

Petr Kučera

List of Publications by Year in descending order

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14
papers

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citations

1163117

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g-index

14
all docs

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docs citations

14
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145
citing authors

#	ARTICLE	IF	CITATIONS
1	Local Solutions to the Navier–Stokes Equations with Mixed Boundary Conditions. Acta Applicandae Mathematicae, 1998, 54, 275-288.	1.0	39
2	Regularity criterion for solutions to the Navier–Stokes equations in the whole 3D space based on two vorticity components. Journal of Mathematical Analysis and Applications, 2018, 458, 755-766.	1.0	31
3	Solutions to the Navier–Stokes equations with mixed boundary conditions in two-dimensional bounded domains. Mathematische Nachrichten, 2016, 289, 194-212.	0.8	28
4	An existence theorem for the Boussinesq equations with non-Dirichlet boundary conditions. Applications of Mathematics, 2000, 45, 81-98.	0.9	20
5	Regularity of Pressure in the Neighbourhood of Regular Points of Weak Solutions of the Navier-Stokes Equations. Applications of Mathematics, 2003, 48, 573-586.	0.9	19
6	The application of anisotropic Troisi inequalities to the conditional regularity for the Navier–Stokes equations. Nonlinearity, 2018, 31, 3707-3725.	1.4	19
7	Basic properties of solution of the non-steady Navier–Stokes equations with mixed boundary conditions in a bounded domain. Annali Dell'Universita Di Ferrara, 2009, 55, 289-308.	1.3	18
8	Solutions of the Navier–Stokes equations with various types of boundary conditions. Archiv Der Mathematik, 2012, 98, 487-497.	0.5	14
9	On robustness of a strong solution to the Navier–Stokes equations with Navier–Stokes boundary conditions in the L^3 -norm. Nonlinearity, 2017, 30, 1564-1583.	1.4	6
10	On L^3 -robustness of strong solutions of the Navier–Stokes equations with the Navier-type boundary conditions. Journal of Mathematical Analysis and Applications, 2013, 405, 731-737.	1.0	4
11	A Note on the Generalized Energy Inequality in the Navier-Stokes Equations. Applications of Mathematics, 2003, 48, 537-545.	0.9	3
12	A Pressure Associated with a Weak Solution to the Navier–Stokes Equations with Navier–Stokes Boundary Conditions. Journal of Mathematical Fluid Mechanics, 2020, 22, 1.	1.0	3
13	Regularity criteria for the Navier–Stokes equations in terms of the velocity direction and the flow of energy. Mathematical Methods in the Applied Sciences, 0, , .	2.3	2
14	Local in time existence of solution of the Navier-Stokes equations with various types of boundary conditions. Journal of Elliptic and Parabolic Equations, 2021, 7, 297.	0.9	1