

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 mixed pseudo-parabolic p-Laplacian type equation with logarithmic nonlinearity. Journal of Mathematical Analysis and Applications, 2019, 478, 393-420.	1.0	56
2	Coexistence states of a Holling type-II predator-prey system. Journal of Mathematical Analysis and Applications, 2010, 369, 555-563.	1.0	37
3	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
4	Pattern formation in a general glycolysis reaction-diffusion system. IMA Journal of Applied Mathematics, 2015, 80, 1703-1738.	1.6	30
5	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
6	Pattern formation of a coupled two-cell Brusselator model. Journal of Mathematical Analysis and Applications, 2010, 366, 679-693.	1.0	26
7	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
8	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
9	Blow-up for a thin-film equation with positive initial energy. Journal of Mathematical Analysis and Applications, 2017, 446, 1133-1138.	1.0	23
10	CRITICAL BLOW-UP AND EXTINCTION EXPONENTS FOR NON-NEWTON POLYTROPIC FILTRATION EQUATION WITH SOURCE. Bulletin of the Korean Mathematical Society, 2009, 46, 1159-1173.	0.3	23
11	Lower bounds for blow-up time of two nonlinear wave equations. Applied Mathematics Letters, 2015, 45, 64-68.	2.7	22
12	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
13	Local existence, global existence and blow-up of solutions to a nonlocal Kirchhoff diffusion problem. Nonlinearity, 2020, 33, 1046-1063.	1.4	21
14	Global Existence and Blow-Up for a Parabolic Problem of Kirchhoff Type with Logarithmic Nonlinearity. Applied Mathematics and Optimization, 2021, 83, 1651-1707.	1.6	20
15	Global existence and blow-up of solutions to a nonlocal Kirchhoff diffusion problem. Nonlinearity, 2020, 33, 6099-6133.	1.4	18
16	The critical curve for a non-Newtonian polytropic filtration system coupled via nonlinear boundary flux. Nonlinear Analysis: Theory, Methods & Applications, 2008, 68, 1-11.	1.1	17
17	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
18	Blowup, extinction and non-extinction for a nonlocal $\Delta u - \lambda u = f(x)u^p$ biharmonic parabolic equation. Applied Mathematics Letters, 2017, 64, 198-204.	2.7	16

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19	Lifespan for a semilinear pseudo-parabolic equation. <i>Mathematical Methods in the Applied Sciences</i> , 2018, 41, 705-713.	2.3	15
20	Global existence and blow-up of solutions to a nonlocal parabolic equation with singular potential. <i>Journal of Mathematical Analysis and Applications</i> , 2018, 464, 1213-1242.	1.0	15
21	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
22	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
23	Positive steady state solutions of a diffusive Leslie-Gower predator-prey model with Holling type II functional response and cross-diffusion. <i>Discrete and Continuous Dynamical Systems</i> , 2014, 34, 3875-3899.	0.9	15
24	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
25	A multi-dimension blow-up problem to a porous medium diffusion equation with special medium void. <i>Applied Mathematics Letters</i> , 2014, 30, 6-11.	2.7	14
26	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
27	Ground state solution for a fourth-order elliptic equation with logarithmic nonlinearity modeling epitaxial growth. <i>Computers and Mathematics With Applications</i> , 2019, 78, 1878-1886.	2.7	13
28	Upper bound estimate for the blow-up time of an evolution $\Delta u - u^p$ -Laplace equation involving variable source and positive initial energy. <i>Computers and Mathematics With Applications</i> , 2015, 69, 1463-1469.	2.7	12
29	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
30	Global existence and blow-up for a mixed pseudo-parabolic $\Delta u - u^p$ -Laplacian type equation with logarithmic nonlinearity-II. <i>Applicable Analysis</i> , 2021, 100, 2641-2658.	1.3	12
31	Positive solutions of a diffusive Leslie-Gower predator-prey model with Bazykin functional response. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2014, 65, 1-18.	1.4	11
32	Qualitative analysis of a modified Leslie-Gower predator-prey model with Crowley-Martin functional responses. <i>Communications on Pure and Applied Analysis</i> , 2015, 14, 1127-1145.	0.8	11
33	Incomplete quenching of heat equations with absorption. <i>Applicable Analysis</i> , 2008, 87, 523-529.	1.3	10
34	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
35	Positive steady state solutions of a Leslie-Gower predator-prey model with Holling type II functional response and density-dependent diffusion. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2013, 82, 47-65.	1.1	10
36	Positive solutions for a Lotka-Volterra prey-predator model with cross-diffusion and Holling type-II functional response. <i>Science China Mathematics</i> , 2014, 57, 991-1010.	1.7	10

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37	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
38	Global asymptotical behavior and some new blow-up conditions of solutions to a thin-film equation. <i>Journal of Mathematical Analysis and Applications</i> , 2018, 464, 1290-1312.	1.0	10
39	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
40	Coexistence of a diffusive predator-prey model with Holling type-II functional response and density dependent mortality. <i>Journal of Mathematical Analysis and Applications</i> , 2012, 385, 913-927.	1.0	9
41	Blowup for degenerate and singular parabolic system with nonlocal source. <i>Boundary Value Problems</i> , 2006, 2006, 1-19.	0.7	8
42	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
43	Blow-up and global existence of solutions to a parabolic equation associated with the fraction $\frac{p}{q}$ -Laplacian. <i>Communications on Pure and Applied Analysis</i> , 2019, 18, 1205-1226.	0.8	8
44	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
45	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
46	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
47	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
48	Qualitative analysis of an autocatalytic chemical reaction model with decay. <i>Proceedings of the Royal Society of Edinburgh Section A: Mathematics</i> , 2014, 144, 427-446.	1.2	6
49	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
50	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
51	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
52	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
53	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
54	Global existence and blowup of solutions for a class of nonlinear higher-order wave equations. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2012, 63, 461-473.	1.4	5

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55	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
56	A new blow-up condition for a parabolic equation with singular potential. Journal of Mathematical Analysis and Applications, 2017, 449, 897-906.	1.0	5
57	Behavior of Solutions to a Fourth-Order Nonlinear Parabolic Equation with Logarithmic Nonlinearity. Applied Mathematics and Optimization, 2019, 84, 191.	1.6	5
58	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
59	Analysis of a pseudo-parabolic equation by potential wells. Annali Di Matematica Pura Ed Applicata, 2021, 200, 2741-2766.	1.0	5
60	Global existence and blow-up for a thermoelastic system with p -Laplacian. Applicable Analysis, 2022, 101, 6690-6708.	1.3	5
61	Blowup for a Kirchhoff-type parabolic equation with logarithmic nonlinearity. Analysis and Applications, 2022, 20, 1089-1101.	2.2	5
62	Time periodic solutions of porous medium equation. Mathematical Methods in the Applied Sciences, 2010, 33, n/a-n/a.	2.3	4
63	The second critical exponent for a nonlocal porous medium equation in \mathbb{R}^N . Applied Mathematics Letters, 2014, 38, 43-47.	2.7	4
64	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
65	Bifurcation analysis of the Oregonator model. Applied Mathematics Letters, 2016, 52, 192-198.	2.7	4
66	Quenching for a parabolic equation with variable coefficient modeling MEMS technology. Applied Mathematics and Computation, 2017, 314, 7-11.	2.2	4
67	Asymptotic behavior for a fourth-order parabolic equation involving the Hessian. Zeitschrift Fur Angewandte Mathematik Und Physik, 2018, 69, 1.	1.4	4
68	Infinite Time Blow-Up of Solutions for A Class of Logarithmic Wave Equations with Arbitrary High Initial Energy. Applied Mathematics and Optimization, 2021, 84, 1331-1343.	1.6	4
69	Well-Posedness of Solutions for the Sixth-Order Boussinesq Equation with Linear Strong Damping and Nonlinear Source. Journal of Nonlinear Science, 2021, 31, 1.	2.1	4
70	GLOBAL EXISTENCE AND BLOW-UP FOR NON-NEWTON POLYTROPIC FILTRATION SYSTEM COUPLED WITH LOCAL SOURCE. Glasgow Mathematical Journal, 2009, 51, 39-47.	0.3	3
71	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
72	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

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73	Positive solutions for a modified Leslie-Gower prey-predator model with Crowley-Martin functional responses. <i>Nonlinear Differential Equations and Applications</i> , 2014, 21, 621-661.	0.8	3
74	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
75	PATTERN FORMATION IN A GENERAL DEGN-HARRISON REACTION MODEL. <i>Bulletin of the Korean Mathematical Society</i> , 2017, 54, 655-666.	0.3	3
76	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
77	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
78	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
79	Coexistence of a three species predator-prey model with diffusion and density dependent mortality. <i>Rendiconti Del Circolo Matematico Di Palermo</i> , 2011, 60, 215-227.	1.3	2
80	Uniqueness of the positive solution for a non-cooperative model of nuclear reactors. <i>Applied Mathematics Letters</i> , 2013, 26, 1005-1007.	2.7	2
81	Global existence and blowup for a degenerate and singular parabolic system with nonlocal source and absorptions. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2014, 65, 449-469.	1.4	2
82	Global existence and blow-up of solutions to a class of nonlocal parabolic equations. <i>Computers and Mathematics With Applications</i> , 2019, 78, 979-996.	2.7	2
83	Global Existence, Finite Time Blow-Up, and Vacuum Isolating Phenomenon for a Class of Thin-Film Equation. <i>Journal of Dynamical and Control Systems</i> , 2020, 26, 265-288.	0.8	2
84	Lifespan, asymptotic behavior and ground-state solutions to a nonlocal parabolic equation. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2020, 71, 1.	1.4	2
85	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
86	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
87	The lifespan for 3D quasilinear wave equations with nonlinear damping terms. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2011, 74, 5455-5466.	1.1	1
88	On the Cauchy Problem for A Reaction-Diffusion System with Singular Nonlinearity. <i>Acta Mathematica Scientia</i> , 2013, 33, 1031-1048.	1.0	1
89	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
90	Blow-up of solutions to a parabolic system with nonlocal source. <i>Applicable Analysis</i> , 2018, 97, 825-841.	1.3	1

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91	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
92	Blow-up of solutions to a fourth-order parabolic equation with/without p-Laplacian and general nonlinearity modeling epitaxial growth. Analysis and Mathematical Physics, 2021, 11, 1.	1.3	1
93	Blow-up phenomena for the sixth-order Boussinesq equation with fourth-order dispersion term and nonlinear source. Discrete and Continuous Dynamical Systems - Series S, 2021, .	1.1	1
94	The Cauchy problem for Choquard equation with an inverse-square potential. Mathematical Methods in the Applied Sciences, 2022, 45, 2007-2023.	2.3	1
95	Infinite Time Blow-Up of Solutions to a Fourth-Order Nonlinear Parabolic Equation with Logarithmic Nonlinearity Modeling Epitaxial Growth. Mediterranean Journal of Mathematics, 2021, 18, 1.	0.8	1
96	Non-simultaneous blow-up for a reaction-diffusion system with absorption and coupled boundary flux. Electronic Journal of Qualitative Theory of Differential Equations, 2010, , 1-10.	0.5	1
97	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
98	Sufficient and necessary condition for the blowing-up solution to a class of coupled pseudo-parabolic equations. Applied Mathematics Letters, 2022, 128, 107886.	2.7	1
99	Asymptotic analysis to blow-up points for the porous medium equation with a weighted non-local source. Applicable Analysis, 2009, 88, 111-120.	1.3	0
100	Global Existence and Blowup for a Reaction-Diffusion System with Nonlocal Boundary Condition. ISRN Mathematical Analysis, 2013, 2013, 1-9.	0.4	0
101	Positive solutions of a diffusive predator-prey mutualist model with cross-diffusion. Topological Methods in Nonlinear Analysis, 2015, , 1.	0.2	0
102	Qualitative analysis of a producer-scrounger model. Journal of Mathematical Analysis and Applications, 2016, 440, 33-47.	1.0	0
103	Comments on the paper "Asymptotic behavior for a fourth-order parabolic equation involving the Hessian. Z. Angew. Math. Phys., (2018) 69: 147-152. Zeitschrift Fur Angewandte Mathematik Und Physik, 2019, 70, 1.	1.4	0
104	Fast rate of dead core for fast diffusion equation with strong absorption. Communications on Pure and Applied Analysis, 2010, 9, 397-411.	0.8	0
105	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
106	MULTIPLE SOLUTIONS FOR A p-LAPLACIAN SYSTEM WITH NONLINEAR BOUNDARY CONDITIONS. Bulletin of the Korean Mathematical Society, 2014, 51, 99-113.	0.3	0
107	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
108	Coexistence states of diffusive predator-prey systems with preys competition and predator saturation. Topological Methods in Nonlinear Analysis, 2015, 45, 509.	0.2	0

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109	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
110	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
111	Boundedness and Exponential Stability of Neutral-type Stochastic Hybrid Systems. , 2021, , .		0