

Hisashi Okamoto

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

255
citations

1307594

7
h-index

940533

16
g-index

20
all docs

20
docs citations

20
times ranked

109
citing authors

#	ARTICLE	IF	CITATIONS
1	On a generalization of the Constantin–Lax–Majda equation. <i>Nonlinearity</i> , 2008, 21, 2447-2461.	1.4	70
2	Unimodal patterns appearing in the Kolmogorov flows at large Reynolds numbers. <i>Nonlinearity</i> , 2015, 28, 3219-3242.	1.4	20
3	Vortices of large scale appearing in the 2D stationary Navier–Stokes equations at large Reynolds numbers. <i>Japan Journal of Industrial and Applied Mathematics</i> , 2010, 27, 47-71.	0.9	18
4	Nearly singular two-dimensional Kolmogorov flows for large Reynolds numbers. <i>Journal of Dynamics and Differential Equations</i> , 1996, 8, 203-220.	1.9	11
5	Global existence of solutions to the generalized Proudman–Johnson equation. <i>Proceedings of the Japan Academy Series A: Mathematical Sciences</i> , 2002, 78, 136.	0.4	9
6	Steady-states and traveling-wave solutions of the generalized Constantin–Lax–Majda equation. <i>Discrete and Continuous Dynamical Systems</i> , 2014, 34, 3155-3170.	0.9	9
7	Unimodal patterns appearing in the two-dimensional Navier–Stokes flows under general forcing at large Reynolds numbers. <i>European Journal of Mechanics, B/Fluids</i> , 2017, 65, 234-246.	2.5	7
8	The generalized Proudman–Johnson equation and its singular perturbation problems. <i>Japan Journal of Industrial and Applied Mathematics</i> , 2014, 31, 541-573.	0.9	6
9	On the well-posedness of various one-dimensional model equations for fluid motion. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2017, 160, 25-43.	1.1	5
10	Prandtl–Batchelor Theory for Kolmogorov Flows. <i>Journal of the Physical Society of Japan</i> , 2020, 89, 114401.	1.6	3
11	Models and Special Solutions of the Navier-Stokes Equations. , 2018, , 729-780.		2
12	Existence proof of unimodal solutions of the Proudman–Johnson equation via interval analysis. <i>Japan Journal of Industrial and Applied Mathematics</i> , 2019, 36, 287-298.	0.9	2
13	Unimodal solutions of the generalized Constantin–Lax–Majda equation with viscosity. <i>Japan Journal of Industrial and Applied Mathematics</i> , 2018, 35, 1065-1083.	0.9	1
14	A strengthening of the editorial board. <i>Japan Journal of Industrial and Applied Mathematics</i> , 2019, 36, 1-1.	0.9	1
15	Rigorous numerics for nonlinear heat equations in the complex plane of time. <i>Numerische Mathematik</i> , 2022, 151, 693-750.	1.9	1
16	Stationary water waves on rotational flows of two vortical layers. <i>Japan Journal of Industrial and Applied Mathematics</i> , 2021, 38, 79-103.	0.9	0