Zujin Zhang

List of Publications by Year
in descending order

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76	599	687220 13	752573 20
papers	citations	h-index	g-index

76	76	76	140
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Global regularity for a family of models of the axisymmetric Navierâ€“Stokes system. Zeitschrift Fur Angewandte Mathematik Und Physik, 2022, 73, 1.	0.7	0
2	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
3	On regularity criteria for the Navierâ€“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
4	Regularity Criteria of the Density-Dependent Incompressible Ideal Boussinesq and Liquid Crystals Model. Acta Applicandae Mathematicae, 2021, 173, 1.	0.5	0
5	Serrin type regularity criterion for the shear thinning fluids via the velocity field. Applied Mathematics Letters, 2021, 116, 107011.	1.5	5
6	Weighted a priori estimates for the swirl component of the vorticity of the axisymmetric Navierâ€“Stokes system. Applied Mathematics Letters, 2020, 104, 106275.	1.5	1
7	A remark on the global existence of weak solutions to the compressible quantum Navierâ€“Stokes equations. Nonlinear Analysis: Real World Applications, 2019, 45, 255-261.	0.9	7
8	Regularity Criteria for the Axisymmetric Navierâ€“Stokes System with Negative Weights. Results in Mathematics, 2019, 74, 1.	0.4	3
9	Global regularity criterion for the Navierâ€“Stokes equations based on the direction of vorticity. Mathematical Methods in the Applied Sciences, 2019, 42, 7126-7134.	1.2	4
10	Remarks on the energy equality for the non-Newtonian fluids. Journal of Mathematical Analysis and Applications, 2019, 480, 123443.	0.5	5
11	New a priori estimates for the axisymmetric Navierâ€“Stokes system. Applied Mathematics Letters, 2019, 92, 139-143.	1.5	1
12	Some remarks on the Navier-Stokes equations with regularity in one direction. , 2019, 64, 301-308.		6
13	An extension and simpler proof of Berselliâ€“CÃ³rdobaâ€™s geometric regularity condition for the Navierâ€“Stokes system. Computers and Mathematics With Applications, 2019, 77, 765-769.	1.4	2
14	Components reduction regularity results for the Navierâ€“Stokes equations in general dimensions. Journal of Mathematical Analysis and Applications, 2019, 469, 827-840.	0.5	1
15	Extended Regularity Criteria for the Navierâ€“Stokesâ€“Maxwell system. Bulletin of the Malaysian Mathematical Sciences Society, 2019, 42, 2039-2046.	0.4	2
16	A remark on the global regularity criterion for the 3D Navierâ€“Stokes equations based on end-point Prodiâ€“Serrin conditions. Applied Mathematics Letters, 2018, 83, 182-187.	1.5	1
17	Remarks on global regularity for the 3D MHD system with damping. Applied Mathematics and Computation, 2018, 333, 1-7.	1.4	5
18	Serrin-type regularity criterion for the Navier-Stokes equations involving one velocity and one vorticity component. , 2018, 68, 219-225.		4

#	Article	IF	Citations
19	A pointwise regularity criterion for axisymmetric Navierâ€“Stokes system. Journal of Mathematical Analysis and Applications, 2018, 461, 1-6.	0.5	10
20	An improved regularity criterion for the Navierâ€“Stokes equations in terms of one directional derivative of the velocity field. Bulletin of Mathematical Sciences, 2018, 8, 33-47.	0.5	17
21	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
22	Regularity criteria for the three dimensional Ericksenâ€“Leslie system in homogeneous Besov spaces. Computers and Mathematics With Applications, 2018, 75, 1060-1065.	1.4	2
23	Remarks on regularity criteria for the 2D generalized MHD system in Besov spaces. Rocky Mountain Journal of Mathematics, 2018, 48, .	0.2	2
24	Several new regularity criteria for the axisymmetric Navierâ€“Stokes equations with swirl. Computers and Mathematics With Applications, 2018, 76, 1420-1426.	1.4	5
25	A Regularity Criterion in Terms of Pressure for the 3D Viscous MHD Equations. Bulletin of the Malaysian Mathematical Sciences Society, 2017, 40, 1677-1690.	0.4	13
26	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
27	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" display="inline" overflow="scroll"><mml:mn>3</mml:mn></mml:math>D axisymmetric MHD system with regularity in the swirl component of the vorticity. Computers and Mathematics With Applications, 2017, 73, 2573-2580.	1.4	6
28	Generalized MHD System with Velocity Gradient in Besov Spaces of Negative Order. Acta Applicandae Mathematicae, 2017, 149, 139-144.	0.5	5
29	A refined regularity criterion for the Navierâ€“Stokes equations involving one non-diagonal entry of the velocity gradient. Journal of Mathematical Analysis and Applications, 2017, 453, 1145-1150.	0.5	12
30	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
31	On weighted regularity criteria for the axisymmetric Navierâ€“Stokes equations. Applied Mathematics and Computation, 2017, 296, 18-22.	1.4	10
32	Refined regularity criteria for the MHD system involving only two components of the solution. Applicable Analysis, 2017, 96, 2130-2139.	0.6	7
33	A remark on the blow-up criterion for the 3D Hall-MHD system in Besov spaces. Journal of Mathematical Analysis and Applications, 2016, 441, 692-701.	0.5	13
34	Navierâ€“Stokes equations with vorticity in Besov spaces of negative regular indices. Journal of Mathematical Analysis and Applications, 2016, 440, 415-419.	0.5	19
35	On regularity criteria for the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" display="inline" overflow="scroll"><mml:mn>3</mml:mn></mml:math>D Navierâ€“Stokes equations involving the ratio of the vorticity and the velocity. Computers and Mathematics With Applications, 2016, 72, 2311-2314.	1.4	4
36	Blow-Up of Smooth Solution to the Compressible Navierâ€“Stokesâ€“Poisson Equations. Bulletin of the Malaysian Mathematical Sciences Society, 2016, 39, 1487-1497.	0.4	1

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37	3D Density-Dependent Boussinesq Equations with Velocity Field in BMO Spaces. Acta Applicandae Mathematicae, 2016, 142, 1-8.	0.5	8
38	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
39	A note on the regularity criterion for the 3D Navierâ€“Stokes equations via the gradient of one velocity component. Journal of Mathematical Analysis and Applications, 2015, 432, 603-611.	0.5	3
40	Navierâ€“Stokes equations with regularity in one directional derivative of the pressure. Mathematical Methods in the Applied Sciences, 2015, 38, 4019-4023.	1.2	4
41	On the regularity criterion for the Navierâ€“Stokes equations involving the diagonal entry of the velocity gradient. Nonlinear Analysis: Theory, Methods & Applications, 2015, 122, 169-175.	0.6	2
42	Remarks on the global regularity criteria for the 3D MHD equations via two components. Zeitschrift Fur Angewandte Mathematik Und Physik, 2015, 66, 977-987.	0.7	19
43	Regularity criteria for the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" display="inline" overflow="scroll"><mml:mn>3</mml:mn></mml:math>D MHD equations involving one current density and the gradient of one velocity component. Nonlinear Analysis: Theory, Methods & Applications, 2015, 115, 41-49.	0.6	20
44	Remark on an improved regularity criterion for the 3D MHD equations. Applied Mathematics Letters, 2015, 42, 41-46.	1.5	8
45	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
46	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
47	An almost Serrin-type regularity criterion for the Navierâ€“Stokes equations involving the gradient of one velocity component. Zeitschrift Fur Angewandte Mathematik Und Physik, 2015, 66, 1707-1715.	0.7	12
48	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
49	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
50	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
51	MHD Equations with Regularity in One Direction. International Journal of Partial Differential Equations, 2014, 2014, 1-5.	0.4	0
52	Some Regularity Criteria for the 3D Boussinesq Equations in the Class<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"><mml:msup><mml:mrow><mml:mi>L</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msup separators="|"><mml:mrow><mml:mn>0</mml:mn><mml:mo>,</mml:mo><mml:mi>T</mml:mi><mml:mo>;</mml:mo><mml:msubsup accent="true"><mml:mrow><mml:mi>B</mml:mi></mml:mrow><mml:mo>Ë™</mml:mo></mml:mover></mml:mrow><mml:mrow><m ISRN Applied Mathematics, 2014, 2014, 1-4.	0.3	6
53	On the Weak Solution to a Fractional Nonlinear SchrÃ¶dinger Equation. Abstract and Applied Analysis, 2014, 2014, 1-6.	0.3	0
54	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

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55	Two new regularity criteria for the Navierâ€“Stokes equations via two entries of the velocity Hessian tensor. Applied Mathematics Letters, 2014, 37, 124-130.	1.5	6
56	A New Regularity Criterion for the 3D Navier-Stokes Equations via Two Entries of the Velocity Gradient Tensor. Acta Applicandae Mathematicae, 2014, 129, 175-181.	0.5	11
57	An Osgood type regularity criterion for the liquid crystal flows. Nonlinear Differential Equations and Applications, 2014, 21, 253-262.	0.4	5
58	A note on the regularity criterion for 3D MHD equations in space. Applied Mathematics and Computation, 2014, 238, 245-249.	1.4	8
59	A Logarithmically Improved Regularity Criterion for the 3D Boussinesq Equations Via the Pressure. Acta Applicandae Mathematicae, 2014, 131, 213-219.	0.5	13
60	Navierâ€“Stokes equations with regularity in two entries of the velocity gradient tensor. Applied Mathematics and Computation, 2014, 228, 546-551.	1.4	2
61	Convergence and stability of balanced methods for stochastic delay integro-differential equations. Applied Mathematics and Computation, 2014, 237, 446-460.	1.4	16
62	A remark on the regularity criterion for the 3D Navierâ€“Stokes equations involving the gradient of one velocity component. Journal of Mathematical Analysis and Applications, 2014, 414, 472-479.	0.5	9
63	Two New Regularity Criteria for the 3D Navier-Stokes Equations via Two Entries of the Velocity Gradient Tensor. Acta Applicandae Mathematicae, 2013, 123, 43-52.	0.5	21
64	Regularity criteria for the 3D MHD equations via one directional derivative of the pressure. Journal of Mathematical Analysis and Applications, 2013, 401, 66-71.	0.5	18
65	On a Fractional Nonlinear Hyperbolic Equation Arising from Relative Theory. Abstract and Applied Analysis, 2013, 2013, 1-6.	0.3	1
66	Remarks on the regularity criteria for the 3D MHD equations in the multiplier spaces. Boundary Value Problems, 2013, 2013, .	0.3	3
67	Remarks on regularity criteria for the weak solutions of liquid crystals. Journal of Evolution Equations, 2012, 12, 801-812.	0.6	4
68	A Serrin-type regularity criterion for the Navier-Stokes equations via one velocity component. Communications on Pure and Applied Analysis, 2012, 12, 117-124.	0.4	28
69	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
70	A blow-up criterion for the 3D compressible MHD equations. Communications on Pure and Applied Analysis, 2012, 11, 1167-1183.	0.4	8
71	Remarks on the regularity criteria for generalized MHD equations. Journal of Mathematical Analysis and Applications, 2011, 375, 799-802.	0.5	23
72	A regularity criterion for the 3D magneto-micropolar fluid equations in Triebelâ€“Lizorkin spaces. Nonlinear Analysis: Theory, Methods & Applications, 2011, 74, 2220-2225.	0.6	33

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73	On the uniqueness of strong solution to the incompressible Navierâ€“Stokes equations with damping. Journal of Mathematical Analysis and Applications, 2011, 377, 414-419.	0.5	60
74	Some Serrin-type regularity criteria for weak solutions to the Navier-Stokes equations. Journal of Mathematical Physics, 2011, 52, .	0.5	34
75	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
76	Global regularity for the 3D MHD system with damping. Colloquium Mathematicum, 0, , 1-4.	0.2	0