

Yong-Jung Kim

List of Publications by Year in descending order

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papers

446
citations

933447

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713466

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citing authors

#	ARTICLE	IF	CITATIONS
1	Boundedness, Stabilization, and Pattern Formation Driven by Density-Suppressed Motility. <i>SIAM Journal on Applied Mathematics</i> , 2018, 78, 1632-1657.	1.8	99
2	Global Existence and Aggregation in a Keller–Segel Model with Fokker–Planck Diffusion. <i>Acta Applicandae Mathematicae</i> , 2017, 149, 101-123.	1.0	86
3	Starvation Driven Diffusion as a Survival Strategy of Biological Organisms. <i>Bulletin of Mathematical Biology</i> , 2013, 75, 845-870.	1.9	61
4	A logarithmic chemotaxis model featuring global existence and aggregation. <i>Nonlinear Analysis: Real World Applications</i> , 2019, 50, 562-582.	1.7	40
5	Evolution of Dispersal Toward Fitness. <i>Bulletin of Mathematical Biology</i> , 2013, 75, 2474-2498.	1.9	23
6	Global asymptotic stability and the ideal free distribution in a starvation driven diffusion. <i>Journal of Mathematical Biology</i> , 2014, 68, 1341-1370.	1.9	22
7	On the numerical solution of a driven thin film equation. <i>Journal of Computational Physics</i> , 2008, 227, 7246-7263.	3.8	16
8	Evolution of Dispersal with Starvation Measure and Coexistence. <i>Bulletin of Mathematical Biology</i> , 2016, 78, 254-279.	1.9	15
9	Asymptotic agreement of moments and higher order contraction in the Burgers equation. <i>Journal of Differential Equations</i> , 2010, 248, 2417-2434.	2.2	14
10	Bacterial chemotaxis without gradient-sensing. <i>Journal of Mathematical Biology</i> , 2015, 70, 1359-1380.	1.9	13
11	Diffusion of Biological Organisms: Fickian and Fokker–Planck Type Diffusions. <i>SIAM Journal on Applied Mathematics</i> , 2019, 79, 1501-1527.	1.8	8
12	Chemotactic traveling waves with compact support. <i>Journal of Mathematical Analysis and Applications</i> , 2020, 488, 124090.	1.0	8
13	Diffusive and inviscid traveling waves of the Fisher equation and nonuniqueness of wave speed. <i>Applied Mathematics Letters</i> , 2016, 60, 28-35.	2.7	7
14	Thermal Creep of a Rarefied Gas on the Basis of Non-linear Korteweg-Theory. <i>Archive for Rational Mechanics and Analysis</i> , 2015, 215, 353-379.	2.4	6
15	An explicit solution of Burgers equation with stationary point source. <i>Journal of Differential Equations</i> , 2014, 257, 2520-2542.	2.2	5
16	A Discrete Velocity Kinetic Model with Food Metric: Chemotaxis Traveling Waves. <i>Bulletin of Mathematical Biology</i> , 2017, 79, 277-302.	1.9	5
17	Dispersal towards food: the singular limit of an Allen–Cahn equation. <i>Journal of Mathematical Biology</i> , 2018, 76, 531-565.	1.9	5
18	Predator–prey equations with constant harvesting and planting. <i>Journal of Theoretical Biology</i> , 2018, 458, 47-57.	1.7	4

#	ARTICLE	IF	CITATIONS
19	Orthotropic conductivity reconstruction with virtualâ€resistive network and Faraday's law. <i>Mathematical Methods in the Applied Sciences</i> , 2016, 39, 1183-1196.	2.3	3
20	Discontinuous Nonlinearity and Finite Time Extinction. <i>SIAM Journal on Mathematical Analysis</i> , 2020, 52, 894-926.	1.9	2
21	Evolution of dietary diversity and a starvation driven cross-diffusion system as its singular limit. <i>Journal of Mathematical Biology</i> , 2021, 83, 58.	1.9	2
22	Dynamics in the fundamental solution of a non-convex conservation law. <i>Proceedings of the Royal Society of Edinburgh Section A: Mathematics</i> , 2016, 146, 169-193.	1.2	1
23	Inviscid traveling waves of monostable nonlinearity. <i>Applied Mathematics Letters</i> , 2017, 71, 51-58.	2.7	1