

# Yi Wang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5169064/publications.pdf>

Version: 2024-02-01

32  
papers

638  
citations

623734

14  
h-index

580821

25  
g-index

33  
all docs

33  
docs citations

33  
times ranked

163  
citing authors

#	ARTICLE	IF	CITATIONS
1	Wave Phenomena to the Three-Dimensional Fluid-Particle Model. Archive for Rational Mechanics and Analysis, 2022, 243, 1019-1089.	2.4	5
2	Vanishing dissipation limit to the planar rarefaction wave for the three-dimensional compressible Navier-Stokes-Fourier equations. Journal of Functional Analysis, 2022, 283, 109499.	1.4	2
3	Uniqueness of a Planar Contact Discontinuity for 3D Compressible Euler System in a Class of Zero Dissipation Limits from Navier-Stokes-Fourier System. Communications in Mathematical Physics, 2021, 384, 1751-1782.	2.2	6
4	Large-time behaviors of the solution to 3D compressible Navier-Stokes equations in half space with Navier boundary conditions. Communications on Pure and Applied Analysis, 2021, 20, 2811.	0.8	1
5	Vanishing Viscosity Limit to the Planar Rarefaction Wave for the Two-Dimensional Compressible Navier-Stokes Equations. Communications in Mathematical Physics, 2020, 376, 353-384.	2.2	12
6	Energy and cross-helicity conservation for the three-dimensional ideal MHD equations in a bounded domain. Journal of Differential Equations, 2020, 268, 4079-4101.	2.2	12
7	L2-contraction of large planar shock waves for multi-dimensional scalar viscous conservation laws. Journal of Differential Equations, 2019, 267, 2737-2791.	2.2	12
8	Nonlinear stability of planar rarefaction wave to the three-dimensional Boltzmann equation. Kinetic and Related Models, 2019, 12, 637-679.	0.9	11
9	Stability of the Superposition of a Viscous Contact Wave with Two Rarefaction Waves to the Bipolar Vlasov-Poisson-Boltzmann System. SIAM Journal on Mathematical Analysis, 2018, 50, 1829-1876.	1.9	6
10	Global classical solution to two-dimensional compressible Navier-Stokes equations with large data in $\mathbb{R}^2$ . Physica D: Nonlinear Phenomena, 2018, 376-377, 180-194.	2.8	24
11	Global solution to 3D spherically symmetric compressible Navier-Stokes equations with large data. Nonlinear Analysis: Real World Applications, 2018, 40, 260-289.	1.7	4
12	Stability of Nonlinear Wave Patterns to the Bipolar Vlasov-Poisson-Boltzmann System. Archive for Rational Mechanics and Analysis, 2018, 228, 39-127.	2.4	15
13	Stability of Planar Rarefaction Wave to Two-Dimensional Compressible Navier-Stokes Equations. SIAM Journal on Mathematical Analysis, 2018, 50, 4937-4963.	1.9	22
14	Stability of Planar Rarefaction Wave to 3D Full Compressible Navier-Stokes Equations. Archive for Rational Mechanics and Analysis, 2018, 230, 911-937.	2.4	22
15	The Inviscid Limit to a Contact Discontinuity for the Compressible Navier-Stokes-Fourier System Using the Relative Entropy Method. SIAM Journal on Mathematical Analysis, 2015, 47, 4350-4359.	1.9	15
16	Stability of Superposition of Two Viscous Shock Waves for the Boltzmann Equation. SIAM Journal on Mathematical Analysis, 2015, 47, 1070-1120.	1.9	3
17	The limit to rarefaction wave with vacuum for 1D compressible fluids with temperature-dependent transport coefficients. Analysis and Applications, 2015, 13, 555-589.	2.2	14
18	Vanishing viscosity of isentropic Navier-Stokes equations for interacting shocks. Science China Mathematics, 2015, 58, 653-672.	1.7	9

#	ARTICLE	IF	CITATIONS
19	Global Well-Posedness of 2D Compressible Navier–Stokes Equations with Large Data and Vacuum. <i>Journal of Mathematical Fluid Mechanics</i> , 2014, 16, 483-521.	1.0	50
20	A global unique solvability of entropic weak solution to the one-dimensional pressureless Euler system with a flocking dissipation. <i>Journal of Differential Equations</i> , 2014, 257, 1333-1371.	2.2	31
21	Vacuum Behaviors around Rarefaction Waves to 1D Compressible Navier–Stokes Equations with Density-Dependent Viscosity. <i>SIAM Journal on Mathematical Analysis</i> , 2013, 45, 3194-3228.	1.9	25
22	Global well-posedness of the Cauchy problem of two-dimensional compressible Navier–Stokes equations in weighted spaces. <i>Journal of Differential Equations</i> , 2013, 255, 351-404.	2.2	46
23	The Limit of the Boltzmann Equation to the Euler Equations for Riemann Problems. <i>SIAM Journal on Mathematical Analysis</i> , 2013, 45, 1741-1811.	1.9	39
24	Zero dissipation limit with two interacting shocks of the 1D non-isentropic Navier-Stokes equation. <i>Indiana University Mathematics Journal</i> , 2013, 62, 249-309.	0.9	12
25	Zero Dissipation Limit to Rarefaction Wave with Vacuum for One-Dimensional Compressible Navier–Stokes Equations. <i>SIAM Journal on Mathematical Analysis</i> , 2012, 44, 1742-1759.	1.9	32
26	Vanishing Viscosity Limit of the Compressible Navier–Stokes Equations for Solutions to a Riemann Problem. <i>Archive for Rational Mechanics and Analysis</i> , 2012, 203, 379-413.	2.4	40
27	Stability of Rarefaction Waves to the 1D Compressible Navier–Stokes Equations with Density-Dependent Viscosity. <i>Communications in Partial Differential Equations</i> , 2011, 36, 602-634.	2.2	45
28	Hydrodynamic Limit of the Boltzmann Equation with Contact Discontinuities. <i>Communications in Mathematical Physics</i> , 2010, 295, 293-326.	2.2	36
29	Fluid dynamic limit to the Riemann Solutions of Euler equations: I. Superposition of rarefaction waves and contact discontinuity. <i>Kinetic and Related Models</i> , 2010, 3, 685-728.	0.9	59
30	Stability of contact discontinuity for Jin–Xin relaxation system. <i>Journal of Differential Equations</i> , 2008, 244, 1114-1140.	2.2	10
31	Large time behavior of the solutions to the Boltzmann equation with specular reflective boundary condition. <i>Journal of Differential Equations</i> , 2007, 240, 399-429.	2.2	5
32	The Global Existence of Solutions for a Cross-diffusion System. <i>Acta Mathematicae Applicatae Sinica</i> , 2005, 21, 519-528.	0.7	12