Yuxi Hu

List of Publications by Year
in descending order

19 papers	120 citations	1478458 6 h-index	1281846 11 g-index
19 all docs	19 docs citations	19 times ranked	34 citing authors

#	Article	IF	Citations
1	Global large solutions of magnetohydrodynamics with temperature-dependent heat conductivity. Zeitschrift Fur Angewandte Mathematik Und Physik, 2015, 66, 865-889.	1.4	23
2	Compressible Navierâ€“Stokes Equations with Revised Maxwellâ€™s Law. Journal of Mathematical Fluid Mechanics, 2017, 19, 77-90.	1.0	18
3	Global strong solutions to the 1-D compressible magnetohydrodynamic equations with zero resistivity. Journal of Mathematical Physics, 2015, 56, .	1.1	14
4	Compressible Navierâ€“Stokes Equations with hyperbolic heat conduction. Journal of Hyperbolic Differential Equations, 2016, 13, 233-247.	0.5	14
5	Formation of singularities in one-dimensional thermoelasticity with second sound. Quarterly of Applied Mathematics, 2014, 72, 311-321.	0.7	10
6	Global existence versus blowâ€up results for one dimensional compressible Navierâ€“Stokes equations with Maxwell's law. Mathematische Nachrichten, 2019, 292, 826-840.	0.8	10
7	Blowup of solutions for compressible Navierâ€“Stokes equations with revised Maxwellâ€™s law. Applied Mathematics Letters, 2020, 103, 106221.	2.7	6
8	Formation of singularities for one-dimensional relaxed compressible Navier-Stokes equations. Journal of Differential Equations, 2022, 327, 145-165.	2.2	6
9	On global solutions and asymptotic behavior of planar magnetohydrodynamics with large data. Quarterly of Applied Mathematics, 2015, 73, 759-772.	0.7	5
10	Hyperbolic compressible Navier-Stokes equations. Journal of Differential Equations, 2020, 269, 3196-3220.	2.2	4
11	Uniform existence of the 1-d complete equations for an electromagnetic fluid. Journal of Mathematical Analysis and Applications, 2014, 419, 1-9.	1.0	3
12	On global solutions in one-dimensional thermoelasticity with second sound in the half line. Communications on Pure and Applied Analysis, 2015, 14, 1671-1683.	0.8	2
13	Low Mach Number Limit of Full Compressible Navierâ€“Stokes Equations with Revised Maxwell Law. Journal of Mathematical Fluid Mechanics, 2022, 24, 1.	1.0	2
14	On initial boundary value problems for planar magnetohydrodynamics with large data. Mathematical Methods in the Applied Sciences, 2015, 38, 4111-4131.	2.3	1
15	Local well-posedness and blow-up criteria for a three-component Camassaâ€“Holm type equation. Journal of Mathematical Physics, 2020, 61, 021501.	1.1	1
16	Linear stability of viscous shock wave for 1-D compressible Navier-Stokes equations with Maxwellâ€™s law. Quarterly of Applied Mathematics, 2022, 80, 221-235.	0.7	1
17	Global existence and asymptotic behavior for one-dimensional thermoelasticity of integral type with hyperbolic heat conduction. Nonlinear Analysis: Theory, Methods & Applications, 2015, 113, 372-384.	1.1	0
18	On global solutions of gravity driven nonhomogeneous viscous flows in a bounded domain. Mathematical Methods in the Applied Sciences, 2019, 42, 3654-3661.	2.3	0

#	Article	IF	Citations
19	Local wellâ€posedness for an isentropic compressible Ginzburgâ€“Landauâ€“Navierâ€“Stokes with vacuum. Mathematische Nachrichten, 2021, 294, 862-876.	0.8	0