Zhong Zhao

List of Publications by Year
in descending order

31 papers	293 citations	933447 10 h-index	940533 16 g-index
32 all docs	32 docs citations	32 times ranked	220 citing authors

#	Article	IF	Citations
1	Impulsive vaccination of SEIR epidemic model with time delay and nonlinear incidence rate. Mathematics and Computers in Simulation, 2008, 79, 500-510.	4.4	41
2	Extinction and permanence of chemostat model with pulsed input in a polluted environment. Communications in Nonlinear Science and Numerical Simulation, 2009, 14, 1737-1745.	3.3	39
3	Dynamic analysis of a turbidostat model with the feedback control. Communications in Nonlinear Science and Numerical Simulation, 2010, 15, 1028-1035.	3.3	22
4	Cost-effectiveness analysis of optimal strategy for tumor treatment. Chaos, Solitons and Fractals, 2016, 87, 293-301.	5.1	22
5	The effect of pulsed harvesting policy onÂtheÂinshoreâ€“offshore fishery model with the impulsive diffusion. Nonlinear Dynamics, 2011, 63, 537-545.	5.2	17
6	Dynamic analysis of lactic acid fermentation in membrane bioreactor. Journal of Theoretical Biology, 2009, 257, 270-278.	1.7	14
7	Impulsive perturbations of a predator-prey system withÂmodified Leslie-Gower and Holling type II schemes. Journal of Applied Mathematics and Computing, 2011, 35, 119-134.	2.5	14
8	Bifurcation and chaos ofÂbiochemical reaction model withÂimpulsive perturbations. Nonlinear Dynamics, 2011, 63, 521-535.	5.2	13
9	Optimal control of phytoplanktonâ€“fish model with the impulsive feedback control. Nonlinear Dynamics, 2017, 88, 2003-2011.	5.2	13
10	Impulsive state feedback control of the microorganism culture in a turbidostat. Journal of Mathematical Chemistry, 2010, 47, 1224-1239.	1.5	11
11	Nonlinear modelling of the interaction between phytoplankton and zooplankton with the impulsive feedback control. Chaos, Solitons and Fractals, 2016, 87, 255-261.	5.1	10
12	Nonsynchronous bifurcation of SIRS epidemic model with birth pulse and pulse vaccination. Nonlinear Dynamics, 2015, 79, 2371-2383.	5.2	9
13	Nonlinear analysis of a delayed stage-structured predatorâ€“prey model with impulsive effect and environment pollution. Applied Mathematics and Computation, 2014, 232, 1262-1268.	2.2	8
14	Chemical chaos in enzyme kinetics. Nonlinear Dynamics, 2009, 57, 135-142.	5.2	7
15	Nonlinear modelling of chemostat model with time delay and impulsive effect. Nonlinear Dynamics, 2011, 63, 95-104.	5.2	6
16	On the Study of Chemostat Model with Pulsed Input in a Polluted Environment. Discrete Dynamics in Nature and Society, 2007, 2007, 1-12.	0.9	5
17	Bifurcation of a three molecular saturated reaction with impulsive input. Nonlinear Analysis: Real World Applications, 2011, 12, 2016-2030.	1.7	5
18	Existence and global stability of periodic solution forÂimpulsive predator-prey model with diffusion andÂdistributed delay. Journal of Applied Mathematics and Computing, 2010, 33, 389-410.	2.5	4

#	Article	IF	Citations
19	Impulsive State Feedback Control of the Rhizosphere Microbial Degradation in the Wetland Plant. Discrete Dynamics in Nature and Society, 2015, 2015, 1-7.	0.9	4
20	Mathematical modeling of rhizosphere microbial degradation with impulsive diffusion on nutrient. Advances in Difference Equations, 2016, 2016, .	3.5	4
21	Dynamic analysis of an antitumor model and investigation of the therapeutic effects for different treatment regimens. Computational and Applied Mathematics, 2017, 36, 537-560.	1.3	4
22	Effect of rhizosphere dispersal and impulsive input on the growth of wetland plant. Mathematics and Computers in Simulation, 2018, 152, 69-80.	4.4	4
23	Impact of the impulsive releases and Allee effect on the dispersal behavior of the wild mosquitoes. Journal of Applied Mathematics and Computing, 2022, 68, 1527-1544.	2.5	4
24	Dynamic analysis of lactic acid fermentation with impulsive input. Journal of Mathematical Chemistry, 2010, 47, 1189-1208.	1.5	3
25	Nonlinear modelling of ethanol inhibition with the state feedback control. Journal of Applied Mathematics and Computing, 2015, 48, 205-219.	2.5	2
26	Analysis of a hybrid impulsive tumor-immune model with immunotherapy and chemotherapy. Chaos, Solitons and Fractals, 2021, 144, 110617.	5.1	2
27	Decomposability of a class of k-cutwidth critical graphs. Journal of Combinatorial Optimization, 0, , 1.	1.3	2
28	Complex dynamics of a delayed stage-structured predator-prey model with impulsive effect. Journal of Applied Mathematics and Computing, 2014, 45, 183-197.	2.5	1
29	Chemostat Model of Competition between Plasmid-Bearing and Plasmid-Free Organism with the Impulsive State Feedback Control. Discrete Dynamics in Nature and Society, 2018, 2018, 1-10.	0.9	1
30	Mathematical model for continuous delayed single-species population with impulsive state feedback control. Journal of Applied Mathematics and Computing, 2019, 61, 451-460.	2.5	1
31	Mathematical model for diffusion of the rhizosphere microbial degradation with impulsive feedback control. Journal of Biological Dynamics, 2020, 14, 566-577.	1.7	1