

Zujin Zhang

List of Publications by Year in descending order

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76
papers

599
citations

687220

13
h-index

752573

20
g-index

76
all docs

76
docs citations

76
times ranked

140
citing authors

#	ARTICLE	IF	CITATIONS
1	On the uniqueness of strong solution to the incompressible Navier–Stokes equations with damping. <i>Journal of Mathematical Analysis and Applications</i> , 2011, 377, 414-419.	0.5	60
2	Some Serrin-type regularity criteria for weak solutions to the Navier-Stokes equations. <i>Journal of Mathematical Physics</i> , 2011, 52, .	0.5	34
3	A regularity criterion for the 3D magneto-micropolar fluid equations in Triebel–Lizorkin spaces. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2011, 74, 2220-2225.	0.6	33
4	A Serrin-type regularity criterion for the Navier-Stokes equations via one velocity component. <i>Communications on Pure and Applied Analysis</i> , 2012, 12, 117-124.	0.4	28
5	Remarks on the regularity criteria for generalized MHD equations. <i>Journal of Mathematical Analysis and Applications</i> , 2011, 375, 799-802.	0.5	23
6	Two New Regularity Criteria for the 3D Navier-Stokes Equations via Two Entries of the Velocity Gradient Tensor. <i>Acta Applicandae Mathematicae</i> , 2013, 123, 43-52.	0.5	21
7	Regularity criteria for the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" display="inline" overflow="scroll"} \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:math} \rangle D$ MHD equations involving one current density and the gradient of one velocity component. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2015, 115, 41-49.	0.6	20
8	Remarks on the global regularity criteria for the 3D MHD equations via two components. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2015, 66, 977-987.	0.7	19
9	Navier–Stokes equations with vorticity in Besov spaces of negative regular indices. <i>Journal of Mathematical Analysis and Applications</i> , 2016, 440, 415-419.	0.5	19
10	Regularity criteria for the 3D MHD equations via one directional derivative of the pressure. <i>Journal of Mathematical Analysis and Applications</i> , 2013, 401, 66-71.	0.5	18
11	An improved regularity criterion for the Navier–Stokes equations in terms of one directional derivative of the velocity field. <i>Bulletin of Mathematical Sciences</i> , 2018, 8, 33-47.	0.5	17
12	Convergence and stability of balanced methods for stochastic delay integro-differential equations. <i>Applied Mathematics and Computation</i> , 2014, 237, 446-460.	1.4	16
13	A Logarithmically Improved Regularity Criterion for the 3D Boussinesq Equations Via the Pressure. <i>Acta Applicandae Mathematicae</i> , 2014, 131, 213-219.	0.5	13
14	A remark on the blow-up criterion for the 3D Hall-MHD system in Besov spaces. <i>Journal of Mathematical Analysis and Applications</i> , 2016, 441, 692-701.	0.5	13
15	A Regularity Criterion in Terms of Pressure for the 3D Viscous MHD Equations. <i>Bulletin of the Malaysian Mathematical Sciences Society</i> , 2017, 40, 1677-1690.	0.4	13
16	An almost Serrin-type regularity criterion for the Navier–Stokes equations involving the gradient of one velocity component. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2015, 66, 1707-1715.	0.7	12
17	A refined regularity criterion for the Navier–Stokes equations involving one non-diagonal entry of the velocity gradient. <i>Journal of Mathematical Analysis and Applications</i> , 2017, 453, 1145-1150.	0.5	12
18	A New Regularity Criterion for the 3D Navier-Stokes Equations via Two Entries of the Velocity Gradient Tensor. <i>Acta Applicandae Mathematicae</i> , 2014, 129, 175-181.	0.5	11

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19	A remark on regularity criterion for the 3D Hall-MHD equations based on the vorticity. Applied Mathematics and Computation, 2017, 301, 70-77.	1.4	10
20	On weighted regularity criteria for the axisymmetric Navier-Stokes equations. Applied Mathematics and Computation, 2017, 296, 18-22.	1.4	10
21	A pointwise regularity criterion for axisymmetric Navier-Stokes system. Journal of Mathematical Analysis and Applications, 2018, 461, 1-6.	0.5	10
22	Regularity criteria for the 3D magneto-micropolar fluid equations in Besov spaces with negative indices. Applied Mathematics and Computation, 2012, 218, 10755-10758.	1.4	9
23	A remark on the regularity criterion for the 3D Navier-Stokes equations involving the gradient of one velocity component. Journal of Mathematical Analysis and Applications, 2014, 414, 472-479.	0.5	9
24	A note on the regularity criterion for 3D MHD equations in space. Applied Mathematics and Computation, 2014, 238, 245-249.	1.4	8
25	Remark on an improved regularity criterion for the 3D MHD equations. Applied Mathematics Letters, 2015, 42, 41-46.	1.5	8
26	3D Density-Dependent Boussinesq Equations with Velocity Field in BMO Spaces. Acta Applicandae Mathematicae, 2016, 142, 1-8.	0.5	8
27	A blow-up criterion for the 3D compressible MHD equations. Communications on Pure and Applied Analysis, 2012, 11, 1167-1183.	0.4	8
28	Refined regularity criteria for the MHD system involving only two components of the solution. Applicable Analysis, 2017, 96, 2130-2139.	0.6	7
29	A remark on the global existence of weak solutions to the compressible quantum Navier-Stokes equations. Nonlinear Analysis: Real World Applications, 2019, 45, 255-261.	0.9	7
30	Some Regularity Criteria for the 3D Boussinesq Equations in the Class L^p . Applied Mathematics, 2014, 2014, 1-4.	0.5	6
31	Two new regularity criteria for the Navier-Stokes equations via two entries of the velocity Hessian tensor. Applied Mathematics Letters, 2014, 37, 124-130.	1.5	6
32	3D axisymmetric MHD system with regularity in the swirl component of the vorticity. Computers and Mathematics With Applications, 2017, 73, 2573-2580.	1.4	6
33	Some remarks on the Navier-Stokes equations with regularity in one direction. , 2019, 64, 301-308.		6
34	An Osgood type regularity criterion for the liquid crystal flows. Nonlinear Differential Equations and Applications, 2014, 21, 253-262.	0.4	5
35	A regularity criterion for the 3D MHD equations in terms of the gradient of the pressure in the multiplier spaces. Arabian Journal of Mathematics, 2015, 4, 153-157.	0.4	5
36	Generalized MHD System with Velocity Gradient in Besov Spaces of Negative Order. Acta Applicandae Mathematicae, 2017, 149, 139-144.	0.5	5

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37	Remarks on global regularity for the 3D MHD system with damping. Applied Mathematics and Computation, 2018, 333, 1-7.	1.4	5
38	Several new regularity criteria for the axisymmetric Navier–Stokes equations with swirl. Computers and Mathematics With Applications, 2018, 76, 1420-1426.	1.4	5
39	Remarks on the energy equality for the non-Newtonian fluids. Journal of Mathematical Analysis and Applications, 2019, 480, 123443.	0.5	5
40	Serrin type regularity criterion for the shear thinning fluids via the velocity field. Applied Mathematics Letters, 2021, 116, 107011.	1.5	5
41	Remarks on regularity criteria for the weak solutions of liquid crystals. Journal of Evolution Equations, 2012, 12, 801-812.	0.6	4
42	A Remark on the Regularity Criterion for the 3D Boussinesq Equations Involving the Pressure Gradient. Abstract and Applied Analysis, 2014, 2014, 1-4.	0.3	4
43	Navier–Stokes equations with regularity in one directional derivative of the pressure. Mathematical Methods in the Applied Sciences, 2015, 38, 4019-4023.	1.2	4
44	On regularity criteria for the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" display="inline" overflow="scroll" \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:math} \rangle D$ Navier–Stokes equations involving the ratio of the vorticity and the velocity. Computers and Mathematics With Applications, 2016, 72, 2311-2314.	1.4	4
45	Serrin-type regularity criterion for the Navier-Stokes equations involving one velocity and one vorticity component. , 2018, 68, 219-225.		4
46	Global regularity criterion for the Navier–Stokes equations based on the direction of vorticity. Mathematical Methods in the Applied Sciences, 2019, 42, 7126-7134.	1.2	4
47	Remarks on the regularity criteria for the 3D MHD equations in the multiplier spaces. Boundary Value Problems, 2013, 2013, .	0.3	3
48	Global Regularity for the 2D Micropolar Fluid Flows with Mixed Partial Dissipation and Angular Viscosity. Abstract and Applied Analysis, 2014, 2014, 1-6.	0.3	3
49	A note on the regularity criterion for the 3D Navier–Stokes equations via the gradient of one velocity component. Journal of Mathematical Analysis and Applications, 2015, 432, 603-611.	0.5	3
50	Regularity Criteria for the Axisymmetric Navier–Stokes System with Negative Weights. Results in Mathematics, 2019, 74, 1.	0.4	3
51	Global well-posedness of 3D axisymmetric MHD system with large swirl magnetic field. Journal of Mathematical Analysis and Applications, 2022, 516, 126483.	0.5	3
52	Navier–Stokes equations with regularity in two entries of the velocity gradient tensor. Applied Mathematics and Computation, 2014, 228, 546-551.	1.4	2
53	On the regularity criterion for the Navier–Stokes equations involving the diagonal entry of the velocity gradient. Nonlinear Analysis: Theory, Methods & Applications, 2015, 122, 169-175.	0.6	2
54	Regularity criteria for the three dimensional Ericksen–Leslie system in homogeneous Besov spaces. Computers and Mathematics With Applications, 2018, 75, 1060-1065.	1.4	2

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55	Remarks on regularity criteria for the 2D generalized MHD system in Besov spaces. Rocky Mountain Journal of Mathematics, 2018, 48, .	0.2	2
56	An extension and simpler proof of Berselli's geometric regularity condition for the Navier-Stokes system. Computers and Mathematics With Applications, 2019, 77, 765-769.	1.4	2
57	Extended Regularity Criteria for the Navier-Stokes-Maxwell system. Bulletin of the Malaysian Mathematical Sciences Society, 2019, 42, 2039-2046.	0.4	2
58	A regularity criterion for the 3D density-dependent incompressible flow of liquid crystals with vacuum. Annales Polonici Mathematici, 2015, 115, 165-177.	0.2	2
59	On a Fractional Nonlinear Hyperbolic Equation Arising from Relative Theory. Abstract and Applied Analysis, 2013, 2013, 1-6.	0.3	1
60	A Remark on the Regularity Criterion for the MHD Equations via Two Components in Morrey-Campanato Spaces. Journal of Difference Equations, 2014, 2014, 1-4.	0.1	1
61	Blow-Up of Smooth Solution to the Compressible Navier-Stokes-Poisson Equations. Bulletin of the Malaysian Mathematical Sciences Society, 2016, 39, 1487-1497.	0.4	1
62	A remark on the global regularity criterion for the 3D Navier-Stokes equations based on end-point Prodi-Serrin conditions. Applied Mathematics Letters, 2018, 83, 182-187.	1.5	1
63	On the blow-up criterion for the quasi-geostrophic equations in homogeneous Besov spaces. Computers and Mathematics With Applications, 2018, 75, 1038-1043.	1.4	1
64	New a priori estimates for the axisymmetric Navier-Stokes system. Applied Mathematics Letters, 2019, 92, 139-143.	1.5	1
65	Components reduction regularity results for the Navier-Stokes equations in general dimensions. Journal of Mathematical Analysis and Applications, 2019, 469, 827-840.	0.5	1
66	Weighted a priori estimates for the swirl component of the vorticity of the axisymmetric Navier-Stokes system. Applied Mathematics Letters, 2020, 104, 106275.	1.5	1
67	On regularity criteria for the Navier-Stokes equations based on one directional derivative of the velocity or one diagonal entry of the velocity gradient. Zeitschrift Fur Angewandte Mathematik Und Physik, 2021, 72, 1.	0.7	1
68	A regularity criterion for the three-dimensional micropolar fluid system in homogeneous Besov spaces. Electronic Journal of Qualitative Theory of Differential Equations, 2016, , 1-6.	0.2	1
69	Remarks on the blow-up criterion for the MHD system involving horizontal components or their horizontal gradients. Annales Polonici Mathematici, 0, , 1-13.	0.2	1
70	MHD Equations with Regularity in One Direction. International Journal of Partial Differential Equations, 2014, 2014, 1-5.	0.4	0
71	On the Weak Solution to a Fractional Nonlinear Schrödinger Equation. Abstract and Applied Analysis, 2014, 2014, 1-6.	0.3	0
72	Regularity criteria for the 3D magneto-micropolar fluid equations via the direction of the velocity. Proceedings of the Indian Academy of Sciences: Mathematical Sciences, 2015, 125, 37-43.	0.2	0

#	ARTICLE	IF	CITATIONS
73	Blow-up criterion of strong solutions to the 3D ghost effect system in Besov spaces with negative indices. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2017, 97, 576-585.	0.9	0
74	Regularity Criteria of the Density-Dependent Incompressible Ideal Boussinesq and Liquid Crystals Model. Acta Applicandae Mathematicae, 2021, 173, 1.	0.5	0
75	Global regularity for the 3D MHD system with damping. Colloquium Mathematicum, 0, , 1-4.	0.2	0
76	Global regularity for a family of models of the axisymmetric Navier-Stokes system. Zeitschrift Fur Angewandte Mathematik Und Physik, 2022, 73, 1.	0.7	0