

Feng-Bin Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11382539/publications.pdf>

Version: 2024-02-01

48
papers

865
citations

567281

15
h-index

501196

28
g-index

48
all docs

48
docs citations

48
times ranked

337
citing authors

#	ARTICLE	IF	CITATIONS
1	A general multipatch cholera model in periodic environments. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2022, 27, 1647.	0.9	9
2	Positively invariant subset for non-densely defined Cauchy problems. <i>Journal of Mathematical Analysis and Applications</i> , 2021, 494, 124600.	1.0	1
3	Dynamics of phytoplankton species competition for light and nutrient with recycling in a water column. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2021, 26, 2115-2132.	0.9	1
4	A diffusive virus model with a fixed intracellular delay and combined drug treatments. <i>Journal of Mathematical Biology</i> , 2021, 83, 19.	1.9	0
5	Dynamics and steady-state analysis of an unstirred chemostat model with internal storage and toxin mortality. <i>Nonlinear Analysis: Real World Applications</i> , 2020, 52, 103044.	1.7	1
6	The dynamics of a zooplankton–fish system in aquatic habitats. <i>Nonlinear Analysis: Real World Applications</i> , 2020, 53, 103075.	1.7	1
7	Effects of periodic intake of drugs of abuse (morphine) on HIV dynamics: Mathematical model and analysis. <i>Mathematical Biosciences</i> , 2020, 326, 108395.	1.9	4
8	Spatial dynamics of a dengue transmission model in time-space periodic environment. <i>Journal of Differential Equations</i> , 2020, 269, 149-175.	2.2	18
9	Mathematical analysis of an HBV model with antibody and spatial heterogeneity. <i>Mathematical Biosciences and Engineering</i> , 2020, 17, 1820-1837.	1.9	2
10	A West Nile Virus Transmission Model with Periodic Incubation Periods. <i>SIAM Journal on Applied Dynamical Systems</i> , 2019, 18, 1498-1535.	1.6	12
11	Impact of bacterial hyperinfectivity on cholera epidemics in a spatially heterogeneous environment. <i>Journal of Mathematical Analysis and Applications</i> , 2019, 480, 123407.	1.0	23
12	Monotone abstract non-densely defined Cauchy problems applied to age structured population dynamic models. <i>Journal of Mathematical Analysis and Applications</i> , 2019, 479, 450-481.	1.0	15
13	Parasitic plasmid-host dynamics and host competition in flowing habitats. <i>Mathematical Biosciences</i> , 2019, 311, 109-124.	1.9	3
14	A Survey of Mathematical Models with Variable Quotas. <i>Taiwanese Journal of Mathematics</i> , 2019, 23, .	0.4	1
15	Steady-state solutions of a reaction–diffusion system arising from intraguild predation and internal storage. <i>Journal of Differential Equations</i> , 2019, 266, 8459-8491.	2.2	7
16	Global dynamics of a nonlocal reaction–diffusion system modeling the West Nile virus transmission. <i>Nonlinear Analysis: Real World Applications</i> , 2019, 46, 352-373.	1.7	13
17	Mathematical modeling and analysis of harmful algal blooms in flowing habitats. <i>Mathematical Biosciences and Engineering</i> , 2019, 16, 6728-6752.	1.9	4
18	Dynamics of a benthic-drift model for two competitive species. <i>Journal of Mathematical Analysis and Applications</i> , 2018, 462, 840-860.	1.0	12

#	ARTICLE	IF	CITATIONS
19	Global dynamics of a West Nile virus model in a spatially variable habitat. <i>Nonlinear Analysis: Real World Applications</i> , 2018, 41, 313-333.	1.7	14
20	A reaction-diffusion model of harmful algae and zooplankton in an ecosystem. <i>Journal of Mathematical Analysis and Applications</i> , 2017, 451, 659-677.	1.0	10
21	Single species growth consuming inorganic carbon with internal storage in a poorly mixed habitat. <i>Journal of Mathematical Biology</i> , 2017, 75, 1775-1825.	1.9	12
22	Varying total population enhances disease persistence: Qualitative analysis on a diffusive SIS epidemic model. <i>Journal of Differential Equations</i> , 2017, 262, 885-913.	2.2	120
23	A reaction-diffusion-advection model of harmful algae growth with toxin degradation. <i>Journal of Differential Equations</i> , 2015, 259, 3178-3201.	2.2	14
24	On a nonlocal reaction-diffusion-advection system modelling the growth of phytoplankton with cell quota structure. <i>Journal of Differential Equations</i> , 2015, 259, 5353-5378.	2.2	8
25	A PDE system modeling the competition and inhibition of harmful algae with seasonal variations. <i>Nonlinear Analysis: Real World Applications</i> , 2015, 25, 258-275.	1.7	4
26	Modeling malaria and typhoid fever co-infection dynamics. <i>Mathematical Biosciences</i> , 2015, 264, 128-144.	1.9	40
27	A pivotal eigenvalue problem in river ecology. <i>Journal of Differential Equations</i> , 2015, 259, 2280-2316.	2.2	6
28	A reaction-advection-diffusion system modeling the competition for two complementary resources with seasonality in a flowing habitat. <i>Journal of Mathematical Analysis and Applications</i> , 2015, 428, 145-164.	1.0	2
29	Dynamics of a host-pathogen system on a bounded spatial domain. <i>Communications on Pure and Applied Analysis</i> , 2015, 14, 2535-2560.	0.8	33
30	Competition for one nutrient with recycling and allelopathy in an unstirred chemostat. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2015, 20, 2129-2155.	0.9	3
31	Dynamics of harmful algae with seasonal temperature variations in the cove-main lake. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2015, 21, 313-335.	0.9	2
32	Growth of single phytoplankton species with internal storage in a water column. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2015, 21, 607-620.	0.9	4
33	Competition and allelopathy with resource storage: Two resources. <i>Journal of Theoretical Biology</i> , 2014, 351, 9-24.	1.7	9
34	Global dynamics of a PDE in-host viral model. <i>Applicable Analysis</i> , 2014, 93, 2312-2329.	1.3	56
35	On a reaction-diffusion system modeling the dengue transmission with nonlocal infections and crowding effects. <i>Applied Mathematics and Computation</i> , 2014, 248, 184-194.	2.2	12
36	Further studies of a reaction-diffusion system for an unstirred chemostat with internal storage. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2014, 19, 3169-3189.	0.9	7

#	ARTICLE	IF	CITATIONS
37	Dynamics of a model of microbial competition with internal nutrient storage in a flowing habitat. <i>Applied Mathematics and Computation</i> , 2013, 225, 747-764.	2.2	7
38	Competition for one nutrient with internal storage and toxin mortality. <i>Mathematical Biosciences</i> , 2013, 244, 82-90.	1.9	10
39	Global dynamics of zooplankton and harmful algae in flowing habitats. <i>Journal of Differential Equations</i> , 2013, 255, 265-297.	2.2	50
40	Dynamics of a dengue fever transmission model with crowding effect in human population and spatial variation. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2013, 18, 147-161.	0.9	16
41	Threshold dynamics of an infective disease model with a fixed latent period and non-local infections. <i>Journal of Mathematical Biology</i> , 2012, 65, 1387-1410.	1.9	79
42	Competition between microorganisms for a single limiting resource with cell quota structure and spatial variation. <i>Journal of Mathematical Biology</i> , 2012, 64, 713-743.	1.9	19
43	Avian influenza dynamics in wild birds with bird mobility and spatial heterogeneous environment. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2012, 17, 2829-2848.	0.9	37
44	Dynamics of a Periodically Pulsed Bio-Reactor Model With a Hydraulic Storage Zone. <i>Journal of Dynamics and Differential Equations</i> , 2011, 23, 817-842.	1.9	69
45	Reaction-diffusion equations of two species competing for two complementary resources with internal storage. <i>Journal of Differential Equations</i> , 2011, 251, 918-940.	2.2	6
46	On a system of reaction-diffusion equations arising from competition with internal storage in an unstirred chemostat. <i>Journal of Differential Equations</i> , 2010, 248, 2470-2496.	2.2	42
47	A system of partial differential equations modeling the competition for two complementary resources in flowing habitats. <i>Journal of Differential Equations</i> , 2010, 249, 2866-2888.	2.2	19
48	Competition and coexistence in flowing habitats with a hydraulic storage zone. <i>Mathematical Biosciences</i> , 2009, 222, 42-52.	1.9	28