

Yuanwei Qi

List of Publications by Year in descending order

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31
papers

289
citations

933447

10
h-index

888059

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all docs

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docs citations

31
times ranked

135
citing authors

#	ARTICLE	IF	CITATIONS
1	Sharp Estimates on Minimum Travelling Wave Speed of Reaction Diffusion Systems Modelling Autocatalysis. <i>SIAM Journal on Mathematical Analysis</i> , 2007, 39, 437-448.	1.9	39
2	A strongly coupled predator-prey system with non-monotonic functional response. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2007, 67, 1966-1979.	1.1	39
3	On non-Newtonian lubrication with the upper convected Maxwell model. <i>Applied Mathematical Modelling</i> , 2011, 35, 2309-2323.	4.2	23
4	Travelling waves of auto-catalytic chemical reaction of general order-An elliptic approach. <i>Journal of Differential Equations</i> , 2009, 246, 3038-3057.	2.2	22
5	The self-similar profiles of generalized KPZ equation. <i>Pacific Journal of Mathematics</i> , 2001, 201, 223-240.	0.5	21
6	Propagation of Local Disturbances in Reaction Diffusion Systems Modeling Quadratic Autocatalysis. <i>SIAM Journal on Applied Mathematics</i> , 2008, 69, 273-282.	1.8	19
7	The development of travelling waves in cubic auto-catalysis with different rates of diffusion. <i>Physica D: Nonlinear Phenomena</i> , 2007, 226, 129-135.	2.8	16
8	The study of global stability of a diffusive Holling-Tanner predator-prey model. <i>Applied Mathematics Letters</i> , 2016, 57, 132-138.	2.7	14
9	Existence and non-existence of global solutions of diffusion systems with nonlinear boundary conditions. <i>Proceedings of the Royal Society of Edinburgh Section A: Mathematics</i> , 2004, 134, 1199-1217.	1.2	13
10	Self-similar singular solutions of a p-Laplacian evolution equation with absorption. <i>Journal of Differential Equations</i> , 2003, 190, 1-15.	2.2	12
11	Singular solutions of parabolic p -Laplacian with absorption. <i>Transactions of the American Mathematical Society</i> , 2007, 359, 5653-5668.	0.9	10
12	Existence of traveling waves of auto-catalytic systems with decay. <i>Journal of Differential Equations</i> , 2016, 260, 7982-7999.	2.2	9
13	Traveling Wave to Non-KPP Isothermal Diffusion Systems: Existence of Minimum Speed and Sharp Bounds. <i>SIAM Journal on Mathematical Analysis</i> , 2019, 51, 1436-1453.	1.9	8
14	Propagation dynamics of a time periodic diffusion equation with degenerate nonlinearity. <i>Nonlinear Analysis: Real World Applications</i> , 2019, 45, 376-400.	1.7	7
15	The existence of minimum speed of traveling wave solutions to a non-KPP isothermal diffusion system. <i>Journal of Differential Equations</i> , 2017, 263, 1695-1707.	2.2	5
16	The Role of Delay and Degeneracy on Propagation Dynamics in Diffusion Equations. <i>Journal of Dynamics and Differential Equations</i> , 2022, 34, 2371-2404.	1.9	5
17	Universal self-similarity of porous media equation with absorption: the critical exponent case. <i>Journal of Differential Equations</i> , 2004, 198, 442-463.	2.2	4
18	Classification of singular solutions of porous media equations with absorption. <i>Proceedings of the Royal Society of Edinburgh Section A: Mathematics</i> , 2005, 135, 563-584.	1.2	4

#	ARTICLE	IF	CITATIONS
19	Traveling waves solutions of isothermal chemical systems with decay. Journal of Differential Equations, 2015, 258, 669-695.	2.2	3
20	Blow-up of p-Laplacian evolution equations with variable source power. Science China Mathematics, 2017, 60, 469-490.	1.7	3
21	Existence of Traveling Waves of General Gray-Scott Models. Journal of Dynamics and Differential Equations, 2018, 30, 1469-1487.	1.9	3
22	Computational Study of Traveling Wave Solutions of Isothermal Chemical Systems. Communications in Computational Physics, 2016, 19, 1461-1472.	1.7	2
23	The travelling wave of Gray-Scott systems “ existence, multiplicity and stability. Journal of Biological Dynamics, 2017, 11, 379-399.	1.7	2
24	Global stability of Leslie-type predator-prey model. Methods and Applications of Analysis, 2016, 23, 259-268.	0.5	2
25	Existence of positive solutions to an elliptic system with coupled nonlinearity”. Applicable Analysis, 2008, 87, 385-400.	1.3	1
26	Traveling waves solutions to general isothermal diffusion systems. Nonlinear Analysis: Real World Applications, 2015, 26, 1-18.	1.7	1
27	Convergence of solutions of the weighted Allen-Cahn equations to Brakke type flow. Calculus of Variations and Partial Differential Equations, 2018, 57, 1.	1.7	1
28	Mathematical analysis of a tumor invasion model”global existence and stability. Nonlinear Analysis: Real World Applications, 2021, 61, 103297.	1.7	1
29	Classification of singular solutions of porous media equations with absorption. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2005, 135, 563-584.	1.2	0
30	The existence and non-existence of travelling front in high order auto-catalysis chemical reaction. Science China Mathematics, 2012, 55, 1761-1768.	1.7	0
31	Existence and nonexistence of travelling waves of a reaction”diffusion system. Journal of Mathematical Analysis and Applications, 2013, 401, 130-139.	1.0	0