean-field convergence for singular Riesz-type diffusive flows. **2023**, 33,
- 1 Vortex Filament Solutions of the Navier-Stokes Equations. **2023**, 76, 685-787