

Biao Tang

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

38
papers

1,725
citations

15
h-index

41
g-index

43
ext. papers

2,238
ext. citations

4.1
avg, IF

5.76
L-index

#	Paper	IF	Citations
38	Estimation of the Transmission Risk of the 2019-nCoV and Its Implication for Public Health Interventions. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	707
37	An updated estimation of the risk of transmission of the novel coronavirus (2019-nCov). <i>Infectious Disease Modelling</i> , 2020 , 5, 248-255	15.7	378
36	The effectiveness of quarantine and isolation determine the trend of the COVID-19 epidemics in the final phase of the current outbreak in China. <i>International Journal of Infectious Diseases</i> , 2020 , 95, 288-293	10.5	138
35	Modeling the impact of mass influenza vaccination and public health interventions on COVID-19 epidemics with limited detection capability. <i>Mathematical Biosciences</i> , 2020 , 325, 108378	3.9	74
34	Holling II predator-prey impulsive semi-dynamic model with complex Poincaré map. <i>Nonlinear Dynamics</i> , 2015 , 81, 1575-1596	5	52
33	De-Escalation by Reversing the Escalation with a Stronger Synergistic Package of Contact Tracing, Quarantine, Isolation and Personal Protection: Feasibility of Preventing a COVID-19 Rebound in Ontario, Canada, as a Case Study. <i>Biology</i> , 2020 , 9,	4.9	29
32	Forecasting COVID-19-Associated Hospitalizations under Different Levels of Social Distancing in Lombardy and Emilia-Romagna, Northern Italy: Results from an Extended SEIR Compartmental Model. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	28
31	Quantifying the role of social distancing, personal protection and case detection in mitigating COVID-19 outbreak in Ontario, Canada. <i>Journal of Mathematics in Industry</i> , 2020 , 10, 15	2.9	28
30	Modelling weekly vector control against Dengue in the Guangdong Province of China. <i>Journal of Theoretical Biology</i> , 2016 , 410, 65-76	2.3	27
29	Implication of vaccination against dengue for Zika outbreak. <i>Scientific Reports</i> , 2016 , 6, 35623	4.9	26
28	Bifurcation analysis of a predator-prey model with anti-predator behaviour. <i>Chaos, Solitons and Fractals</i> , 2015 , 70, 58-68	9.3	23
27	A Feedback Control Model of Comprehensive Therapy for Treating Immunogenic Tumours. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2016 , 26, 1650039	2	20
26	Vaccination threshold size and backward bifurcation of SIR model with state-dependent pulse control. <i>Journal of Theoretical Biology</i> , 2018 , 455, 75-85	2.3	18
25	Piecewise virus-immune dynamic model with HIV-1 RNA-guided therapy. <i>Journal of Theoretical Biology</i> , 2015 , 377, 36-46	2.3	17
24	Lessons drawn from China and South Korea for managing COVID-19 epidemic: insights from a comparative modeling study		14
23	A piecewise model of virus-immune system with effector cell-guided therapy. <i>Applied Mathematical Modelling</i> , 2017 , 47, 227-248	4.5	13
22	Linking key intervention timing to rapid decline of the COVID-19 effective reproductive number to quantify lessons from mainland China. <i>International Journal of Infectious Diseases</i> , 2020 , 97, 296-298	10.5	12

21	Estimating the generation interval and inferring the latent period of COVID-19 from the contact tracing data. <i>Epidemics</i> , 2021 , 36, 100482	5.1	12
20	Stochastic discrete epidemic modeling of COVID-19 transmission in the Province of Shaanxi incorporating public health intervention and case importation		10
19	Lessons drawn from China and South Korea for managing COVID-19 epidemic: insights from a comparative modeling study		10
18	Modelling and Analyzing Virus Mutation Dynamics of Chikungunya Outbreaks. <i>Scientific Reports</i> , 2019 , 9, 2860	4.9	9
17	Quantifying the shift in social contact patterns in response to non-pharmaceutical interventions. <i>Journal of Mathematics in Industry</i> , 2020 , 10, 28	2.9	8
16	Modelling the impact of antibody-dependent enhancement on disease severity of Zika virus and dengue virus sequential and co-infection. <i>Royal Society Open Science</i> , 2020 , 7, 191749	3.3	7
15	Bifurcation Analysis of a Generalized Impulsive Kolmogorov Model With Applications to Pest and Disease Control. <i>SIAM Journal on Applied Mathematics</i> , 2020 , 80, 1796-1819	1.8	7
14	Global dynamics of a nonlinear state-dependent feedback control ecological model with a multiple-hump discrete map. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2019 , 79, 104900	3.7	5
13	A conceptual model for optimizing vaccine coverage to reduce vector-borne infections in the presence of antibody-dependent enhancement. <i>Theoretical Biology and Medical Modelling</i> , 2018 , 15, 13	2.3	5
12	A piecewise model of virus-immune system with two thresholds. <i>Mathematical Biosciences</i> , 2016 , 278, 63-76	3.9	4
11	Implication of sexual transmission of Zika on dengue and Zika outbreaks. <i>Mathematical Biosciences and Engineering</i> , 2019 , 16, 5092-5113	2.1	4
10	Canard Phenomenon in an SIRS Epidemic Model with Nonlinear Incidence Rate. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2020 , 30, 2050073	2	3
9	The State-Dependent Impulsive Model with Action Threshold Depending on the Pest Density and Its Changing Rate. <i>Complexity</i> , 2019 , 2019, 1-15	1.6	3
8	The challenges of the coming mass vaccination and exit strategy in prevention and control of COVID-19, a modelling study		3
7	Estimating the Instantaneous Asymptomatic Proportion With a Simple Approach: Exemplified With the Publicly Available COVID-19 Surveillance Data in Hong Kong. <i>Frontiers in Public Health</i> , 2021 , 9, 604435	6.5	3
6	Controlling multiple COVID-19 epidemic waves: an insight from a multi-scale model linking the behavior change dynamics to the disease transmission dynamics		2
5	Lessons drawn from China and South Korea for managing COVID-19 epidemic: Insights from a comparative modeling study.. <i>ISA Transactions</i> , 2021 ,	5.5	2
4	A novel hybrid model of tumor control, combining pulse surveillance with tumor size-guided therapies. <i>Applied Mathematical Modelling</i> , 2021 , 104, 259-259	4.5	1

3	Bifurcation and Dynamic Analyses of Non-monotonic Predator-Prey System with Constant Releasing Rate of Predators. <i>Qualitative Theory of Dynamical Systems</i> , 2022 , 21, 1	0.8	o
2	Modeling and analyzing cross-transmission dynamics of related information co-propagation. <i>Scientific Reports</i> , 2021 , 11, 268	4.9	o
1	Shrinkage in serial intervals across transmission generations of COVID-19. <i>Journal of Theoretical Biology</i> , 2021 , 529, 110861	2.3	