# Ting Zhang

List of Publications by Year
in descending order

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Version: 2024-02-01

| 93 | 1,884 | 257450 | 289244 |
|---|---|---|---|
| papers | citations | 24 h-index | 40 g-index |

| 94 | 94 | 94 | 686 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | On weak (measure-valued)-strong uniqueness for compressible MHD system with non-monotone pressure law. Discrete and Continuous Dynamical Systems - Series B, 2022, 27, 6063. | 0.9 | 2 |
| 2 | Serrinâ€“type regularity criteria for the 3D MHD equations via one velocity component and one magnetic component. Calculus of Variations and Partial Differential Equations, 2022, 61, 1. | 1.7 | 2 |
| 3 | The Global Existence and Averaging Theorem for the Strong Solution of the Stochastic Boussinesq Equations with the Low Froude Number. Journal of Mathematical Fluid Mechanics, 2022, 24, 1. | 1.0 | 0 |
| 4 | Remarks on local regularity of axisymmetric solutions to the 3D Navierâ€“Stokes equations. Communications in Partial Differential Equations, 2022, 47, 1680-1699. | 2.2 | 5 |
| 5 | Local well-posedness for 2D incompressible magneto-micropolar boundary layer system. Applicable Analysis, 2021, 100, 206-227. | 1.3 | 6 |
| 6 | Local well-posedness of perturbed Navier-Stokes system around Landau solutions. Electronic Research Archive, 2021, 29, 2719-2739. | 0.9 | 3 |
| 7 | Sliding method for the semi-linear elliptic equations involving the uniformly elliptic nonlocal operators. Discrete and Continuous Dynamical Systems, 2021, 41, 2285-2300. | 0.9 | 4 |
| 8 | Local well-posedness and finite time blowup for fourth-order SchrÃ¶dinger equation with complex coefficient. Discrete and Continuous Dynamical Systems - Series B, 2021, . | 0.9 | 1 |
| 9 | Global Solutions of Modified One-Dimensional SchrÃ¶dinger Equation. Communications in Mathematical Research, 2021, 37, 350-386. | 0.5 | 2 |
| 10 | The Cauchy problem for the fourth-order SchrÃ¶dinger equation in Hs. Journal of Mathematical Physics, 2021, 62, 071501. | 1.1 | 3 |
| 11 | Global solutions for $$H^s$$-critical nonlinear biharmonic SchrÃ¶dinger equation. Zeitschrift Fur Angewandte Mathematik Und Physik, 2021, 72, 1. | 1.4 | 0 |
| 12 | Bilinear Strichartz's type estimates in Besov spaces with application to inhomogeneous nonlinear biharmonic SchrÃ¶dinger equation. Journal of Differential Equations, 2021, 296, 335-368. | 2.2 | 6 |
| 13 | Global weak solutions to a 2D compressible non-resistivity MHD system with non-monotone pressure law and nonconstant viscosity. Journal of Mathematical Analysis and Applications, 2021, 502, 125244. | 1.0 | 5 |
| 14 | Critical regularity criteria for Navierâ€“Stokes equations in terms of one directional derivative of the velocity. Mathematical Methods in the Applied Sciences, 2021, 44, 5123-5132. | 2.3 | 3 |
| 15 | The pointwise estimates of solutions for the 3D incompressible viscoelastic fluids. Scientia Sinica Mathematica, 2021, 51, 881. | 0.2 | 1 |
| 16 | Local and global existence of pathwise solution for the stochastic Boussinesq equations with multiplicative noises. Stochastic Processes and Their Applications, 2020, 130, 1545-1567. | 0.9 | 4 |
| 17 | Local and global strong solutions to the stochastic incompressible Navier-Stokes equations in critical Besov space. Journal of Mathematical Analysis and Applications, 2020, 481, 123472. | 1.0 | 3 |
| 18 | Entropy Generation and Consequences of Binary Chemical Reaction on MHD Darcyâ€“Forchheimer Williamson Nanofluid Flow Over Non-Linearly Stretching Surface. Entropy, 2020, 22, 18. | 2.2 | 173 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Almost Global Existence for the 3D Prandtl Boundary Layer Equations. Acta Applicandae Mathematicae, 2020, 169, 383-410. | 1.0 | 5 |
| 20 | $ H^2 $ blowup result for a SchrÃ¶dinger equation with nonlinear source term. Electronic Research Archive, 2020, 28, 777-794. | 0.9 | 4 |
| 21 | Second grade nanofluidic flow past a convectively heated vertical Riga plate. Physica Scripta, 2019, 94, 125212. | 2.5 | 69 |
| 22 | Darcy-Forchheimer nanofluidic flow manifested with Cattaneo-Christov theory of heat and mass flux over non-linearly stretching surface. PLoS ONE, 2019, 14, e0221302. | 2.5 | 67 |
| 23 | The global solutions of axisymmetric Navierâ€“Stokes equations with anisotropic initial data. Zeitschrift Fur Angewandte Mathematik Und Physik, 2019, 70, 1. | 1.4 | 4 |
| 24 | Global existence of discretely self-similar solutions to the generalized MHD system in Besov space. Journal of Mathematical Physics, 2019, 60, 081515. | 1.1 | 1 |
| 25 | Magnetohydrodynamic Darcyâ€“Forchheimer nanofluid flow over a nonlinear stretching sheet. Physica Scripta, 2019, 94, 105221. | 2.5 | 90 |
| 26 | Characteristics of chemical reaction and convective boundary conditions in Powell-Eyring nanofluid flow along a radiative Riga plate. Heliyon, 2019, 5, e01479. | 3.2 | 66 |
| 27 | The 2D regularized incompressible Boussinesq equations with general critical dissipations. Journal of Mathematical Analysis and Applications, 2018, 461, 868-915. | 1.0 | 2 |
| 28 | Global solutions of 3D axisymmetric Boussinesq equations with nonzero swirl. Nonlinear Analysis: Theory, Methods & Applications, 2018, 166, 48-86. | 1.1 | 10 |
| 29 | Global Solutions to the Isentropic Compressible Navier--Stokes Equations with a Class of Large Initial Data. SIAM Journal on Mathematical Analysis, 2018, 50, 4983-5026. | 1.9 | 22 |
| 30 | Almost global existence for 2D magnetohydrodynamics boundary layer system. Mathematical Methods in the Applied Sciences, 2018, 41, 7530-7553. | 2.3 | 12 |
| 31 | Influence of Chemical Reaction on Marangoni Convective Flow of Nanoliquid in the Presence of Lorentz Forces and Thermal Radiation: A Numerical Investigation. Journal of Advances in Nanotechnology, 2018, 1, 32-49. | 3.2 | 39 |
| 32 | Marangoni Effect in Second Grade Forced Convective Flow of Water Based Nanofluid. Journal of Advances in Nanotechnology, 2018, 1, 50-61. | 3.2 | 35 |
| 33 | Dispersive effects of the incompressible viscoelastic fluids. Discrete and Continuous Dynamical Systems, 2018, 38, 5261-5295. | 0.9 | 3 |
| 34 | Local and global strong solution to the stochastic 3-D incompressible anisotropic Navier-Stokes equations. Discrete and Continuous Dynamical Systems, 2018, 38, 4745-4765. | 0.9 | 1 |
| 35 | Convergence of Parareal Algorithms for PDEs with Fractional Laplacian and a Non-Constant Coefficient. East Asian Journal on Applied Mathematics, 2018, 8, 746-763. | 0.9 | 0 |
| 36 | Almost sure existence of global weak solutions for incompressible MHD equations in negative-order Sobolev space. Journal of Differential Equations, 2017, 263, 1611-1642. | 2.2 | 3 |

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|---|---|---|---|
| 37 | Global Axisymmetric Solutions of Three Dimensional Inhomogeneous Incompressible Navierâ€“Stokes System with Nonzero Swirl. Archive for Rational Mechanics and Analysis, 2017, 223, 817-843. | 2.4 | 12 |
| 38 | Regularity of 3D axisymmetric Navier-Stokes equations. Discrete and Continuous Dynamical Systems, 2017, 37, 1923-1939. | 0.9 | 52 |
| 39 | Global existence and uniqueness theorem to 2-D incompressible non-resistive MHD system with non-equilibrium background magnetic field. Journal of Differential Equations, 2016, 261, 3519-3550. | 2.2 | 9 |
| 40 | Global solutions to the 2D viscous, non-resistive MHD system with large background magnetic field. Journal of Differential Equations, 2016, 260, 5450-5480. | 2.2 | 61 |
| 41 | Global well-posedness for 2D Boussinesq system with general supercritical dissipation. Nonlinear Analysis: Real World Applications, 2016, 27, 326-349. | 1.7 | 8 |
| 42 | Global well-posedness to the 3-D incompressible inhomogeneous Navier-Stokes equations with a class of large velocity. Journal of Mathematical Physics, 2015, 56, . | 1.1 | 10 |
| 43 | Global solutions to the 3D incompressible nematic liquid crystal system. Journal of Differential Equations, 2015, 258, 1519-1547. | 2.2 | 13 |
| 44 | Global Small Solutions to a Complex Fluid Model in Three Dimensional. Archive for Rational Mechanics and Analysis, 2015, 216, 905-920. | 2.4 | 38 |
| 45 | Global well-posedness for the dissipative system modeling electro-hydrodynamics with large vertical velocity component in critical Besov space. Discrete and Continuous Dynamical Systems, 2015, 35, 555-582. | 0.9 | 11 |
| 46 | Well-posedness for the 3D incompressible nematic liquid crystal system in the critical $L^p$ framework. Discrete and Continuous Dynamical Systems, 2015, 36, 371-402. | 0.9 | 15 |
| 47 | Global Axisymmetric Solutions to Three-Dimensional Navierâ€“Stokes System. International Mathematics Research Notices, 2014, 2014, 610-642. | 1.0 | 40 |
| 48 | Global Existence in Critical Spaces for Density-Dependent Incompressible Viscoelastic Fluids. Acta Applicandae Mathematicae, 2014, 130, 51-80. | 1.0 | 4 |
| 49 | Global strong solutions for equations related to the incompressible viscoelastic fluids with a class of large initial data. Nonlinear Analysis: Theory, Methods & Applications, 2014, 100, 59-77. | 1.1 | 7 |
| 50 | Global Solution to the Incompressible Oldroyd-B Model in the Critical L p Framework: the Case of the Non-Small Coupling Parameter. Archive for Rational Mechanics and Analysis, 2014, 213, 651-687. | 2.4 | 54 |
| 51 | A random dispersion SchrÃ¶dinger equation with time-oscillating nonlinearity. Journal of Mathematical Analysis and Applications, 2014, 418, 403-414. | 1.0 | 1 |
| 52 | Global wellâ€posedness result for densityâ€dependent incompressible viscous fluid in with linearly growing initial velocity. Mathematical Methods in the Applied Sciences, 2013, 36, 921-935. | 2.3 | 2 |
| 53 | Bifurcations of solutions for the Boussinesq system in. Nonlinear Analysis: Real World Applications, 2013, 14, 314-328. | 1.7 | 1 |
| 54 | Zero-electron-mass limit of Euler-Poisson equations. Discrete and Continuous Dynamical Systems, 2013, 33, 4743-4768. | 0.9 | 10 |

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| 55 | Density-dependent incompressible viscous fluid flow subject to linearly growing initial data. Applicable Analysis, 2012, 91, 1477-1493. | 1.3 | 3 |
| 56 | Global classical large solutions to a 1D fluid-particle interaction model: The bubbling regime. Journal of Mathematical Physics, 2012, 53, . | 1.1 | 19 |
| 57 | Global Existence of Strong Solution for Equations Related to the Incompressible Viscoelastic Fluids in the Critical $L^p$ Framework. SIAM Journal on Mathematical Analysis, 2012, 44, 2266-2288. | 1.9 | 58 |
| 58 | Wellposedness for anisotropic rotating fluid equations. Applied Mathematics, 2012, 27, 9-33. | 1.0 | 3 |
| 59 | Random Data Cauchy Theory for the Generalized Incompressible Navierâ€“Stokes Equations. Journal of Mathematical Fluid Mechanics, 2012, 14, 311-324. | 1.0 | 38 |
| 60 | A blow-up criterion for two dimensional compressible viscous heat-conductive flows. Nonlinear Analysis: Theory, Methods & Applications, 2012, 75, 3130-3141. | 1.1 | 14 |
| 61 | Decay estimates for isentropic compressible Navierâ€“Stokes equations in bounded domain. Journal of Mathematical Analysis and Applications, 2012, 386, 939-947. | 1.0 | 18 |
| 62 | Large time behavior of solutions to 3D compressible Navier-Stokes-Poisson system. Science China Mathematics, 2012, 55, 159-177. | 1.7 | 23 |
| 63 | Regularity of the Koch-Tataru solutions to Navier-Stokes system. Science China Mathematics, 2012, 55, 453-464. | 1.7 | 9 |
| 64 | Random data Cauchy theory for the incompressible three dimensional Navierâ€“Stokes equations. Proceedings of the American Mathematical Society, 2011, 139, 2827-2837. | 0.8 | 13 |
| 65 | Relaxation-time limit of the multidimensional bipolar hydrodynamic model in Besov space. Journal of Differential Equations, 2011, 251, 3143-3162. | 2.2 | 16 |
| 66 | Boundary layers for compressible Navierâ€“Stokes equations with density-dependent viscosity and cylindrical symmetry. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2011, 28, 677-709. | 1.4 | 41 |
| 67 | On the well-posedness for stochastic SchrÃ¶dinger equations with quadratic potential. Chinese Annals of Mathematics Series B, 2011, 32, 711-728. | 0.4 | 5 |
| 68 | On the well-posedness for stochastic fourth-order SchrÃ¶dinger equations. Applied Mathematics, 2011, 26, 307-318. | 1.0 | 1 |
| 69 | Large time behavior of isentropic compressible Navier-Stokes system in â„ <sup>3</sup>. Mathematical Methods in the Applied Sciences, 2011, 34, 670-682. | 2.3 | 69 |
| 70 | A blow-up criterion for a 2D viscous liquid-gas two-phase flow model. Journal of Differential Equations, 2011, 250, 3362-3378. | 2.2 | 42 |
| 71 | Global solutions of compressible barotropic Navierâ€“Stokes equations with a density-dependent viscosity coefficient. Journal of Mathematical Physics, 2011, 52, . | 1.1 | 22 |
| 72 | Compressible Flows with a Density-Dependent Viscosity Coefficient. SIAM Journal on Mathematical Analysis, 2010, 41, 2453-2488. | 1.9 | 21 |

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|---|---|---|---|
| 73 | Existence and Asymptotic Behavior of Global Weak Solutions to a 2D Viscous Liquid-Gas Two-Phase Flow Model. SIAM Journal on Mathematical Analysis, 2010, 42, 1874-1897. | 1.9 | 70 |
| 74 | Global regularity for generalized anisotropic Navierâ€“Stokes equations. Journal of Mathematical Physics, 2010, 51, 123503. | 1.1 | 6 |
| 75 | Free boundary problem for compressible flows with density-dependent viscosity coefficients. Communications on Pure and Applied Analysis, 2010, 10, 459-478. | 0.8 | 2 |
| 76 | Analytical solutions to the Navier-Stokes equations for non-Newtonian fluid. Applied Mathematics, 2009, 24, 483-489. | 1.0 | 3 |
| 77 | Global Behavior of Spherically Symmetric Navierâ€“Stokesâ€“Poisson System with Degenerate Viscosity Coefficients. Archive for Rational Mechanics and Analysis, 2009, 191, 195-243. | 2.4 | 52 |
| 78 | Global Wellposed Problem for the 3-D Incompressible Anisotropic Navier-Stokes Equations in an Anisotropic Space. Communications in Mathematical Physics, 2009, 287, 211-224. | 2.2 | 36 |
| 79 | A note on spherically symmetric isentropic compressible flows with density-dependent viscosity coefficients. Nonlinear Analysis: Real World Applications, 2009, 10, 2272-2285. | 1.7 | 6 |
| 80 | Remark on compressible Navierâ€“Stokes equations with density-dependent viscosity and discontinuous initial data. Journal of Mathematical Analysis and Applications, 2008, 339, 1413-1424. | 1.0 | 1 |
| 81 | Global wellposed problem for the 3-D incompressible anisotropic Navierâ€“Stokes equations. Journal Des Mathematiques Pures Et Appliquees, 2008, 90, 413-449. | 1.6 | 11 |
| 82 | Global Behavior of Spherically Symmetric Navierâ€“Stokes Equations with Degenerate Viscosity Coefficients. SIAM Journal on Mathematical Analysis, 2008, 40, 869-904. | 1.9 | 7 |
| 83 | A vacuum problem for multidimensional compressible Navier-Stokes equations with degenerate viscosity coefficients. Communications on Pure and Applied Analysis, 2008, 7, 987-1016. | 0.8 | 12 |
| 84 | GLOBAL EXPONENTIAL STABILITY OF CLASSICAL SOLUTIONS TO THE HYDRODYNAMIC MODEL FOR SEMICONDUCTORS. Mathematical Models and Methods in Applied Sciences, 2007, 17, 1507-1530. | 3.3 | 15 |
| 85 | Global behavior of spherically symmetric Navierâ€“Stokes equations with density-dependent viscosity. Journal of Differential Equations, 2007, 236, 293-341. | 2.2 | 15 |
| 86 | Non-formation of vacuum states for Navier-Stokes equations with density-dependent viscosity. Journal of Zhejiang University: Science A, 2007, 8, 1681-1690. | 2.4 | 0 |
| 87 | Global solutions of the Navierâ€“Stokes equations for compressible flow with density-dependent viscosity and discontinuous initial data. Journal of Differential Equations, 2006, 222, 63-94. | 2.2 | 41 |
| 88 | Discontinuous solutions of the compressible Navierâ€“Stokes equations with degenerate viscosity coefficient and vacuum. Journal of Mathematical Analysis and Applications, 2006, 318, 224-245. | 1.0 | 12 |
| 89 | Global Behavior of Compressible Navier-Stokes Equations with a Degenerate Viscosity Coefficient. Archive for Rational Mechanics and Analysis, 2006, 182, 223-253. | 2.4 | 51 |
| 90 | Compressible Navierâ€“Stokes equations with vacuum state in the case of general pressure law. Mathematical Methods in the Applied Sciences, 2006, 29, 1081-1106. | 2.3 | 47 |

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|---|---|---|---|
| 91 | A note on compressible Navierâ€“Stokes equations with vacuum state in one dimension. Nonlinear Analysis: Theory, Methods & Applications, 2004, 58, 719-731. | 1.1 | 18 |
| 92 | Compressible Navier-Stokes equations with vacuum state in one dimension. Communications on Pure and Applied Analysis, 2004, 3, 675-694. | 0.8 | 39 |
| 93 | A new improved regularity criterion of solutions to Leray-?-MHD model and Navier-Stokes equation. Proceedings of the American Mathematical Society, 0, , . | 0.8 | 0 |