

Sining Zheng

List of Publications by Year in descending order

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all docs

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docs citations

100
times ranked

239
citing authors

#	ARTICLE	IF	CITATIONS
1	Boundedness in a quasilinear fully parabolic Keller-Segel system of higher dimension with logistic source. <i>Journal of Mathematical Analysis and Applications</i> , 2015, 430, 585-591.	0.5	68
2	Nonexistence of Positive Solutions to a Semilinear Elliptic System and Blow-up Estimates for a Reaction-Diffusion System. <i>Journal of Mathematical Analysis and Applications</i> , 1999, 232, 293-311.	0.5	66
3	Boundedness of solutions to a quasilinear parabolic-elliptic Keller-Segel system with logistic source. <i>Mathematical Methods in the Applied Sciences</i> , 2014, 37, 2326-2330.	1.2	54
4	Convergence rate estimates of solutions in a higher dimensional chemotaxis system with logistic source. <i>Journal of Mathematical Analysis and Applications</i> , 2016, 436, 970-982.	0.5	51
5	Critical Fujita exponents for degenerate parabolic equations coupled via nonlinear boundary flux. <i>Journal of Mathematical Analysis and Applications</i> , 2004, 298, 308-324.	0.5	46
6	Criteria on global boundedness versus finite time blow-up to a two-species chemotaxis system with two chemicals. <i>Nonlinearity</i> , 2018, 31, 502-514.	0.6	46
7	Global existence and global non-existence of solutions to a reaction-diffusion system. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2000, 39, 327-340.	0.6	44
8	Critical Fujita exponents of degenerate and singular parabolic equations. <i>Proceedings of the Royal Society of Edinburgh Section A: Mathematics</i> , 2006, 136, 415-430.	0.8	42
9	Blow-up versus extinction in a nonlocal p-Laplace equation with Neumann boundary conditions. <i>Journal of Mathematical Analysis and Applications</i> , 2014, 412, 326-333.	0.5	39
10	Finite time blow-up of nonradial solutions in an attraction-repulsion chemotaxis system. <i>Nonlinear Analysis: Real World Applications</i> , 2017, 34, 335-342.	0.9	39
11	Global boundedness to a chemotaxis system with singular sensitivity and logistic source. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2017, 68, 1.	0.7	36
12	Protection zone in a diffusive predator-prey model with Beddington-DeAngelis functional response. <i>Journal of Mathematical Biology</i> , 2017, 75, 239-257.	0.8	31
13	Positive effects of repulsion on boundedness in a fully parabolic attraction-repulsion chemotaxis system with logistic source. <i>Journal of Differential Equations</i> , 2018, 264, 2011-2027.	1.1	31
14	Roles of weight functions in a nonlinear nonlocal parabolic system. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2008, 68, 2406-2416.	0.6	30
15	Critical Fujita exponents for a class of quasilinear equations with homogeneous Neumann boundary data. <i>Nonlinearity</i> , 2007, 20, 1343-1359.	0.6	29
16	Second critical exponent and life span for pseudo-parabolic equation. <i>Journal of Differential Equations</i> , 2012, 253, 3286-3303.	1.1	28
17	Global existence and boundedness of solutions to a chemotaxis system with singular sensitivity and logistic-type source. <i>Journal of Differential Equations</i> , 2019, 267, 826-865.	1.1	28
18	Large time behaviour of solutions to a class of quasilinear parabolic equations with convection terms. <i>Nonlinearity</i> , 2008, 21, 2179-2200.	0.6	26

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19	Blow-up rates in a parabolic system of ignition model. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2002, 51, 663-672.	0.6	24
20	Asymptotic stability in a fully parabolic quasilinear chemotaxis model with general logistic source and signal production. <i>Journal of Differential Equations</i> , 2020, 268, 6729-6777.	1.1	24
21	Critical exponents and asymptotic estimates of solutions to parabolic systems with localized nonlinear sources. <i>Journal of Mathematical Analysis and Applications</i> , 2004, 292, 621-635.	0.5	23
22	Existence and asymptotic behavior of solutions to a nonlinear parabolic equation of fourth order. <i>Journal of Mathematical Analysis and Applications</i> , 2008, 348, 234-243.	0.5	20
23	Critical exponent for parabolic system with time-weighted sources in bounded domain. <i>Journal of Functional Analysis</i> , 2013, 265, 941-952.	0.7	20
24	Global boundedness in quasilinear attraction–repulsion chemotaxis system with logistic source. <i>Nonlinear Analysis: Real World Applications</i> , 2016, 30, 1-15.	0.9	20
25	An attraction-repulsion chemotaxis system with nonlinear productions. <i>Journal of Mathematical Analysis and Applications</i> , 2020, 484, 123703.	0.5	19
26	Blow-up analysis for a quasilinear parabolic system with multi-coupled nonlinearities. <i>Journal of Mathematical Analysis and Applications</i> , 2003, 281, 739-756.	0.5	18
27	Simultaneous and non-simultaneous blow-up for heat equations with coupled nonlinear boundary fluxes. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2007, 58, 717-735.	0.7	18
28	Blow-up analysis for a nonlinear diffusion system. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2005, 56, 1-10.	0.7	17
29	Critical mass for an attraction–repulsion chemotaxis system. <i>Applicable Analysis</i> , 2018, 97, 2349-2354.	0.6	17
30	Boundedness in a fully parabolic chemotaxis system with logistic-type source and nonlinear production. <i>Nonlinear Analysis: Real World Applications</i> , 2019, 47, 473-483.	0.9	17
31	Non-simultaneous blow-up for a multi-coupled reaction-diffusion system. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2006, 64, 1189-1202.	0.6	15
32	Asymptotic estimates of boundary blow-up solutions to the infinity Laplace equations. <i>Journal of Differential Equations</i> , 2014, 256, 3721-3742.	1.1	15
33	Global and nonglobal weak solutions to a degenerate parabolic system. <i>Journal of Mathematical Analysis and Applications</i> , 2006, 324, 177-198.	0.5	14
34	Cauchy problem for fast diffusion equation with localized reaction. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2011, 74, 2508-2514.	0.6	13
35	Global boundedness in an attraction–repulsion chemotaxis system with logistic source. <i>Applied Mathematics Letters</i> , 2018, 83, 1-6.	1.5	13
36	Global boundedness of solutions to a reaction-diffusion system. <i>Mathematical Methods in the Applied Sciences</i> , 1999, 22, 43-54.	1.2	12

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37	A semilinear parabolic system with coupling variable exponents. <i>Annali Di Matematica Pura Ed Applicata</i> , 2011, 190, 525-537.	0.5	12
38	Second critical exponent for evolution $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" display="inline" overflow="scroll" \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -Laplacian equation with weighted source. <i>Mathematical and Computer Modelling</i> , 2012, 56, 247-256.	2.0	12
39	Blow-up estimates for system of heat equations coupled via nonlinear boundary flux. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2003, 54, 251-259.	0.6	11
40	Blow-Up Rate and Profile for a Degenerate Parabolic System Coupled via Nonlocal Sources. <i>Computers and Mathematics With Applications</i> , 2006, 52, 1387-1402.	1.4	11
41	A quasilinear reaction-diffusion system coupled via nonlocal sources. <i>Applied Mathematics and Computation</i> , 2006, 180, 295-308.	1.4	11
42	Asymptotic behavior to a chemotaxis consumption system with singular sensitivity. <i>Mathematical Methods in the Applied Sciences</i> , 2018, 41, 2615-2624.	1.2	11
43	Critical exponents for a nonlinear diffusion system. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2007, 67, 1190-1210.	0.6	10
44	Large time behavior of solutions to a quasilinear attractionâ€“repulsion chemotaxis system with logistic source. <i>Nonlinear Analysis: Real World Applications</i> , 2020, 54, 103095.	0.9	9
45	Coexistence solutions for a reactionâ€“diffusion system of un-stirred chemostat model. <i>Applied Mathematics and Computation</i> , 2003, 145, 579-590.	1.4	8
46	CRITICAL EXPONENTS FOR A REACTIONâ€“DIFFUSION MODEL WITH ABSORPTIONS AND COUPLED BOUNDARY FLUX. <i>Proceedings of the Edinburgh Mathematical Society</i> , 2005, 48, 241-252.	0.2	8
47	Asymptotic behavior for a reaction-diffusion equation with inner absorption and boundary flux. <i>Applied Mathematics Letters</i> , 2006, 19, 942-948.	1.5	8
48	Fujita phenomena in nonlinear pseudo-parabolic system. <i>Science China Mathematics</i> , 2014, 57, 555-568.	0.8	8
49	Global boundedness of solutions to a quasilinear parabolicâ€“parabolic Kellerâ€“Segel system with logistic source. <i>Applied Mathematics Letters</i> , 2016, 52, 15-20.	1.5	8
50	Multinonlinear interactions in quasi-linear reaction-diffusion equations with nonlinear boundary flux. <i>Mathematical and Computer Modelling</i> , 2004, 39, 133-144.	2.0	7
51	Interactions among multi-nonlinearties in a nonlinear diffusion system with absorptions and nonlinear boundary flux. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2004, 57, 519-530.	0.6	7
52	Blow-up rate estimates for a doubly coupled reactionâ€“diffusion system. <i>Journal of Mathematical Analysis and Applications</i> , 2005, 312, 576-595.	0.5	7
53	Non-simultaneous blow-up in a reaction-diffusion system. <i>Applied Mathematics and Computation</i> , 2006, 180, 309-317.	1.4	7
54	Quenching rates for heat equations with coupled singular nonlinear boundary flux. <i>Science in China Series A: Mathematics</i> , 2008, 51, 1631-1643.	0.5	7

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55	Quenching behavior of solutions to heat equations with coupled boundary singularities. Applied Mathematics and Computation, 2008, 206, 403-412.	1.4	7
56	Blow-up time estimate for a degenerate diffusion equation with gradient absorption. Applied Mathematics and Computation, 2015, 251, 331-335.	1.4	7
57	Global weak solutions for a 3D chemotaxis-Stokes system with slow p-Laplacian diffusion and rotation. Nonlinear Analysis: Real World Applications, 2020, 56, 103163.	0.9	7
58	Simultaneous and non-simultaneous blow-up for a cross-coupled parabolic system. Journal of Mathematical Analysis and Applications, 2007, 326, 414-431.	0.5	6
59	Large time behavior of solutions to a degenerate parabolic equation not in divergence form. Journal of Mathematical Analysis and Applications, 2011, 373, 252-263.	0.5	6
60	The critical Fujita exponent for the fast diffusion equation with potential. Journal of Mathematical Analysis and Applications, 2013, 398, 879-885.	0.5	6
61	Critical Fujita curve for a semilinear parabolic system with time-weighted sources. Applicable Analysis, 2014, 93, 597-605.	0.6	6
62	A nonlinear diffusion system with convection. Nonlinear Analysis: Theory, Methods & Applications, 2005, 63, 123-135.	0.6	5
63	Asymptotic analysis to a parabolic equation with a weighted localized source. Applied Mathematics and Computation, 2008, 197, 819-827.	1.4	5
64	A food chain model for two resources in un-stirred chemostat. Applied Mathematics and Computation, 2008, 206, 389-402.	1.4	5
65	Exponential decay to a quantum hydrodynamic model for semiconductors. Nonlinear Analysis: Real World Applications, 2008, 9, 326-337.	0.9	5
66	Fujita-type conditions for fast diffusion equation with variable source. Applicable Analysis, 2009, 88, 1651-1663.	0.6	5
67	A competition model for two resources in un-stirred chemostat. Applied Mathematics and Computation, 2011, 217, 6934-6949.	1.4	5
68	Blow-up rate for a nonlinear diffusion equation. Applied Mathematics Letters, 2006, 19, 1385-1389.	1.5	4
69	Blow-up properties of solutions for a multi-coupled parabolic system. Nonlinear Analysis: Theory, Methods & Applications, 2008, 68, 288-303.	0.6	4
70	Propagations of singularities in a parabolic system with coupling nonlocal sources. Science in China Series A: Mathematics, 2009, 52, 181-194.	0.5	4
71	A hyperbolic-elliptic system of an attraction-repulsion chemotaxis model with nonlinear productions. Journal of Evolution Equations, 2018, 18, 973-1001.	0.6	4
72	Asymptotic analysis for a localized nonlinear diffusion equation. Computers and Mathematics With Applications, 2008, 56, 2294-2304.	1.4	3

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73	Asymptotic analysis of a coupled nonlinear parabolic system. <i>Frontiers of Mathematics in China</i> , 2008, 3, 87-99.	0.4	3
74	Note on a nonlinear diffusion system with convection. <i>Applied Mathematics and Computation</i> , 2009, 214, 41-47.	1.4	3
75	Fujita phenomenon in inhomogeneous fast diffusion system. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2013, 64, 311-319.	0.7	3
76	Asymptotic boundary estimates to infinity Laplace equations with \hat{r}^{α} -varying nonlinearity. <i>Journal of Mathematical Analysis and Applications</i> , 2016, 436, 39-65.	0.5	3
77	Global boundedness of weak solutions to a fully parabolic chemotaxis system with p-Laplacian diffusion and logistic-type source. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2021, 72, 1.	0.7	3
78	Critical exponents in a parabolic system with inner absorption and coupled nonlinear boundary flux. <i>Applied Mathematics and Computation</i> , 2004, 154, 567-581.	1.4	2
79	Critical exponents in a degenerate parabolic equation with weighted source. <i>Applicable Analysis</i> , 2013, 92, 814-830.	0.6	2
80	A reaction-diffusion system with mixed-type coupling. <i>Applied Mathematics and Computation</i> , 2013, 219, 4219-4224.	1.4	2
81	Propagation profile of support for evolution p-Laplacian with convection in half space. <i>Journal of Mathematical Analysis and Applications</i> , 2014, 416, 710-723.	0.5	2
82	Strong solutions to the Cauchy problem of two-dimensional incompressible fluid models of Korteweg type. <i>Journal of Mathematical Analysis and Applications</i> , 2018, 465, 1075-1093.	0.5	2
83	Critical Boundary Source Exponent in a Doubly Degenerate Parabolic Equation. <i>Advanced Nonlinear Studies</i> , 2008, 8, 603-617.	0.7	1
84	Multiple blow-up rates in a coupled heat system with mixed-type nonlinearities. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2009, 70, 2176-2197.	0.6	1
85	Effects of reactive gradient term in a multi-nonlinear parabolic problem. <i>Journal of Differential Equations</i> , 2009, 247, 1980-1992.	1.1	1
86	Total versus single point blow-up in a localized heat system. <i>Frontiers of Mathematics in China</i> , 2010, 5, 341-359.	0.4	1
87	Infinite Fujita exponents for nonlinear diffusion equations with localized sources. <i>Nonlinear Analysis: Real World Applications</i> , 2010, 11, 2136-2140.	0.9	1
88	Global attractor for a three-species predator-prey model with cross-diffusion. <i>Mathematische Nachrichten</i> , 2011, 284, 2175-2183.	0.4	1
89	Fujita-Liouville type theorem for coupled fourth-order parabolic inequalities. <i>Chinese Annals of Mathematics Series B</i> , 2012, 33, 107-112.	0.2	1
90	Quenching behavior of solutions in coupled heat equations with singular multi-nonlinearities. <i>Applied Mathematics and Computation</i> , 2013, 223, 401-410.	1.4	1

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91	Global existence versus blow-up in a high dimensional Keller–Segel equation with degenerate diffusion and nonlocal aggregation. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2015, 116, 1-18.	0.6	1
92	Asymptotic behavior of solutions to a degenerate parabolic equation with a gradient source term. <i>Asymptotic Analysis</i> , 2015, 91, 91-102.	0.2	1
93	Liouville type theorem for higher-order elliptic system with Navier boundary condition. <i>Nonlinear Differential Equations and Applications</i> , 2015, 22, 311-324.	0.4	1
94	Second critical exponent for a higher-order semilinear parabolic system. <i>Science China Mathematics</i> , 2015, 58, 1453-1460.	0.8	1
95	Global attractors in a two-species chemotaxis system with two chemicals and logistic sources. <i>Journal of Mathematical Analysis and Applications</i> , 2022, 508, 125861.	0.5	1
96	Non-simultaneous versus simultaneous blow-up for coupled heat equations with positive–negative sources. <i>Applied Mathematics and Computation</i> , 2008, 202, 141-145.	1.4	0
97	Non-simultaneous blow-up in coupled heat equations with multi-nonlinearties. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2009, 70, 4165-4177.	0.6	0
98	Multiple absorption-related blow-up rates to a coupled heat system. <i>Journal of Mathematical Analysis and Applications</i> , 2009, 355, 739-749.	0.5	0
99	A doubly degenerate diffusion system multi-coupled via inner and boundary sources. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2011, 62, 1083-1099.	0.7	0
100	Uniqueness of weak solutions to a high dimensional Keller–Segel equation with degenerate diffusion and nonlocal aggregation. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2016, 134, 204-214.	0.6	0