

# Yuanwei Qi

## List of Publications by Year in descending order

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31  
papers

289  
citations

933447

10  
h-index

888059

17  
g-index

31  
all docs

31  
docs citations

31  
times ranked

135  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Mathematical analysis of a tumor invasion model—global existence and stability. <i>Nonlinear Analysis: Real World Applications</i> , 2021, 61, 103297.	1.7	1
3	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
4	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
5	Existence of Traveling Waves of General Gray-Scott Models. <i>Journal of Dynamics and Differential Equations</i> , 2018, 30, 1469-1487.	1.9	3
6	Convergence of solutions of the weighted Allen—Cahn equations to Brakke type flow. <i>Calculus of Variations and Partial Differential Equations</i> , 2018, 57, 1.	1.7	1
7	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
8	Blow-up of p-Laplacian evolution equations with variable source power. <i>Science China Mathematics</i> , 2017, 60, 469-490.	1.7	3
9	The travelling wave of Gray-Scott systems — existence, multiplicity and stability. <i>Journal of Biological Dynamics</i> , 2017, 11, 379-399.	1.7	2
10	Computational Study of Traveling Wave Solutions of Isothermal Chemical Systems. <i>Communications in Computational Physics</i> , 2016, 19, 1461-1472.	1.7	2
11	Existence of traveling waves of auto-catalytic systems with decay. <i>Journal of Differential Equations</i> , 2016, 260, 7982-7999.	2.2	9
12	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
13	Global stability of Leslie-type predator-prey model. <i>Methods and Applications of Analysis</i> , 2016, 23, 259-268.	0.5	2
14	Traveling waves solutions to general isothermal diffusion systems. <i>Nonlinear Analysis: Real World Applications</i> , 2015, 26, 1-18.	1.7	1
15	Traveling waves solutions of isothermal chemical systems with decay. <i>Journal of Differential Equations</i> , 2015, 258, 669-695.	2.2	3
16	Existence and nonexistence of travelling waves of a reaction—diffusion system. <i>Journal of Mathematical Analysis and Applications</i> , 2013, 401, 130-139.	1.0	0
17	The existence and non-existence of travelling front in high order auto-catalysis chemical reaction. <i>Science China Mathematics</i> , 2012, 55, 1761-1768.	1.7	0
18	On non-Newtonian lubrication with the upper convected Maxwell model. <i>Applied Mathematical Modelling</i> , 2011, 35, 2309-2323.	4.2	23

#	ARTICLE	IF	CITATIONS
19	Travelling waves of auto-catalytic chemical reaction of general order—An elliptic approach. Journal of Differential Equations, 2009, 246, 3038-3057.	2.2	22
20	Propagation of Local Disturbances in Reaction Diffusion Systems Modeling Quadratic Autocatalysis. SIAM Journal on Applied Mathematics, 2008, 69, 273-282.	1.8	19
21	Existence of positive solutions to an elliptic system with coupled nonlinearity. Applicable Analysis, 2008, 87, 385-400.	1.3	1
22	Sharp Estimates on Minimum Travelling Wave Speed of Reaction Diffusion Systems Modelling Autocatalysis. SIAM Journal on Mathematical Analysis, 2007, 39, 437-448.	1.9	39
23	Singular solutions of parabolic $p$ -Laplacian with absorption. Transactions of the American Mathematical Society, 2007, 359, 5653-5668.	0.9	10
24	A strongly coupled predator-prey system with non-monotonic functional response. Nonlinear Analysis: Theory, Methods & Applications, 2007, 67, 1966-1979.	1.1	39
25	The development of travelling waves in cubic auto-catalysis with different rates of diffusion. Physica D: Nonlinear Phenomena, 2007, 226, 129-135.	2.8	16
26	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
27	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	4
28	Existence and non-existence of global solutions of diffusion systems with nonlinear boundary conditions. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2004, 134, 1199-1217.	1.2	13
29	Universal self-similarity of porous media equation with absorption: the critical exponent case. Journal of Differential Equations, 2004, 198, 442-463.	2.2	4
30	Self-similar singular solutions of a $p$ -Laplacian evolution equation with absorption. Journal of Differential Equations, 2003, 190, 1-15.	2.2	12
31	The self-similar profiles of generalized KPZ equation. Pacific Journal of Mathematics, 2001, 201, 223-240.	0.5	21