

Ronghua Pan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6743694/publications.pdf>

Version: 2024-02-01

35
papers

1,198
citations

331670

21
h-index

377865

34
g-index

36
all docs

36
docs citations

36
times ranked

304
citing authors

#	ARTICLE	IF	CITATIONS
1	Initial Boundary Value Problem for Two-Dimensional Viscous Boussinesq Equations. Archive for Rational Mechanics and Analysis, 2011, 199, 739-760.	2.4	115
2	Convergence to the Barenblatt Solution for the Compressible Euler Equations with Damping and Vacuum. Archive for Rational Mechanics and Analysis, 2005, 176, 1-24.	2.4	113
3	Convergence Rate for Compressible Euler Equations with Damping and Vacuum. Archive for Rational Mechanics and Analysis, 2003, 166, 359-376.	2.4	106
4	Global Dynamics of a Hyperbolic-Parabolic Model Arising from Chemotaxis. SIAM Journal on Applied Mathematics, 2012, 72, 417-443.	1.8	72
5	Global Classical Solutions of Three Dimensional Viscous MHD System Without Magnetic Diffusion on Periodic Boxes. Archive for Rational Mechanics and Analysis, 2018, 227, 637-662.	2.4	66
6	Initial Boundary Value Problem for the System of Compressible Adiabatic Flow Through Porous Media. Journal of Differential Equations, 1999, 159, 280-305.	2.2	60
7	Asymptotic behavior of the solutions to the damped compressible Euler equations with vacuum. Journal of Differential Equations, 2006, 220, 207-233.	2.2	60
8	L 1 Convergence to the Barenblatt Solution for Compressible Euler Equations with Damping. Archive for Rational Mechanics and Analysis, 2011, 200, 665-689.	2.4	59
9	The 3D compressible Euler equations with damping in a bounded domain. Journal of Differential Equations, 2009, 246, 581-596.	2.2	52
10	Compressible Navier-Stokes equations with temperature dependent heat conductivity. Communications in Mathematical Sciences, 2015, 13, 401-425.	1.0	51
11	Singularity Formation for the Compressible Euler Equations. SIAM Journal on Mathematical Analysis, 2017, 49, 2591-2614.	1.9	40
12	Global BV Solutions for the P -System with Frictional Damping. SIAM Journal on Mathematical Analysis, 2009, 41, 1190-1205.	1.9	39
13	Darcy's law as long-time limit of adiabatic porous media flow. Journal of Differential Equations, 2006, 220, 121-146.	2.2	38
14	On the Diffusive Profiles for the System of Compressible Adiabatic Flow through Porous Media. SIAM Journal on Mathematical Analysis, 2001, 33, 790-826.	1.9	36
15	Blowup of Smooth Solutions for Relativistic Euler Equations. Communications in Mathematical Physics, 2006, 262, 729-755.	2.2	33
16	On Classical Solutions to 2D Shallow Water Equations with Degenerate Viscosities. Journal of Mathematical Fluid Mechanics, 2017, 19, 151-190.	1.0	25
17	On Classical Solutions for Viscous Polytrropic Fluids with Degenerate Viscosities and Vacuum. Archive for Rational Mechanics and Analysis, 2019, 234, 1281-1334.	2.4	25
18	Initial boundary value problem for 2D Boussinesq equations with temperature-dependent diffusion. Journal of Hyperbolic Differential Equations, 2015, 12, 469-488.	0.5	24

#	ARTICLE	IF	CITATIONS
19	Large time behavior of Euler-Poisson system for semiconductor. Science in China Series A: Mathematics, 2008, 51, 965-972.	0.5	23
20	Initial boundary value problem for compressible Euler equations with damping. Indiana University Mathematics Journal, 2008, 57, 2257-2282.	0.9	22
21	Zero Relaxation Limit to Centered Rarefaction Waves for a Rate-Type Viscoelastic System. Journal of Differential Equations, 1999, 157, 20-40.	2.2	18
22	Boundary effects and large time behavior for the system of compressible adiabatic flow through porous media. Michigan Mathematical Journal, 2001, 49, 519.	0.4	18
23	NONLINEAR STABILITY OF RAREFACTION WAVES FOR A RATE-TYPE VISCOELASTIC SYSTEM. Chinese Annals of Mathematics Series B, 1999, 20, 223-232.	0.4	16
24	Recent progress on classical solutions for compressible isentropic Navier-Stokes equations with degenerate viscosities and vacuum. Bulletin of the Brazilian Mathematical Society, 2016, 47, 507-519.	0.8	15
25	Stability of contact discontinuity for Jin's relaxation system. Journal of Differential Equations, 2008, 244, 1114-1140.	2.2	10
26	THE NONLINEAR STABILITY OF TRAVELLING WAVE SOLUTIONS FOR A REACTING FLOW MODEL WITH SOURCE TERM. Acta Mathematica Scientia, 1999, 19, 26-36.	1.0	9
27	NONLINEAR STABILITY OF TWO-MODE SHOCK PROFILES FOR A RATE-TYPE VISCOELASTIC SYSTEM WITH RELAXATION. Chinese Annals of Mathematics Series B, 1999, 20, 479-488.	0.4	6
28	Global Smooth Solutions in \mathbb{R}^3 to Short Wave-Long Wave Interactions Systems for Viscous Compressible Fluids. SIAM Journal on Mathematical Analysis, 2014, 46, 1946-1968.	1.9	6
29	Zero dissipation limit to a Riemann solution consisting of two shock waves for the 1D compressible isentropic Navier-Stokes equations. Science China Mathematics, 2013, 56, 2205-2232.	1.7	5
30	Global smooth solutions in \mathbb{R}^3 to short wave-long wave interactions in magnetohydrodynamics. Journal of Differential Equations, 2017, 262, 4129-4173.	2.9	15
31	The linear stability of traveling wave solutions for a reacting flow model with source term. Quarterly of Applied Mathematics, 2000, 58, 219-238.	0.7	4
32	Modeling Aurora Type Phenomena by Short Wave-Long Wave Interactions in Multidimensional Large Magnetohydrodynamic Flows. SIAM Journal on Mathematical Analysis, 2018, 50, 6156-6195.	1.9	3
33	On Isentropic Approximations for Compressible Euler Equations. Journal of Scientific Computing, 2015, 64, 745-760.	2.3	2
34	Darcy's Law in One-dimensional Isentropic Porous Medium Flow. Series in Contemporary Applied Mathematics, 2012, , 238-250.	0.8	0
35	Stability and instability of the 3D incompressible viscous flow in a bounded domain. Calculus of Variations and Partial Differential Equations, 2022, 61, 1.	1.7	0