

Zhuolin Qu

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

113
citations

1478505

6
h-index

1281871

11
g-index

13
all docs

13
docs citations

13
times ranked

100
citing authors

#	ARTICLE	IF	CITATIONS
1	Fast and stable explicit operator splitting methods for phase-field models. <i>Journal of Computational Physics</i> , 2015, 303, 45-65.	3.8	32
2	Modeling the Transmission of <i>Wolbachia</i> in Mosquitoes for Controlling Mosquito-Borne Diseases. <i>SIAM Journal on Applied Mathematics</i> , 2018, 78, 826-852.	1.8	25
3	THREE-LAYER APPROXIMATION OF TWO-LAYER SHALLOW WATER EQUATIONS. <i>Mathematical Modelling and Analysis</i> , 2013, 18, 675-693.	1.5	17
4	Effect of screening young men for <i>Chlamydia trachomatis</i> on the rates among women: a network modelling study for high-prevalence communities. <i>BMJ Open</i> , 2021, 11, e040789.	1.9	8
5	A Fast Explicit Operator Splitting Method for Modified Buckley–Leverett Equations. <i>Journal of Scientific Computing</i> , 2015, 64, 837-857.	2.3	7
6	Adaptive Moving Mesh Central-Upwind Schemes for Hyperbolic System of PDEs: Applications to Compressible Euler Equations and Granular Hydrodynamics. <i>Communications on Applied Mathematics and Computation</i> , 2021, 3, 445-479.	1.7	7
7	Generating a Hierarchy of Reduced Models for a System of Differential Equations Modeling the Spread of <i>Wolbachia</i> in Mosquitoes. <i>SIAM Journal on Applied Mathematics</i> , 2019, 79, 1675-1699.	1.8	5
8	An Investigation of Human–Mosquito Contact Using Surveys and Its Application in Assessing Dengue Viral Transmission Risk. <i>Journal of Medical Entomology</i> , 2020, 57, 1942-1954.	1.8	4
9	Using an agent-based sexual-network model to analyze the impact of mitigation efforts for controlling chlamydia. <i>Epidemics</i> , 2021, 35, 100456.	3.0	3
10	Staged progression epidemic models for the transmission of invasive nontyphoidal <i>Salmonella</i> (iNTS) with treatment. <i>Mathematical Biosciences and Engineering</i> , 2021, 18, 1529-1549.	1.9	2
11	Sensitivity Analysis in an Immuno-Epidemiological Vector-Host Model. <i>Bulletin of Mathematical Biology</i> , 2022, 84, 27.	1.9	2
12	Cost-effectiveness of Check It: A Novel Community-Based Chlamydia Screening and Expedited Treatment Program for Young Black Men. <i>Clinical Infectious Diseases</i> , 2021, , .	5.8	1
13	Generating a heterosexual bipartite network embedded in social network. <i>Applied Network Science</i> , 2021, 6, 30.	1.5	0