Chunjing Xie

List of Publications by Year
in descending order

21 papers	**618** citations	687363 **13** h-index	713466 **21** g-index
21 all docs	**21** docs citations	**21** times ranked	**66** citing authors

#	Article	IF	Citations
1	Global subsonic and subsonic-sonic flows through infinitely long nozzles. Indiana University Mathematics Journal, 2007, 56, 2991-3024.	0.9	104
2	Existence of Global Steady Subsonic Euler Flows Through Infinitely Long Nozzles. SIAM Journal on Mathematical Analysis, 2010, 42, 751-784.	1.9	85
3	Global subsonic and subsonic-sonic flows through infinitely long axially symmetric nozzles. Journal of Differential Equations, 2010, 248, 2657-2683.	2.2	73
4	Steady Subsonic Ideal Flows Through an Infinitely Long Nozzle with Large Vorticity. Communications in Mathematical Physics, 2014, 328, 327-354.	2.2	64
5	Stability of Transonic Shock Solutions for One-Dimensional Euler–Poisson Equations. Archive for Rational Mechanics and Analysis, 2011, 202, 787-827.	2.4	42
6	On subsonic Euler flows with stagnation points in two-dimensional nozzles. Indiana University Mathematics Journal, 2014, 63, 1499-1523.	0.9	30
7	Subsonic Flow for the Multidimensional Euler–Poisson System. Archive for Rational Mechanics and Analysis, 2016, 220, 155-191.	2.4	30
8	Two Dimensional Subsonic Euler Flows Past a Wall or a Symmetric Body. Archive for Rational Mechanics and Analysis, 2016, 221, 559-602.	2.4	30
9	Subsonic Solutions for Steady Euler--Poisson System in Two-Dimensional Nozzles. SIAM Journal on Mathematical Analysis, 2014, 46, 3455-3480.	1.9	27
10	Existence of steady subsonic Euler flows through infinitely long periodic nozzles. Journal of Differential Equations, 2012, 252, 4315-4331.	2.2	25
11	Non-uniqueness of admissible weak solutions to compressible Euler systems with source terms. Advances in Mathematics, 2016, 291, 542-583.	1.1	19
12	Three dimensional steady subsonic Euler flows in bounded nozzles. Journal of Differential Equations, 2014, 256, 3684-3708.	2.2	17
13	Structural Stability of Supersonic Solutions to the Euler–Poisson System. Archive for Rational Mechanics and Analysis, 2021, 239, 679-731.	2.4	16
14	On the classical solutions of two dimensional inviscid rotating shallow water system. Journal of Differential Equations, 2011, 250, 690-709.	2.2	10
15	Structural Stability of the Transonic Shock Problem in a Divergent Three-Dimensional Axisymmetric Perturbed Nozzle. SIAM Journal on Mathematical Analysis, 2021, 53, 279-308.	1.9	10
16	Uniform Structural Stability of Hagen–Poiseuille Flows in a Pipe. Communications in Mathematical Physics, 2022, 393, 1347-1410.	2.2	10
17	Two-dimensional subsonic flows with self-gravitation in bounded domain. Mathematical Models and Methods in Applied Sciences, 2015, 25, 2721-2747.	3.3	8
18	Existence and Asymptotic Behavior of Large Axisymmetric Solutions for Steady Navier–Stokes System in a Pipe. Archive for Rational Mechanics and Analysis, 2022, 243, 1325-1360.	2.4	8

#	Article	IF	Citations
19	Asymptotic Behavior of Massless Dirac Waves in Schwarzschild Geometry. Annales Henri Poincare, 2012, 13, 943-989.	1.7	5
20	Existence and optimal convergence rates of multi-dimensional subsonic potential flows through an infinitely long nozzle with an obstacle inside. Journal of Mathematical Physics, 2020, 61, 071514.	1.1	3
21	Global Strong Solutions to the Inhomogeneous Incompressible Navier--Stokes System in the Exterior of a Cylinder. SIAM Journal on Mathematical Analysis, 2021, 53, 6804-6821.	1.9	2