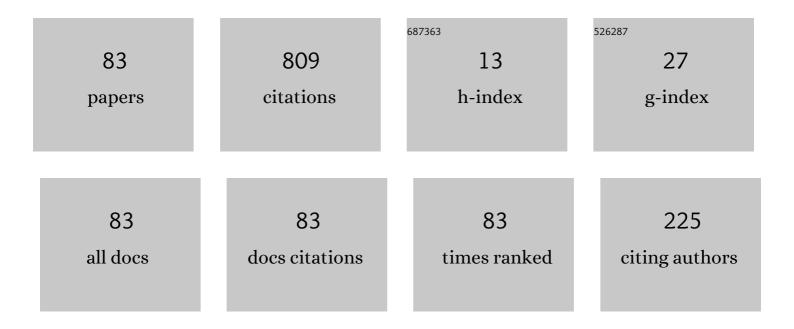
List of Publications by Year in descending order

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SHU WANG

| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | The Convergence of the Navier–Stokes–Poisson System to the Incompressible Euler Equations. Communications in Partial Differential Equations, 2006, 31, 571-591. | 2.2 | 123 |
| 2 | Quasineutral Limit of Euler–Poisson System with and without Viscosity. Communications in Partial Differential Equations, 2005, 29, 419-456. | 2.2 | 97 |
| 3 | The asymptotic behavior of globally smooth solutions of the multidimensional isentropic hydrodynamic model for semiconductors. Journal of Differential Equations, 2003, 192, 111-133. | 2.2 | 75 |
| 4 | Convergence of Compressible Euler–Maxwell Equations to Incompressible Euler Equations. Communications in Partial Differential Equations, 2008, 33, 349-376. | 2.2 | 65 |
| 5 | Convergence of Compressible Euler-Maxwell Equations to Compressible Euler-Poisson Equations*. Chinese Annals of Mathematics Series B, 2007, 28, 583-602. | 0.4 | 45 |
| 6 | Quasi-neutral Limit of the Drift Diffusion Models for Semiconductors: The Case of General Sign-Changing Doping Profile. SIAM Journal on Mathematical Analysis, 2006, 37, 1854-1889. | 1.9 | 31 |
| 7 | Convergence of the Navier–Stokes–Poisson system to the incompressible Navier–Stokes equations. Journal of Mathematical Physics, 2008, 49, . | 1.1 | 30 |
| 8 | Kleinâ€Gordonâ€Zakharov system in energy space: Blowâ€up profile and subsonic limit. Mathematical Methods in the Applied Sciences, 2019, 42, 3211-3221. | 2.3 | 27 |
| 9 | Global existence and asymptotic decay of solutions to the non-isentropic Euler–Maxwell system. Mathematical Models and Methods in Applied Sciences, 2014, 24, 2851-2884. | 3.3 | 24 |
| 10 | Asymptotic behavior of global smooth solutions for full compressible Navier–Stokes–Maxwell equations. Nonlinear Analysis: Real World Applications, 2014, 19, 105-116. | 1.7 | 22 |
| 11 | On Finite Time Singularity and Global Regularity of an Axisymmetric Model for the 3D Euler Equations. Archive for Rational Mechanics and Analysis, 2014, 212, 683-706. | 2.4 | 19 |
| 12 | Boundary layer problem and zero viscosity-diffusion limit of the incompressible magnetohydrodynamic system with no-slip boundary conditions. Journal of Differential Equations, 2017, 263, 4723-4749. | 2.2 | 16 |
| 13 | QUASINEUTRAL LIMIT OF THE MULTI-DIMENSIONAL DRIFT-DIFFUSION-POISSON MODELS FOR SEMICONDUCTORS WITH PN-JUNCTIONS. Mathematical Models and Methods in Applied Sciences, 2006, 16, 537-557. | 3.3 | 13 |
| 14 | Rate of convergence from the Navier–Stokes–Poisson system to the incompressible Euler equations. Journal of Mathematical Physics, 2009, 50, 013533. | 1.1 | 13 |
| 15 | The Mixed Layer Problem and Quasi-Neutral Limit of the Drift-Diffusion Model for Semiconductors. SIAM Journal on Mathematical Analysis, 2012, 44, 699-717. | 1.9 | 11 |
| 16 | Stability of nonâ€constant steadyâ€state solutions for nonâ€isentropic Euler–Maxwell system with a temperature damping term. Mathematical Methods in the Applied Sciences, 2016, 39, 2514-2528. | 2.3 | 11 |
| 17 | Convergence of the Vlasov-Poisson-Fokker-Planck system to the incompressible Euler equations. Science in China Series A: Mathematics, 2006, 49, 255-266. | 0.5 | 10 |
| 18 | On Singularity Formation of a Nonlinear Nonlocal System. Archive for Rational Mechanics and Analysis, 2011, 199, 117-144. | 2.4 | 10 |

| # | Article | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Positive Solution of a Nonlinear Fractional Differential Equation Involving Caputo Derivative. Discrete Dynamics in Nature and Society, 2012, 2012, 1-16. | 0.9 | 9 |
| 20 | Stability of non-constant equilibrium solutions for two-fluid Euler–Maxwell systems. Nonlinear Analysis: Real World Applications, 2015, 26, 372-390. | 1.7 | 9 |
| 21 | Oscillation of partial population model with diffusion and delay. Applied Mathematics Letters, 2009, 22, 1793-1797. | 2.7 | 8 |
| 22 | Quasi-neutral limit and the boundary layer problem of Planck-Nernst-Poisson-Navier-Stokes equations for electro-hydrodynamics. Journal of Differential Equations, 2019, 267, 3475-3523. | 2.2 | 8 |
| 23 | Initial-boundary value problem for 2D micropolar equations without angular viscosity. Communications in Mathematical Sciences, 2018, 16, 2147-2165. | 1.0 | 8 |
| 24 | Convergence of compressible Navier-Stokes-Maxwell equations to incompressible Navier-Stokes equations. Science China Mathematics, 2014, 57, 2153-2162. | 1.7 | 7 |
| 25 | Low Mach number limit of non-isentropic magnetohydrodynamic equations in a bounded domain. Nonlinear Analysis: Theory, Methods & Applications, 2014, 105, 102-119. | 1.1 | 7 |
| 26 | Global Asymptotic Stability of 3-Species Mutualism Models with Diffusion and Delay Effects. Discrete Dynamics in Nature and Society, 2009, 2009, 1-20. | 0.9 | 6 |
| 27 | SOME PERIODIC AND BLOW-UP SOLUTIONS FOR LANDAU–LIFSHITZ EQUATION. Modern Physics Letters A, 2011, 26, 2437-2452. | 1.2 | 6 |
| 28 | Zero viscosity and diffusion vanishing limit of the incompressible magnetohydrodynamic system with perfectly conducting wall. Nonlinear Analysis: Real World Applications, 2015, 24, 50-60. | 1.7 | 6 |
| 29 | Quasineutral limit for the compressible quantum Navier–Stokes–Maxwell equations. Communications in Mathematical Sciences, 2018, 16, 363-391. | 1.0 | 6 |
| 30 | Rigorous derivation of incompressible type Euler equations from non-isentropic Euler–Maxwell equations. Nonlinear Analysis: Theory, Methods & Applications, 2010, 73, 3613-3625. | 1.1 | 5 |
| 31 | Asymptotic Stability for a Class of Nonlinear Difference Equations. Discrete Dynamics in Nature and Society, 2010, 2010, 1-10. | 0.9 | 5 |
| 32 | Two blowup solutions for the inhomogeneous isotropic Landau–Lifshitz equation. Journal of Mathematical Analysis and Applications, 2014, 409, 74-83. | 1.0 | 5 |
| 33 | Existence of global weak solutions for the high frequency and small displacement oscillation fluid–structure interaction systems. Mathematical Methods in the Applied Sciences, 2021, 44, 3249-3259. | 2.3 | 5 |
| 34 | Asymptotic decay of bipolar isentropic/non-isentropic compressible Navier-Stokes-Maxwell systems. Journal of Differential Equations, 2021, 301, 471-542. | 2.2 | 5 |
| 35 | Convergence of compressible Euler–Poisson system to incompressible Euler equations. Applied Mathematics and Computation, 2010, 216, 3408-3418. | 2.2 | 4 |
| 36 | Stability of non-constant steady-state solutions for bipolar non-isentropic Euler–Maxwell equations with damping terms. Zeitschrift Fur Angewandte Mathematik Und Physik, 2016, 67, 1. | 1.4 | 4 |

| # | Article | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Vanishing cross-diffusion limit in a Keller–Segel system with additional cross-diffusion. Nonlinear Analysis: Theory, Methods & Applications, 2020, 192, 111698. | 1.1 | 4 |
| 38 | Stability of planar rarefaction wave to the 3D bipolar Vlasov–Poisson–Boltzmann system. Mathematical Models and Methods in Applied Sciences, 2020, 30, 23-104. | 3.3 | 4 |
| 39 | Quasi-neutral limit of the drift-diffusion model for semiconductors with general sign-changing doping profile. Science in China Series A: Mathematics, 2008, 51, 1619-1630. | 0.5 | 3 |
| 40 | Stability of Non-constant Equilibrium Solutions for Bipolar Full Compressible Navier–Stokes–Maxwell Systems. Journal of Nonlinear Science, 2018, 28, 2187-2215. | 2.1 | 3 |
| 41 | Initial layer and incompressible limit for Euler–Poisson equation in nonthermal plasma. Mathematical Models and Methods in Applied Sciences, 2019, 29, 1733-1751. | 3.3 | 3 |
| 42 | The Clobal Well-Posedness for Large Amplitude Smooth Solutions for 3D Incompressible Navier–Stokes and Euler Equations Based on a Class of Variant Spherical Coordinates. Mathematics, 2020, 8, 1195. | 2.2 | 3 |
| 43 | Stability of Non-constant Equilibrium Solutions for Compressible Viscous and Diffusive MHD Equations with the Coulomb Force. Journal of Dynamics and Differential Equations, 2021, 33, 985-1021. | 1.9 | 3 |
| 44 | Convergence of the Vlasov–Poisson–Boltzmann System to the Incompressible Euler Equations. Acta Mathematica Sinica, English Series, 2007, 23, 761-768. | 0.6 | 2 |
| 45 | Convergence of the Euler–Maxwell two-fluid system to compressible Euler equations. Journal of Mathematical Analysis and Applications, 2014, 417, 889-903. | 1.0 | 2 |
| 46 | Existence of BPS vortices in string theory. Mathematical Methods in the Applied Sciences, 2018, 41, 4244-4258. | 2.3 | 2 |
| 47 | Stability of non-constant equilibrium solutions for two-fluid non-isentropic Euler-Maxwell systems arising in plasmas. Journal of Mathematical Physics, 2018, 59, 073105. | 1.1 | 2 |
| 48 | Viscosity vanishing limit of the nonlinear pipe magnetohydrodynamic flow with diffusion. Mathematical Methods in the Applied Sciences, 2019, 42, 161-174. | 2.3 | 2 |
| 49 | Boundary layer problem of MHD system with non-characteristic perfect conducting wall. Applicable Analysis, 2019, 98, 516-535. | 1.3 | 2 |
| 50 | Stability of Non-constant Equilibrium Solutions for the Full Compressible Navier–Stokes–Maxwell System. Journal of Mathematical Fluid Mechanics, 2021, 23, 1. | 1.0 | 2 |
| 51 | Convergence to Steady-States of Compressible Navier–Stokes–Maxwell Equations. Journal of Nonlinear Science, 2022, 32, 1. | 2.1 | 2 |
| 52 | On the 3D Incompressible Boussinesq Equations in a Class of Variant Spherical Coordinates. Journal of Function Spaces, 2022, 2022, 1-12. | 0.9 | 2 |
| 53 | Asymptotic limits of compressible Euler-Maxwell system in plasma physics. Proceedings in Applied Mathematics and Mechanics, 2007, 7, 1041005-1041006. | 0.2 | 1 |
| 54 | Quasi-neutral limit to the drift–diffusion models for semiconductors with physical contact-insulating boundary conditions and the general sign-changing doping profile. Nonlinear Analysis: Theory, Methods & Applications, 2010, 72, 3612-3626. | 1.1 | 1 |

| # | Article | lF | CITATIONS |
|----|--|-----|-----------|
| 55 | The Numerical Convergence of the Landau-Lifshitz Equations and Its Simulation. Discrete Dynamics in Nature and Society, 2010, 2010, 1-13. | 0.9 | 1 |
| 56 | Some blowup solutions about two systems derived from Landau–Lifshitz–Gilbert equation. Applied Mathematical Modelling, 2013, 37, 4177-4188. | 4.2 | 1 |
| 57 | Blowup results for the KGS system with higher order Yukawa coupling. Journal of Mathematical Physics, 2015, 56, . | 1.1 | 1 |
| 58 | Stability of nonconstant steadyâ€state solutions for 2â€fluid nonisentropic Eulerâ€Poisson equations in semiconductor. Mathematical Methods in the Applied Sciences, 2018, 41, 3588-3604. | 2.3 | 1 |
| 59 | Diffusion vanishing limit of the nonlinear pipe Magnetohydrodynamic flow with fixed viscosity. Acta Mathematica Scientia, 2018, 38, 627-642. | 1.0 | 1 |
| 60 | Some limit analysis of a three dimensional viscous compressible capillary model for plasma. Mathematical Methods in the Applied Sciences, 2018, 41, 5535-5551. | 2.3 | 1 |
| 61 | Boundary layers associated with the 3-D Boussinesq system for Rayleigh–Bénard convection. Applicable Analysis, 2020, 99, 2026-2044. | 1.3 | 1 |
| 62 | On the vanishing viscosity limit for a 3â€D system arising from the Kellerâ€Segel model. Mathematical Methods in the Applied Sciences, 2020, 43, 920-938. | 2.3 | 1 |
| 63 | The Regularity Criteria and the A Priori Estimate on the 3D Incompressible Navier-Stokes Equations in Orthogonal Curvilinear Coordinate Systems. Journal of Function Spaces, 2020, 2020, 1-9. | 0.9 | 1 |
| 64 | Global zero-relaxation limit of the non-isentropic Euler–Poisson system for ion dynamics. Asymptotic Analysis, 2020, 120, 301-318. | 0.5 | 1 |
| 65 | Blowup of smooth solutions to the isentropic compressible quantum hydrodynamic model. Mathematical Methods in the Applied Sciences, 2022, 45, 10917-10924. | 2.3 | 1 |
| 66 | The Non-Relativistic Limit of Radiation Hydrodynamics Equations Arising from Astrophysics. , 2009, , . | | 0 |
| 67 | Quasi-neutral Limit of the Drift-Diffusion Models for Semiconductors with PN-Junctions. , 2009, , . | | 0 |
| 68 | On the Inviscid Limit for the 2D Non-dissipative Quasi-geostrophic Equations. , 2009, , . | | 0 |
| 69 | Global Regularity of Solutions of 2D Magnetohydrodynamic Equations with Fractional Power Diffusion. , 2010, , . | | 0 |
| 70 | Blowup rate of isotropic anti-ferromagnetic equation near the equivariant data. Communications in Nonlinear Science and Numerical Simulation, 2013, 18, 2222-2239. | 3.3 | 0 |
| 71 | The perturbed problem on the boussinesq system of Rayleigh-Bénard convection. Acta Mathematicae Applicatae Sinica, 2014, 30, 75-88. | 0.7 | 0 |
| 72 | Solutions to quasilinear hyperbolic conservation laws with initial discontinuities. Acta Mathematica Scientia, 2018, 38, 203-219. | 1.0 | 0 |

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| 73 | Initial layer problem of the Boussinesq system for Rayleigh-Bénard convection with infinite Prandtl number limit. Open Mathematics, 2018, 16, 1145-1160. | 1.0 | 0 |
| 74 | Vanishing vertical limit of the incompressible combined viscosity and magnetic diffusion magnetohydrodynamic system. Mathematical Methods in the Applied Sciences, 2018, 41, 5015-5049. | 2.3 | 0 |
| 75 | The Boundary Layer Problem of MHD System with the Non-characteristic Dirichlet Boundary Condition for Velocity. Acta Applicandae Mathematicae, 2020, 169, 183-192. | 1.0 | 0 |
| 76 | Quasi-neutral limit and the initial layer problem of the drift-diffusion model. Acta Mathematica Scientia, 2020, 40, 1152-1170. | 1.0 | 0 |
| 77 | Global Weak Solutions to the α-Model Regularization for 3D Compressible Euler-Poisson Equations. Acta Mathematica Scientia, 2021, 41, 679-702. | 1.0 | Ο |
| 78 | The global convergence of non-isentropic Euler–Maxwell equations via Infinity-Ion-Mass limit. Zeitschrift Fur Angewandte Mathematik Und Physik, 2021, 72, 1. | 1.4 | 0 |
| 79 | The Convergence of Euler-Poisson System to the Incompressible Euler Equations. Series in Contemporary Applied Mathematics, 2010, , 225-257. | 0.8 | Ο |
| 80 | A Result on Global Solutions to 3D Complex Ginzburg-Landau Equation. Series in Contemporary Applied Mathematics, 2012, , 739-747. | 0.8 | 0 |
| 81 | Exact Configuration for 3D Ginzburg-Landau Equation Based on Some ODEs. Series in Contemporary Applied Mathematics, 2012, , 748-756. | 0.8 | Ο |
| 82 | Boundary layer analysis for a 2-D Keller-Segel model. Open Mathematics, 2020, 18, 1895-1914. | 1.0 | 0 |
| 83 | Hsiao's PDE theory on semi-conductor and plasma and their applications. Methods and Applications of Analysis, 2021, 28, 249-264. | 0.5 | Ο |