

Jun Zhou

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Global existence and blow-up for a thermoelastic system with p -Laplacian. <i>Applicable Analysis</i> , 2022, 101, 6690-6708.	1.3	5
2	The Cauchy problem for Choquard equation with an inverse-square potential. <i>Mathematical Methods in the Applied Sciences</i> , 2022, 45, 2007-2023.	2.3	1
3	Sufficient and necessary condition for the blowing-up solution to a class of coupled pseudo-parabolic equations. <i>Applied Mathematics Letters</i> , 2022, 128, 107886.	2.7	1
4	Blowup for a Kirchhoff-type parabolic equation with logarithmic nonlinearity. <i>Analysis and Applications</i> , 2022, 20, 1089-1101.	2.2	5
5	Global attractors of the degenerate fractional Kirchhoff wave equation with structural damping or strong damping. <i>Advances in Nonlinear Analysis</i> , 2022, 11, 993-1029.	2.6	6
6	Well-posedness of solutions for the dissipative Boussinesq equation with logarithmic nonlinearity. <i>Nonlinear Analysis: Real World Applications</i> , 2022, 67, 103587.	1.7	3
7	Well-posedness of solutions for a class of quasilinear wave equations with strong damping and logarithmic nonlinearity. <i>Studies in Applied Mathematics</i> , 2022, 149, 441-486.	2.4	3
8	Global existence and blow-up for a mixed pseudo-parabolic p -Laplacian type equation with logarithmic nonlinearity-II. <i>Applicable Analysis</i> , 2021, 100, 2641-2658.	1.3	12
9	Global existence and blow-up of solutions to a semilinear heat equation with logarithmic nonlinearity. <i>Applicable Analysis</i> , 2021, 100, 2804-2824.	1.3	7
10	Global Existence and Blow-Up for a Parabolic Problem of Kirchhoff Type with Logarithmic Nonlinearity. <i>Applied Mathematics and Optimization</i> , 2021, 83, 1651-1707.	1.6	20
11	Analysis of a pseudo-parabolic equation by potential wells. <i>Annali Di Matematica Pura Ed Applicata</i> , 2021, 200, 2741-2766.	1.0	5
12	Qualitative Analysis for a Degenerate Kirchhoff-Type Diffusion Equation Involving the Fractional p -Laplacian. <i>Applied Mathematics and Optimization</i> , 2021, 84, 465-508.	1.6	3
13	Infinite time blow-up of solutions to a class of wave equations with weak and strong damping terms and logarithmic nonlinearity. <i>Studies in Applied Mathematics</i> , 2021, 147, 914-934.	2.4	10
14	Blow-up of solutions to a fourth-order parabolic equation with/without p -Laplacian and general nonlinearity modeling epitaxial growth. <i>Analysis and Mathematical Physics</i> , 2021, 11, 1.	1.3	1
15	Infinite Time Blow-Up of Solutions for A Class of Logarithmic Wave Equations with Arbitrary High Initial Energy. <i>Applied Mathematics and Optimization</i> , 2021, 84, 1331-1343.	1.6	4
16	Well-Posedness of Solutions for the Sixth-Order Boussinesq Equation with Linear Strong Damping and Nonlinear Source. <i>Journal of Nonlinear Science</i> , 2021, 31, 1.	2.1	4
17	Blow-up phenomena for the sixth-order Boussinesq equation with fourth-order dispersion term and nonlinear source. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2021, .	1.1	1
18	Infinite Time Blow-Up of Solutions to a Fourth-Order Nonlinear Parabolic Equation with Logarithmic Nonlinearity Modeling Epitaxial Growth. <i>Mediterranean Journal of Mathematics</i> , 2021, 18, 1.	0.8	1

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19	Boundedness and Exponential Stability of Neutral-type Stochastic Hybrid Systems. , 2021, , .		0
20	Global Existence, Finite Time Blow-Up, and Vacuum Isolating Phenomenon for a Class of Thin-Film Equation. Journal of Dynamical and Control Systems, 2020, 26, 265-288.	0.8	2
21	Global Existence, Extinction, and Non-Extinction of Solutions to a Fast Diffusion p-Laplace Evolution Equation with Singular Potential. Journal of Dynamical and Control Systems, 2020, 26, 509-523.	0.8	5
22	Lifespan, asymptotic behavior and ground-state solutions to a nonlocal parabolic equation. Zeitschrift Fur Angewandte Mathematik Und Physik, 2020, 71, 1.	1.4	2
23	Local existence, global existence and blow-up of solutions to a nonlocal Kirchhoff diffusion problem. Nonlinearity, 2020, 33, 1046-1063.	1.4	21
24	Global existence and blow-up of solutions to a nonlocal Kirchhoff diffusion problem. Nonlinearity, 2020, 33, 6099-6133.	1.4	18
25	Comments on the paper "Asymptotic behavior for a fourth-order parabolic equation involving the Hessian. Z. Angew. Math. Phys., (2018) 69: 147" Zeitschrift Fur Angewandte Mathematik Und Physik, 2019, 70, 1.	1.4	0
26	Ground state solution for a fourth-order elliptic equation with logarithmic nonlinearity modeling epitaxial growth. Computers and Mathematics With Applications, 2019, 78, 1878-1886.	2.7	13
27	Bifurcation Analysis of a Diffusive Predator-Prey Model with Bazykin Functional Response. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2019, 29, 1950136.	1.7	1
28	Global existence and blow-up for a mixed pseudo-parabolic p-Laplacian type equation with logarithmic nonlinearity. Journal of Mathematical Analysis and Applications, 2019, 478, 393-420.	1.0	56
29	Global asymptotical behavior of solutions to a class of fourth order parabolic equation modeling epitaxial growth. Nonlinear Analysis: Real World Applications, 2019, 48, 54-70.	1.7	24
30	Global existence and blow-up of solutions to a class of nonlocal parabolic equations. Computers and Mathematics With Applications, 2019, 78, 979-996.	2.7	2
31	Behavior of Solutions to a Fourth-Order Nonlinear Parabolic Equation with Logarithmic Nonlinearity. Applied Mathematics and Optimization, 2019, 84, 191.	1.6	5
32	Blow-up and global existence of solutions to a parabolic equation associated with the fraction $\frac{p}{q}$ -Laplacian. Communications on Pure and Applied Analysis, 2019, 18, 1205-1226.	0.8	8
33	Lifespan for a semilinear pseudo-parabolic equation. Mathematical Methods in the Applied Sciences, 2018, 41, 705-713.	2.3	15
34	Global asymptotical behavior and some new blow-up conditions of solutions to a thin-film equation. Journal of Mathematical Analysis and Applications, 2018, 464, 1290-1312.	1.0	10
35	Global existence and blow-up of solutions to a nonlocal parabolic equation with singular potential. Journal of Mathematical Analysis and Applications, 2018, 464, 1213-1242.	1.0	15
36	Blow-up of solutions to a parabolic system with nonlocal source. Applicable Analysis, 2018, 97, 825-841.	1.3	1

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37	Global existence and finite time blow-up of the solution for a thin-film equation with high initial energy. <i>Journal of Mathematical Analysis and Applications</i> , 2018, 458, 521-535.	1.0	15
38	Blow-up and lifespan of solutions to a nonlocal parabolic equation at arbitrary initial energy level. <i>Applied Mathematics Letters</i> , 2018, 78, 118-125.	2.7	6
39	Asymptotic behavior for a fourth-order parabolic equation involving the Hessian. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2018, 69, 1.	1.4	4
40	L2-norm blow-up of solutions to a fourth order parabolic PDE involving the Hessian. <i>Journal of Differential Equations</i> , 2018, 265, 4632-4641.	2.2	15
41	Global existence and blow-up of solutions to a singular Non-Newton polytropic filtration equation with critical and supercritical initial energy. <i>Communications on Pure and Applied Analysis</i> , 2018, 17, 1805-1820.	0.8	6
42	A new blow-up condition for semi-linear edge degenerate parabolic equation with singular potentials. <i>Applicable Analysis</i> , 2017, 96, 363-374.	1.3	6
43	Upper bounds of blow-up time and blow-up rate for a semi-linear edge-degenerate parabolic equation. <i>Applied Mathematics Letters</i> , 2017, 73, 1-7.	2.7	7
44	A new blow-up condition for a parabolic equation with singular potential. <i>Journal of Mathematical Analysis and Applications</i> , 2017, 449, 897-906.	1.0	5
45	Global existence and finite time blow-up for a class of thin-film equation. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2017, 68, 1.	1.4	14
46	Quenching for a parabolic equation with variable coefficient modeling MEMS technology. <i>Applied Mathematics and Computation</i> , 2017, 314, 7-11.	2.2	4
47	Global existence and blow-up for a fourth order parabolic equation involving the Hessian. <i>Nonlinear Differential Equations and Applications</i> , 2017, 24, 1.	0.8	10
48	Blowup, extinction and non-extinction for a nonlocal Δ^2 -biharmonic parabolic equation. <i>Applied Mathematics Letters</i> , 2017, 64, 198-204.	2.7	16
49	Blow-up for a thin-film equation with positive initial energy. <i>Journal of Mathematical Analysis and Applications</i> , 2017, 446, 1133-1138.	1.0	23
50	PATTERN FORMATION IN A GENERAL DEGN-HARRISON REACTION MODEL. <i>Bulletin of the Korean Mathematical Society</i> , 2017, 54, 655-666.	0.3	3
51	Global existence and energy decay estimate of solutions for a class of nonlinear higher-order wave equation with general nonlinear dissipation and source term. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2017, 10, 1175-1185.	1.1	0
52	Qualitative analysis of a producer-scrounger model. <i>Journal of Mathematical Analysis and Applications</i> , 2016, 440, 33-47.	1.0	0
53	Global existence and blow-up of solutions for a Non-Newton polytropic filtration system with special volumetric moisture content. <i>Computers and Mathematics With Applications</i> , 2016, 71, 1163-1172.	2.7	12
54	Global existence and blow-up to the solutions of a singular porous medium equation with critical initial energy. <i>Boundary Value Problems</i> , 2016, 2016, .	0.7	1

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55	Bifurcation analysis of the Oregonator model. Applied Mathematics Letters, 2016, 52, 192-198.	2.7	4
56	Bifurcation analysis of a diffusive plant-wrack model with tide effect on the wrack. Mathematical Biosciences and Engineering, 2016, 13, 857-885.	1.9	1
57	Positive solutions of a diffusive predator-prey mutualist model with cross-diffusion. Topological Methods in Nonlinear Analysis, 2015, , 1.	0.2	0
58	Blowup for a degenerate and singular parabolic equation with nonlocal source and nonlocal boundary. Applied Mathematics and Computation, 2015, 256, 881-884.	2.2	4
59	Lower bounds for blow-up time of two nonlinear wave equations. Applied Mathematics Letters, 2015, 45, 64-68.	2.7	22
60	Global existence and blow-up of solutions for a Kirchhoff type plate equation with damping. Applied Mathematics and Computation, 2015, 265, 807-818.	2.2	27
61	Bifurcation analysis of a diffusive predator-prey model with ratio-dependent Holling type III functional response. Nonlinear Dynamics, 2015, 81, 1535-1552.	5.2	24
62	Upper bound estimate for the blow-up time of an evolution m -Laplace equation involving variable source and positive initial energy. Computers and Mathematics With Applications, 2015, 69, 1463-1469.	2.7	12
63	Pattern formation in a general glycolysis reaction-diffusion system. IMA Journal of Applied Mathematics, 2015, 80, 1703-1738.	1.6	30
64	Qualitative analysis of a modified Leslie-Gower predator-prey model with Crowley-Martin functional responses. Communications on Pure and Applied Analysis, 2015, 14, 1127-1145.	0.8	11
65	Coexistence states of diffusive predator-prey systems with preys competition and predator saturation. Topological Methods in Nonlinear Analysis, 2015, 45, 509.	0.2	0
66	Qualitative analysis of an autocatalytic chemical reaction model with decay. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2014, 144, 427-446.	1.2	6
67	Global existence and blowup for a degenerate and singular parabolic system with nonlocal source and absorptions. Zeitschrift Fur Angewandte Mathematik Und Physik, 2014, 65, 449-469.	1.4	2
68	Positive solutions of a diffusive Leslie-Gower predator-prey model with Bazykin functional response. Zeitschrift Fur Angewandte Mathematik Und Physik, 2014, 65, 1-18.	1.4	11
69	Positive Solutions for a Lotka-Volterra Prey-Predator Model with Cross-Diffusion of Fractional Type. Results in Mathematics, 2014, 65, 293-320.	0.8	5
70	Positive solutions for a Lotka-Volterra prey-predator model with cross-diffusion and Holling type-II functional response. Science China Mathematics, 2014, 57, 991-1010.	1.7	10
71	Positive solutions for a modified Leslie-Gower prey-predator model with Crowley-Martin functional responses. Nonlinear Differential Equations and Applications, 2014, 21, 621-661.	0.8	3
72	The second critical exponent for a nonlocal porous medium equation in N . Applied Mathematics Letters, 2014, 38, 43-47.	2.7	4

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73	A multi-dimension blow-up problem to a porous medium diffusion equation with special medium void. Applied Mathematics Letters, 2014, 30, 6-11.	2.7	14
74	Positive steady state solutions of a diffusive Leslie-Gower predator-prey model with Holling type II functional response and cross-diffusion. Discrete and Continuous Dynamical Systems, 2014, 34, 3875-3899.	0.9	15
75	MULTIPLE SOLUTIONS FOR A p-LAPLACIAN SYSTEM WITH NONLINEAR BOUNDARY CONDITIONS. Bulletin of the Korean Mathematical Society, 2014, 51, 99-113.	0.3	0
76	On existence, multiplicity, uniqueness and stability of positive solutions of a Leslie-Gower type diffusive predator-prey system. Nonlinear Analysis: Modelling and Control, 2014, 19, 669-688.	1.6	0
77	Positive steady state solutions of a Leslie-Gower predator-prey model with Holling type II functional response and density-dependent diffusion. Nonlinear Analysis: Theory, Methods & Applications, 2013, 82, 47-65.	1.1	10
78	Spatiotemporal pattern formation of a diffusive bimolecular model with autocatalysis and saturation law. Computers and Mathematics With Applications, 2013, 66, 2003-2018.	2.7	3
79	Uniqueness of the positive solution for a non-cooperative model of nuclear reactors. Applied Mathematics Letters, 2013, 26, 1005-1007.	2.7	2
80	On the Cauchy Problem for A Reaction-Diffusion System with Singular Nonlinearity. Acta Mathematica Scientia, 2013, 33, 1031-1048.	1.0	1
81	The existence, bifurcation and stability of positive stationary solutions of a diffusive Leslie-Gower predator-prey model with Holling-type II functional responses. Journal of Mathematical Analysis and Applications, 2013, 405, 618-630.	1.0	31
82	Global Existence and Blowup for a Reaction-Diffusion System with Nonlocal Boundary Condition. ISRN Mathematical Analysis, 2013, 2013, 1-9.	0.4	0
83	GLOBAL ASYMPTOTIC STABILITY OF POSITIVE STEADY STATES OF AN n-DIMENSIONAL RATIO-DEPENDENT PREDATOR-PREY SYSTEM WITH DIFFUSION. Bulletin of the Korean Mathematical Society, 2013, 50, 1847-1854.	0.3	0
84	Global existence and blowup of solutions for a class of nonlinear higher-order wave equations. Zeitschrift Fur Angewandte Mathematik Und Physik, 2012, 63, 461-473.	1.4	5
85	Coexistence of a diffusive predator-prey model with Holling type-II functional response and density dependent mortality. Journal of Mathematical Analysis and Applications, 2012, 385, 913-927.	1.0	9
86	Positive solutions of a diffusive predator-prey model with modified Leslie-Gower and Holling-type II schemes. Journal of Mathematical Analysis and Applications, 2012, 389, 1380-1393.	1.0	21
87	Global existence and blow-up for weakly coupled degenerate and singular parabolic equations with localized source. Zeitschrift Fur Angewandte Mathematik Und Physik, 2011, 62, 47-66.	1.4	3
88	Coexistence of a three species predator-prey model with diffusion and density dependent mortality. Rendiconti Del Circolo Matematico Di Palermo, 2011, 60, 215-227.	1.3	2
89	The lifespan for 3D quasilinear wave equations with nonlinear damping terms. Nonlinear Analysis: Theory, Methods & Applications, 2011, 74, 5455-5466.	1.1	1
90	Positive solutions for a three-trophic food chain model with diffusion and Beddington-Deangelis functional response. Nonlinear Analysis: Real World Applications, 2011, 12, 902-917.	1.7	17

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91	BLOWUP FOR A DEGENERATE AND SINGULAR PARABOLIC EQUATION WITH NON-LOCAL SOURCE AND ABSORPTION. <i>Glasgow Mathematical Journal</i> , 2010, 52, 209-225.	0.3	5
92	Coexistence states of a Holling type-II predator-prey system. <i>Journal of Mathematical Analysis and Applications</i> , 2010, 369, 555-563.	1.0	37
93	Time periodic solutions of porous medium equation. <i>Mathematical Methods in the Applied Sciences</i> , 2010, 33, n/a-n/a.	2.3	4
94	Pattern formation of a coupled two-cell Brusselator model. <i>Journal of Mathematical Analysis and Applications</i> , 2010, 366, 679-693.	1.0	26
95	Non-simultaneous blow-up for a reaction-diffusion system with absorption and coupled boundary flux. <i>Electronic Journal of Qualitative Theory of Differential Equations</i> , 2010, , 1-10.	0.5	1
96	Fast rate of dead core for fast diffusion equation with strong absorption. <i>Communications on Pure and Applied Analysis</i> , 2010, 9, 397-411.	0.8	0
97	Asymptotic analysis to blow-up points for the porous medium equation with a weighted non-local source. <i>Applicable Analysis</i> , 2009, 88, 111-120.	1.3	0
98	GLOBAL EXISTENCE AND BLOW-UP FOR NON-NEWTON POLYTROPIC FILTRATION SYSTEM COUPLED WITH LOCAL SOURCE. <i>Glasgow Mathematical Journal</i> , 2009, 51, 39-47.	0.3	3
99	CRITICAL BLOW-UP AND EXTINCTION EXPONENTS FOR NON-NEWTON POLYTROPIC FILTRATION EQUATION WITH SOURCE. <i>Bulletin of the Korean Mathematical Society</i> , 2009, 46, 1159-1173.	0.3	23
100	Global existence and blow-up to a degenerate reaction-diffusion system with nonlinear memory. <i>Nonlinear Analysis: Real World Applications</i> , 2008, 9, 1518-1534.	1.7	7
101	The critical curve for a non-Newtonian polytropic filtration system coupled via nonlinear boundary flux. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2008, 68, 1-11.	1.1	17
102	Uniform blow-up profiles and boundary layer for a parabolic system with localized sources. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2008, 69, 24-34.	1.1	6
103	On the Critical Fujita Exponent for a Degenerate Parabolic System Coupled Via Nonlinear Boundary Flux. <i>Proceedings of the Edinburgh Mathematical Society</i> , 2008, 51, 785-805.	0.3	14
104	Incomplete quenching of heat equations with absorption. <i>Applicable Analysis</i> , 2008, 87, 523-529.	1.3	10
105	GLOBAL EXISTENCE AND BLOW-UP FOR A NON-NEWTON POLYTROPIC FILTRATION SYSTEM WITH NONLOCAL SOURCE. <i>ANZIAM Journal</i> , 2008, 50, 13.	0.2	10
106	BLOW-UP FOR A NON-NEWTON POLYTROPIC FILTRATION SYSTEM WITH NONLINEAR NONLOCAL SOURCE. <i>Communications of the Korean Mathematical Society</i> , 2008, 23, 529-540.	0.2	2
107	Algebraic criteria for global existence or blow-up for a boundary coupled system of nonlinear diffusion equations. <i>Applicable Analysis</i> , 2007, 86, 1185-1197.	1.3	2
108	Blow-up and global existence to a degenerate reaction-diffusion equation with nonlinear memory. <i>Journal of Mathematical Analysis and Applications</i> , 2007, 333, 1138-1152.	1.0	8

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109	Blowup for degenerate and singular parabolic system with nonlocal source. <i>Boundary Value Problems</i> , 2006, 2006, 1-19.	0.7	8
110	Extinction and Non-extinction of Solutions to a Fast Diffusion p-Laplace Equation with Logarithmic Non-linearity. <i>Journal of Dynamical and Control Systems</i> , 0, , 1.	0.8	2
111	Blow-up of solutions for the non-Newtonian polytropic filtration equation with a generalized source. <i>Annales Polonici Mathematici</i> , 0, , 1-20.	0.5	0