Petr KuÄera

List of Publications by Year
in descending order

14 papers	207 citations	1163117 8 h-index	1199594 12 g-index
14 all docs	14 docs citations	14 times ranked	145 citing authors

#	Article	IF	Citations
1	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
2	A Pressure Associated with a Weak Solution to the Navierâ€"Stokes Equations with Navierâ€™s Boundary Conditions. Journal of Mathematical Fluid Mechanics, 2020, 22, 1.	1.0	3
3	Regularity criterion for solutions to the Navierâ€"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
4	The application of anisotropic Troisi inequalities to the conditional regularity for the Navierâ€"Stokes equations. Nonlinearity, 2018, 31, 3707-3725.	1.4	19
5	On robustness of a strong solution to the Navierâ€"Stokes equations with Navierâ€™s boundary conditions in theL3-norm. Nonlinearity, 2017, 30, 1564-1583.	1.4	6
6	Solutions to the Navierâ€"Stokes equations with mixed boundary conditions in twoâ€dimensional bounded domains. Mathematische Nachrichten, 2016, 289, 194-212.	0.8	28
7	On‹mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" display="inline" overflow="scroll"›‹mml:msup›‹mml:mrow›‹mml:mi›L‹/mml:mi›‹/mml:mrow›‹mml:mrow›‹mml:mn›3‹/mml:mn›‹/mml:mrow›‹ of strong solutions of the Navierâ€"Stokes equations with the Navier-type boundary conditions. Journal of Mathematical Analysis and Applications, 2013, 405, 731-737.	1.0	4
8	Solutions of the Navierâ€"Stokes equations with various types of boundary conditions. Archiv Der Mathematik, 2012, 98, 487-497.	0.5	14
9	Basic properties of solution of the non-steady Navierâ€"Stokes equations with mixed boundary conditions in a bounded domain. Annali Dell'Universita Di Ferrara, 2009, 55, 289-308.	1.3	18
10	A Note on the Generalized Energy Inequality in the Navier-Stokes Equations. Applications of Mathematics, 2003, 48, 537-545.	0.9	3
11	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
12	An existence theorem for the Boussinesq equations with non-Dirichlet boundary conditions. Applications of Mathematics, 2000, 45, 81-98.	0.9	20
13	Local Solutions to the Navierâ€"Stokes Equations with Mixed Boundary Conditions. Acta Applicandae Mathematicae, 1998, 54, 275-288.	1.0	39
14	Regularity criteria for the Navierâ€"Stokes equations in terms of the velocity direction and the flow of energy. Mathematical Methods in the Applied Sciences, 0, , .	2.3	2