

Xia Wang

List of Publications by Citations

Source: <https://exaly.com/author-pdf/3153542/xia-wang-publications-by-citations.pdf>

Version: 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

57
papers

1,418
citations

16
h-index

37
g-index

60
ext. papers

1,773
ext. citations

3.3
avg, IF

5.4
L-index

#	Paper	IF	Citations
57	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
56	Mathematical analysis of an HIV latent infection model including both virus-to-cell infection and cell-to-cell transmission. <i>Journal of Biological Dynamics</i> , 2017 , 11, 455-483	2.4	46
55	Global properties of a delayed HIV infection model with CTL immune response. <i>Applied Mathematics and Computation</i> , 2012 , 218, 9405-9414	2.7	44
54	Global stability of a virus dynamics model with BeddingtonDeAngelis incidence rate and CTL immune response. <i>Nonlinear Dynamics</i> , 2011 , 66, 825-830	5	44
53	Measuring the impact of air pollution on respiratory infection risk in China. <i>Environmental Pollution</i> , 2018 , 232, 477-486	9.3	39
52	Effect of prey refuge on a harvested predator-prey model with generalized functional response. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2011 , 16, 1052-1059	3.7	39
51	A delayed HIV-1 infection model with BeddingtonDeAngelis functional response. <i>Nonlinear Dynamics</i> , 2010 , 62, 67-72	5	37
50	A class of delayed viral models with saturation infection rate and immune response. <i>Mathematical Methods in the Applied Sciences</i> , 2013 , 36, 125-142	2.3	36
49	Evaluation and prediction of the COVID-19 variations at different input population and quarantine strategies, a case study in Guangdong province, China. <i>International Journal of Infectious Diseases</i> , 2020 , 95, 231-240	10.5	34
48	Mathematical models for the control of a pest population by infected pest. <i>Computers and Mathematics With Applications</i> , 2008 , 56, 266-278	2.7	27
47	Global stability and periodic solution of a model for HIV infection of CD4+ T cells. <i>Applied Mathematics and Computation</i> , 2007 , 189, 1331-1340	2.7	24
46	Analysis of HIV models with two time delays. <i>Journal of Biological Dynamics</i> , 2017 , 11, 40-64	2.4	22
45	LYAPUNOV FUNCTION AND GLOBAL PROPERTIES OF VIRUS DYNAMICS WITH CTL IMMUNE RESPONSE. <i>International Journal of Biomathematics</i> , 2008 , 01, 443-448	1.8	20
44	A stage structured mosquito model incorporating effects of precipitation and daily temperature fluctuations. <i>Journal of Theoretical Biology</i> , 2016 , 411, 27-36	2.3	19
43	Dynamics of an HIV Model with Multiple Infection Stages and Treatment with Different Drug Classes. <i>Bulletin of Mathematical Biology</i> , 2016 , 78, 322-49	2.1	17
42	Age-Structured Within-Host HIV Dynamics with Multiple Target Cells. <i>Studies in Applied Mathematics</i> , 2017 , 138, 43-76	2.1	16
41	Mathematical model for the control of a pest population with impulsive perturbations on diseased pest. <i>Applied Mathematical Modelling</i> , 2009 , 33, 3099-3106	4.5	16

40	A general model of hormesis in biological systems and its application to pest management. <i>Journal of the Royal Society Interface</i> , 2019 , 16, 20190468	4.1	15
39	Hopf bifurcation in a CTL-inclusive HIV-1 infection model with two time delays. <i>Mathematical Biosciences and Engineering</i> , 2019 , 16, 2587-2612	2.1	15
38	Pulse vaccination on SEIR epidemic model with nonlinear incidence rate. <i>Applied Mathematics and Computation</i> , 2009 , 210, 398-404	2.7	14
37	Lessons drawn from China and South Korea for managing COVID-19 epidemic: insights from a comparative modeling study		14
36	Analysis of pest-epidemic model by releasing diseased pest with impulsive transmission. <i>Nonlinear Dynamics</i> , 2011 , 65, 175-185	5	13
35	Impact of Hospital Bed Shortages on the Containment of COVID-19 in Wuhan. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	12
34	Influence of raltegravir intensification on viral load and 2-LTR dynamics in HIV patients on suppressive antiretroviral therapy. <i>Journal of Theoretical Biology</i> , 2017 , 416, 16-27	2.3	10
33	HIV low viral load persistence under treatment: Insights from a model of cell-to-cell viral transmission. <i>Applied Mathematics Letters</i> , 2019 , 94, 44-51	3.5	10
32	Global properties of a delayed SIR epidemic model with multiple parallel infectious stages. <i>Mathematical Biosciences and Engineering</i> , 2012 , 9, 685-95	2.1	9
31	A combination of climatic conditions determines major within-season dengue outbreaks in Guangdong Province, China. <i>Parasites and Vectors</i> , 2019 , 12, 45	4	8
30	Dynamics of an age-structured host-vector model for malaria transmission. <i>Mathematical Methods in the Applied Sciences</i> , 2018 , 41, 1966-1987	2.3	8
29	Analysis of HIV models with multiple target cell populations and general nonlinear rates of viral infection and cell death. <i>Mathematics and Computers in Simulation</i> , 2016 , 124, 87-103	3.3	8
28	Global dynamics of a vector-borne disease model with infection ages and general incidence rates. <i>Computational and Applied Mathematics</i> , 2018 , 37, 4055-4080		7
27	Global dynamics of non-smooth Filippov pest-natural enemy system with constant releasing rate. <i>Mathematical Biosciences and Engineering</i> , 2019 , 16, 7327-7361	2.1	7
26	Data informed analysis of 2014 dengue fever outbreak in Guangzhou: Impact of multiple environmental factors and vector control. <i>Journal of Theoretical Biology</i> , 2017 , 416, 161-179	2.3	6
25	DYNAMICS OF A NON-AUTONOMOUS HIV-1 INFECTION MODEL WITH DELAYS. <i>International Journal of Biomathematics</i> , 2013 , 06, 1350030	1.8	6
24	Stability and Hopf bifurcation on a model for HIV infection of CD4+ T cells with delay. <i>Chaos, Solitons and Fractals</i> , 2009 , 42, 1838-1844	9.3	6
23	Analysis of a stage structured predator-prey Gompertz model with disturbing pulse and delay. <i>Applied Mathematical Modelling</i> , 2009 , 33, 4231-4240	4.5	6

22	Permanence and extinction of a non-autonomous HIV-1 model with time delays. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2014 , 19, 1783-1800	1.3	6
21	Phase-adjusted estimation of the COVID-19 outbreak in South Korea under multi-source data and adjustment measures: a modelling study. <i>Mathematical Biosciences and Engineering</i> , 2020 , 17, 3637-3648 ^{2.1}		6
20	A Holling Type II Pest and Natural Enemy Model with Density Dependent IPM Strategy. <i>Mathematical Problems in Engineering</i> , 2017 , 2017, 1-12	1.1	5
19	A class of delayed virus dynamics models with multiple target cells. <i>Computational and Applied Mathematics</i> , 2013 , 32, 211-229		5
18	GLOBAL PROPERTIES OF A MODEL OF IMMUNE EFFECTOR RESPONSES TO VIRAL INFECTIONS. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , 2007 , 10, 495-503	0.8	5
17	Cumulative effects of incorrect use of pesticides can lead to catastrophic outbreaks of pests. <i>Chaos, Solitons and Fractals</i> , 2017 , 100, 7-19	9.3	4
16	An age-structured epidemic model with waning immunity and general nonlinear incidence rate. <i>International Journal of Biomathematics</i> , 2018 , 11, 1850069	1.8	4
15	Effects of medical resource capacities and intensities of public mitigation measures on outcomes of COVID-19 outbreaks. <i>BMC Public Health</i> , 2021 , 21, 605	4.1	4
14	Assessing effects of reopening policies on COVID-19 pandemic in Texas with a data-driven transmission model. <i>Infectious Disease Modelling</i> , 2021 , 6, 461-473	15.7	3
13	Stability analysis for delayed viral infection model with multitarget cells and general incidence rate. <i>International Journal of Biomathematics</i> , 2016 , 09, 1650007	1.8	2
12	A within-host virus model with multiple infected stages under time-varying environments. <i>Applied Mathematics and Computation</i> , 2015 , 266, 119-134	2.7	2
11	Threshold dynamics of an HIV infection model with two distinct cell subsets. <i>Applied Mathematics Letters</i> , 2020 , 103, 106242	3.5	2
10	Dynamical behavior of a pest management model with impulsive effect and nonlinear incidence rate. <i>Computational and Applied Mathematics</i> , 2011 , 30, 381-398	2.4	2
9	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
8	Asymptotic analysis of a vector-borne disease model with the age of infection. <i>Journal of Biological Dynamics</i> , 2020 , 14, 332-367	2.4	1
7	The Epidemic Risk of Dengue Fever in Japan: Climate Change and Seasonality. <i>Canadian Journal of Infectious Diseases and Medical Microbiology</i> , 2021 , 2021, 6699788	2.6	1
6	Global dynamics of a delayed diffusive virus infection model with cell-mediated immunity and cell-to-cell transmission. <i>Mathematical Biosciences and Engineering</i> , 2020 , 17, 4678-4705	2.1	1
5	Evidence for a Causal Relationship between the Solar Cycle and Locust Abundance. <i>Agronomy</i> , 2021 , 11, 69	3.6	1

4	An Age-Structured Model of HIV Latent Infection with Two Transmission Routes: Analysis and Optimal Control. <i>Complexity</i> , 2020 , 2020, 1-22	1.6	1
3	Global dynamics of a cholera model with age structures and multiple transmission modes. <i>International Journal of Biomathematics</i> , 2019 , 12, 1950051	1.8	0
2	An age-structured vector-borne disease model with horizontal transmission in the host. <i>Mathematical Biosciences and Engineering</i> , 2018 , 15, 1099-1116	2.1	0
1	GLOBAL ANALYSIS OF AN EXTENDED HIV DYNAMICS MODEL WITH GENERAL INCIDENCE RATE. <i>Journal of Biological Systems</i> , 2015 , 23, 401-421	1.6	