Zhuolin Qu

List of Publications by Year
in descending order

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