Jianhong Wu

List of Publications by Citations

42 papers	2,128 citations	16 h-index	43 g-index
43 ext. papers	2,624 ext. citations	3.1 avg, IF	5.95 L-index

#	Paper	IF	Citations
42	Estimation of the Transmission Risk of the 2019-nCoV and Its Implication for Public Health Interventions. *Journal of Clinical Medicine*, **2020**, 9,	5.1	707
41	An updated estimation of the risk of transmission of the novel coronavirus (2019-nCov). *Infectious Disease Modelling*, **2020**, 5, 248-255	15.7	378
40	Stability of nonlinear differential systems with state-dependent delayed impulses. *Automatica*, **2016**, 64, 63-69	5.7	254
39	Periodic Solutions of Single-Species Models with Periodic Delay. *SIAM Journal on Mathematical Analysis*, **1992**, 23, 689-701	1.7	156
38	The effectiveness of quarantine and isolation determine the trend of the COVID-19 epidemics in the final phase of the current outbreak in China. *International Journal of Infectious Diseases*, **2020**, 95, 288-293	10.5	138
37	A final size relation for epidemic models. *Mathematical Biosciences and Engineering*, **2007**, 4, 159-75	2.1	72
36	Developing a temperature-driven map of the basic reproductive number of the emerging tick vector of Lyme disease Ixodes scapularis in Canada. *Journal of Theoretical Biology*, **2013**, 319, 50-61	2.3	62
35	Exponential Stability of Nonlinear Systems With Delayed Impulses and Applications. *IEEE Transactions on Automatic Control*, **2019**, 64, 4024-4034	5.9	58
34	Global Hopf bifurcation for differential equations with state-dependent delay. *Journal of Differential Equations*, **2010**, 248, 2801-2840	2.1	35
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. *Biology*, **2020**, 9,	4.9	29
32	Quantifying the role of social distancing, personal protection and case detection in mitigating COVID-19 outbreak in Ontario, Canada. *Journal of Mathematics in Industry*, **2020**, 10, 15	2.9	28
31	Stage-structured population systems with temporally periodic delay. *Mathematical Methods in the Applied Sciences*, **2015**, 38, 3464-3481	2.3	24
30	Some Vector Borne Diseases with Structured Host Populations: Extinction and Spatial Spread. *SIAM Journal on Applied Mathematics*, **2007**, 67, 408-433	1.8	23
29	Impact of biodiversity and seasonality on Lyme-pathogen transmission. *Theoretical Biology and Medical Modelling*, **2014**, 11, 50	2.3	20
28	Analysis of an age structured model for tick populations subject to seasonal effects. *Journal of Differential Equations*, **2017**, 263, 2078-2112	2.1	18
27	CRITICAL CONTACT RATE FOR VECTOR–HOST–PATHOGEN OSCILLATION INVOLVING CO-FEEDING AND DIAPAUSE. *Journal of Biological Systems*, **2017**, 25, 657-675	1.6	16
26	Tick seeking assumptions and their implications for Lyme disease predictions. *Ecological Complexity* , **2014**, 17, 99-106	2.6	15

25	Modeling Lyme disease transmission. *Infectious Disease Modelling*, **2017**, 2, 229-243	15.7	10
24	Assessing systemic and non-systemic transmission risk of tick-borne encephalitis virus in Hungary. *PLoS ONE*, **2019**, 14, e0217206	3.7	10
23	Critical diapause portion for oscillations: Parametric trigonometric functions and their applications for Hopf bifurcation analyses. *Mathematical Methods in the Applied Sciences*, **2019**, 42, 1363-1376	2.3	9
22	The potential impact of climate change on the transmission risk of tick-borne encephalitis in Hungary. *BMC Infectious Diseases*, **2020**, 20, 34	4	9
21	Stability and persistence in ODE models for populations with many stages. *Mathematical Biosciences and Engineering*, **2015**, 12, 661-86	2.1	9
20	Quantifying the shift in social contact patterns in response to non-pharmaceutical interventions. *Journal of Mathematics in Industry*, **2020**, 10, 28	2.9	8
19	Complex dynamics in a delay differential equation with two delays in tick growth with diapause. *Journal of Differential Equations*, **2020**, 269, 10937-10963	2.1	7
18	Global population dynamics of a single species structured with distinctive time-varying maturation and self-limitation delays. *Discrete and Continuous Dynamical Systems - Series B*, **2021**,	1.3	6
17	Global Continuation of Periodic Oscillations to a Diapause Rhythm. *Journal of Dynamics and Differential Equations*, **2020**, 1	1.3	5
16	Implications of vector attachment and host grooming behaviour for vector population dynamics and distribution of vectors on their hosts. *Applied Mathematical Modelling*, **2020**, 81, 1-15	4.5	4
15	Multi-cycle Periodic Solutions of a Differential Equation with Delay that Switches Periodically. *Differential Equations and Dynamical Systems*, **2020**, 1	0.8	3
14	A window of opportunity for intensifying testing and tracing efforts to prevent new COVID-19 outbreaks due to more transmissible variants. *Canada Communicable Disease Report*, **2021**, 47, 329-338	3.1	3
13	A Model for Megakaryopoiesis with State-Dependent Delay. *SIAM Journal on Applied Mathematics*, **2019**, 79, 1218-1243	1.8	2
12	Transmission Dynamics of Tick-Borne Diseases with Co-Feeding, Developmental and Behavioural Diapause. *Lecture Notes on Mathematical Modelling in the Life Sciences*, **2020**,	0.3	2
11	Impact of influenza vaccine-modified infectivity on attack rate, case fatality ratio and mortality. *Journal of Theoretical Biology*, **2020**, 492, 110190	2.3	1
10	Modelling triatomine bug population and Trypanosoma rangeli transmission dynamics: Co-feeding, pathogenic effect and linkage with chagas disease. *Mathematical Biosciences*, **2020**, 324, 108326	3.9	1
9	Synchronized Tick Population Oscillations Driven by Host Mobility and Spatially Heterogeneous Developmental Delays Combined. *Bulletin of Mathematical Biology*, **2021**, 83, 61	2.1	1
8	Are host control strategies effective to eradicate tick-borne diseases (TBD)?. *Journal of Theoretical Biology*, **2021**, 508, 110483	2.3	1

7	Non-pharmaceutical intervention levels to reduce the COVID-19 attack ratio among children.. *Royal Society Open Science*, **2022**, 9, 211863	3.3	1
6	Optimal Reopening Pathways With COVID-19 Vaccine Rollout and Emerging Variants of Concern. *Frontiers in Public Health*, **2021**, 9, 729141	6	0
5	Long-term transmission dynamics of tick-borne diseases involving seasonal variation and co-feeding transmission. *Journal of Biological Dynamics*, **2021**, 15, 269-286	2.4	0
4	A patchy model for tick population dynamics with patch-specific developmental delays.. *Mathematical Biosciences and Engineering*, **2022**, 19, 5329-5360	2.1	0
3	Infestation Dynamics and Tick-on-Host Distribution Pattern Formation. *Lecture Notes on Mathematical Modelling in the Life Sciences*, **2020**, 79-101	0.3	
2	Oscillations Due To Diapause. *Lecture Notes on Mathematical Modelling in the Life Sciences*, **2020**, 103-136	0.3	
1	Estimating Infection Risk of Tick-Borne Encephalitis. *Lecture Notes on Mathematical Modelling in the Life Sciences*, **2020**, 37-49	0.3	