

Alexei A Ilyin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9066788/publications.pdf>

Version: 2024-02-01

17
papers

267
citations

1163065

8
h-index

1058452

14
g-index

17
all docs

17
docs citations

17
times ranked

155
citing authors

#	ARTICLE	IF	CITATIONS
1	A modified-Leray- $\hat{\pm}$ subgrid scale model of turbulence. <i>Nonlinearity</i> , 2006, 19, 879-897.	1.4	115
2	On the regularization mechanism for the periodic Kortewegâ€“de Vries equation. <i>Communications on Pure and Applied Mathematics</i> , 2011, 64, 591-648.	3.1	62
3	Lower bounds for the spectrum of the Laplace and Stokes operators. <i>Discrete and Continuous Dynamical Systems</i> , 2010, 28, 131-146.	0.9	16
4	Liebâ€“Thirring inequalities on some manifolds. <i>Journal of Spectral Theory</i> , 2012, 2, 57-78.	0.8	14
5	One-Dimensional Interpolation Inequalities, Carlsonâ€“Landau Inequalities, and Magnetic SchrÃ¶dinger Operators. <i>International Mathematics Research Notices</i> , 2016, 2016, 1190-1222.	1.0	10
6	Upper bounds for the attractor dimension of damped Navier-Stokes equations in \mathbb{R}^2 . <i>Discrete and Continuous Dynamical Systems</i> , 2015, 36, 2085-2102.	0.9	10
7	The Damped-Driven 2D Navierâ€“Stokes System on Large Elongated Domains. <i>Journal of Mathematical Fluid Mechanics</i> , 2008, 10, 159-175.	1.0	8
8	Sharp upper and lower bounds of the attractor dimension for 3D damped Eulerâ€“Bardina equations. <i>Physica D: Nonlinear Phenomena</i> , 2022, 432, 133156.	2.8	8
9	Liebâ€“Thirring constant on the sphere and on the torus. <i>Journal of Functional Analysis</i> , 2020, 279, 108784.	1.4	6
10	Hyperbolic relaxation of the 2D Navierâ€“Stokes equations in a bounded domain. <i>Physica D: Nonlinear Phenomena</i> , 2018, 376-377, 171-179.	2.8	4
11	Strong trajectory and global $W^{1,p}$ -attractors for the damped-driven Euler system in \mathbb{R}^2 . <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2017, 22, 1835-1855.	0.9	4
12	Vanishing viscosity limit for global attractors for the damped Navierâ€“Stokes system with stress free boundary conditions. <i>Physica D: Nonlinear Phenomena</i> , 2018, 376-377, 31-38.	2.8	3
13	On the domain of analyticity and small scales for the solutions of the damped-driven 2d Navierâ€“Stokes equations. <i>Dynamics of Partial Differential Equations</i> , 2007, 4, 111-127.	0.9	3
14	Berezinâ€“Liâ€“Yau inequalities on domains on the sphere. <i>Journal of Mathematical Analysis and Applications</i> , 2019, 473, 1253-1269.	1.0	2
15	Applications of the Liebâ€“Thirring and other bounds for orthonormal systems in mathematical hydrodynamics. , 2022, , 583-608.		2
16	Sharp interpolation inequalities for discrete operators and applications. <i>Bulletin of Mathematical Sciences</i> , 2015, 5, 19-57.	0.7	0
17	Trajectory attractors for 3D damped Euler equations and their approximation. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2022, .	1.1	0