

# Maolin Zhou

## List of Publications by Year in descending order

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17  
papers

501  
citations

933447

10  
h-index

888059

17  
g-index

17  
all docs

17  
docs citations

17  
times ranked

93  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sharp Estimate of the Spreading Speed Determined by Nonlinear Free Boundary Problems. <i>SIAM Journal on Mathematical Analysis</i> , 2014, 46, 375-396.	1.9	109
2	Long time behavior of solutions of Fisher-KPP equation with advection and free boundaries. <i>Journal of Functional Analysis</i> , 2015, 269, 1714-1768.	1.4	89
3	Semi-wave and spreading speed for the diffusive competition model with a free boundary. <i>Journal Des Mathematiques Pures Et Appliquees</i> , 2017, 107, 253-287.	1.6	67
4	Spreading speed and profile for nonlinear Stefan problems in high space dimensions. <i>Journal Des Mathematiques Pures Et Appliquees</i> , 2015, 103, 741-787.	1.6	51
5	Nonlinear Diffusion Problems with Free Boundaries: Convergence, Transition Speed, and Zero Number Arguments. <i>SIAM Journal on Mathematical Analysis</i> , 2015, 47, 3555-3584.	1.9	38
6	Semi-wave and spreading speed of the nonlocal Fisher-KPP equation with free boundaries. <i>Journal Des Mathematiques Pures Et Appliquees</i> , 2021, 154, 30-66.	1.6	33
7	Asymptotic Behavior of Solutions of a Reaction Diffusion Equation with Free Boundary Conditions. <i>Journal of Dynamics and Differential Equations</i> , 2014, 26, 1007-1028.	1.9	25
8	The Fisher-KPP equation over simple graphs: varied persistence states in river networks. <i>Journal of Mathematical Biology</i> , 2020, 80, 1559-1616.	1.9	18
9	Long time behavior of solutions of a reaction-diffusion equation on unbounded intervals with Robin boundary conditions. <i>Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire</i> , 2016, 33, 67-92.	1.4	15
10	Monotonicity of the principal eigenvalue for a linear time-periodic parabolic operator. <i>Proceedings of the American Mathematical Society</i> , 2019, 147, 5291-5302.	0.8	15
11	Asymptotic Behavior of the Principal Eigenvalue of a Linear Second Order Elliptic Operator with Small/Large Diffusion Coefficient. <i>SIAM Journal on Mathematical Analysis</i> , 2019, 51, 4724-4753.	1.9	10
12	Logarithmic corrections in Fisher-KPP type porous medium equations. <i>Journal Des Mathematiques Pures Et Appliquees</i> , 2020, 136, 415-455.	1.6	8
13	Asymptotics of the Principal Eigenvalue for a Linear Time-Periodic Parabolic Operator I: Large Advection. <i>SIAM Journal on Mathematical Analysis</i> , 2021, 53, 5243-5277.	1.9	7
14	Asymptotics of the principal eigenvalue for a linear time-periodic parabolic operator II: Small diffusion. <i>Transactions of the American Mathematical Society</i> , 2021, 374, 4895-4930.	0.9	7
15	Spreading and Vanishing for Nonlinear Stefan Problems in High Space Dimensions. <i>Journal of Elliptic and Parabolic Equations</i> , 2016, 2, 297-321.	0.9	6
16	Refined estimates for the propagation speed of the transition solution to a free boundary problem with a nonlinearity of combustion type. <i>Journal of Differential Equations</i> , 2018, 265, 2897-2920.	2.2	2
17	Semi-waves with $\hat{\Gamma}$ -shaped free boundary for nonlinear Stefan problems: Existence. <i>Proceedings of the American Mathematical Society</i> , 2021, 149, 2091-2104.	0.8	1