Lansun Chen

List of Publications by Year
in descending order

88 papers	1,407 citations	304743 22 h-index	377865 34 g-index
89 all docs	89 docs citations	89 times ranked	478 citing authors

#	Article	IF	Citations
1	The effect of constant and pulse vaccination on SIR epidemic model with horizontal and vertical transmission. Mathematical and Computer Modelling, 2002, 36, 1039-1057.	2.0	127
2	The Effects of Impulsive Toxicant Input on a Population in a Polluted Environment. Journal of Biological Systems, 2003, 11, 265-274.	1.4	114
3	GLOBAL ATTRACTIVITY OF A STAGE-STRUCTURE VARIABLE COEFFICIENTS PREDATOR-PREY SYSTEM WITH TIME DELAY AND IMPULSIVE PERTURBATIONS ON PREDATORS. International Journal of Biomathematics, 2008, 01, 197-208.	2.9	75
4	PERMANENCE AND GLOBAL STABILITY IN AN IMPULSIVE LOTKAâ€"VOLTERRA N-SPECIES COMPETITIVE SYSTEM WITH BOTH DISCRETE DELAYS AND CONTINUOUS DELAYS. International Journal of Biomathematics, 2008, 01, 179-196.	2.9	63
5	AN IMPULSIVE PREDATOR-PREY SYSTEM WITH BEDDINGTONâ€"DEANGELIS FUNCTIONAL RESPONSE AND TIME DELAY. International Journal of Biomathematics, 2008, 01, 1-17.	2.9	55
6	Dynamic behaviors of Monod type chemostat model with impulsive perturbation on the nutrient concentration. Journal of Mathematical Chemistry, 2007, 42, 837-847.	1.5	52
7	A Delayed Epidemic Model with Pulse Vaccination. Discrete Dynamics in Nature and Society, 2008, 2008, 1-12.	0.9	40
8	The study of a ratio-dependent predatorâ€"prey model with stage structure in the prey. Nonlinear Dynamics, 2009, 58, 443-451.	5.2	36
9	Periodic solution of the system with impulsive state feedback control. Nonlinear Dynamics, 2014, 78, 743-753.	5.2	36
10	THE PERIODIC PREDATOR-PREY LOTKAâ€"VOLTERRA MODEL WITH IMPULSIVE EFFECT. Journal of Mechanics in Medicine and Biology, 2002, 02, 267-296.	0.7	34
11	QUASIPERIODIC SOLUTIONS AND CHAOS IN A PERIODICALLY FORCED PREDATORâ€"PREY MODEL WITH AGE STRUCTURE FOR PREDATOR. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2003, 13, 973-980.	1.7	32
12	Periodic solution of a chemostat model with Beddingtonâ€"DeAnglis uptake function and impulsive state feedback control. Journal of Theoretical Biology, 2009, 261, 23-32.	1.7	28
13	PERMANENCE AND COMPLEXITY OF THE ECO-EPIDEMIOLOGICAL MODEL WITH IMPULSIVE PERTURBATION. International Journal of Biomathematics, 2008, 01, 121-132.	2.9	27
14	Periodic solution of a turbidostat model with impulsive state feedback control. Nonlinear Dynamics, 2009, 58, 525-538.	5.2	27
15	Qualitative analysis of impulsive state feedback control to an algae-fish system with bistable property. Applied Mathematics and Computation, 2015, 271, 905-922.	2.2	27
16	Species extinction and permanence in a preyâ€"predator model with two-type functional responses and impulsive biological control. Nonlinear Dynamics, 2008, 52, 71-81.	5.2	26
17	HOMOCLINIC BIFURCATION IN SEMI-CONTINUOUS DYNAMIC SYSTEMS. International Journal of Biomathematics, 2012, 05, 1250059.	2.9	25
18	A state feedback impulse model for computer worm control. Nonlinear Dynamics, 2016, 85, 1561-1569.	5.2	25

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19	Extinction and permanence of the predator-prey system with stocking of prey and harvesting of predator impulsively. Mathematical Methods in the Applied Sciences, 2006, 29, 415-425.	2.3	24
20	Three kinds of TVS in a SIR epidemic model with saturated infectious force and vertical transmission. Applied Mathematical Modelling, 2009, 33, 1923-1932.	4.2	24
21	Periodic solutions and homoclinic bifurcation of a predatorâ€"prey system with two types of harvesting. Nonlinear Dynamics, 2013, 73, 815-826.	5.2	24
22	A impulsive infective transmission SI model for pest control. Mathematical Methods in the Applied Sciences, 2007, 30, 1169-1184.	2.3	22
23	Homoclinic bifurcation of preyâ€"predator model with impulsive state feedback control. Applied Mathematics and Computation, 2014, 237, 282-292.	2.2	22
24	Complex dynamics of a chemostat with variable yield and periodically impulsive perturbation on the substrate. Journal of Mathematical Chemistry, 2008, 43, 338-349.	1.5	20
25	Dynamical analysis of a chemostat model with delayed response in growth and pulse input in polluted environment. Journal of Mathematical Chemistry, 2009, 46, 502-513.	1.5	20
26	THE EFFECT OF IMPULSIVE SPRAYING PESTICIDE ON STAGE-STRUCTURED POPULATION MODELS WITH BIRTH PULSE. Journal of Biological Systems, 2005, 13, 31-44.	1.4	19
27	TWO DIFFERENT VACCINATION STRATEGIES IN AN SIR EPIDEMIC MODEL WITH SATURATED INFECTIOUS FORCE. International Journal of Biomathematics, 2008, 01, 147-160.	2.9	17
28	The effect of pulsed harvesting policy onÂtheÂinshoreâ€"offshore fishery model with the impulsive diffusion. Nonlinear Dynamics, 2011, 63, 537-545.	5.2	17
29	Periodic solution of a turbidostat system with impulsive state feedback control. Journal of Mathematical Chemistry, 2009, 46, 1074-1086.	1.5	16
30	COMPLEX DYNAMICS OF ONE-PREY MULTI-PREDATOR SYSTEM WITH DEFENSIVE ABILITY OF PREY AND IMPULSIVE BIOLOGICAL CONTROL ON PREDATORS. International Journal of Modeling, Simulation, and Scientific Computing, 2005, 08, 483-495.	1.4	15
31	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
32	Dynamical properties of a kind of SIR model with constant vaccination rate and impulsive state feedback control. International Journal of Biomathematics, 2017, 10, 1750093.	2.9	14
33	A STAGE-STRUCTURED SI ECO-EPIDEMIOLOGICAL MODEL WITH TIME DELAY AND IMPULSIVE CONTROLLING*. Journal of Systems Science and Complexity, 2008, 21, 427-440.	2.8	13
34	Bifurcation and chaos ofÂbiochemical reaction model withÂimpulsive perturbations. Nonlinear Dynamics, 2011, 63, 521-535.	5.2	13
35	State-Dependent Pulse Vaccination and Therapeutic Strategy in an SI Epidemic Model with Nonlinear Incidence Rate. Computational and Mathematical Methods in Medicine, 2019, 2019, 1-10.	1.3	13
36	State feedback impulsive therapy to SIS model of animal infectious diseases. Physica A: Statistical Mechanics and Its Applications, 2019, 516, 222-232.	2.6	13

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37	Dynamic Complexity of an Ivlev-Type Prey-Predator System with Impulsive State Feedback Control. Journal of Applied Mathematics, 2012, 2012, 1-17.	0.9	12
38	DYNAMIC ANALYSIS OF A HOLLING I PREDATOR-PREY SYSTEM WITH MUTUAL INTERFERENCE CONCERNING PEST CONTROL. Journal of Biological Systems, 2005, 13, 45-58.	1.4	11
39	Impulsive state feedback control of the microorganism culture in a turbidostat. Journal of Mathematical Chemistry, 2010, 47, 1224-1239.	1.5	11
40	DYNAMICS OF A NONAUTONOMOUS SYSTEM WITH IMPULSIVE OUTPUT. International Journal of Biomathematics, 2008, 01, 225-238.	2.9	10
41	Qualitative analysis ofÂaÂvariable yield turbidostat model withÂimpulsive state feedback control. Journal of Applied Mathematics and Computing, 2010, 33, 193-208.	2.5	10
42	DYNAMICAL ANALYSIS OF A THREE-DIMENSIONAL PREDATOR-PREY MODEL WITH IMPULSIVE HARVESTING AND DIFFUSION. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2011, 21, 453-465.	1.7	10
43	Homoclinic bifurcation of a state feedback impulsive controlled preyâ€"predator system with Holling-II functional response. Nonlinear Dynamics, 2019, 98, 929-942.	5.2	10
44	Dynamical behaviors of the brusselator system with impulsive input. Journal of Mathematical Chemistry, 2008, 44, 637-649.	1.5	9
45	An SEIRS epidemic model with two delays and pulse vaccination*. Journal of Systems Science and Complexity, 2008, 21, 217-225.	2.8	8
46	Dynamic analysis of mathematical model of ethanol fermentation with gas stripping. Nonlinear Dynamics, 2009, 57, 13-23.	5.2	8
47	Dynamic complexity of microbial pesticide model. Nonlinear Dynamics, 2009, 58, 539-552.	5.2	8
48	Chemical chaos in enzyme kinetics. Nonlinear Dynamics, 2009, 57, 135-142.	5.2	7
49	Dynamics of a plankton-nutrient chemostat model with hibernation and it described by impulsive switched systems. Journal of Applied Mathematics and Computing, 2017, 53, 583-598.	2.5	7
50	CHAOTIC BEHAVIOR OF A PERIODICALLY FORCED PREDATORâ€"PREY SYSTEM WITH BEDDINGTONâ€"DEANGELIS FUNCTIONAL RESPONSE AND IMPULSIVE PERTURBATIONS. International Journal of Modeling, Simulation, and Scientific Computing, 2006, 09, 209-222.	1.4	6
51	Study of Lotka-volterra food chain chemostat with periodically varying dilution rate. Journal of Mathematical Chemistry, 2008, 43, 901-913.	1.5	6
52	Nonlinear modelling of chemostat model with time delay and impulsive effect. Nonlinear Dynamics, 2011, 63, 95-104.	5.2	6
53	Dynamical behaviors of a delayed chemostat model with impulsive diffusion on nutrients. Journal of Applied Mathematics and Computing, 2011, 35, 443-457.	2.5	6
54	The genic mutation on dynamics of a predatorâ€"prey system with impulsive effect. Nonlinear Dynamics, 2012, 70, 141-153.	5.2	6

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55	Necessary-Sufficient Conditions for Permanence and Extinction in Lotka-Volterra System with Discrete Delays. Applicable Analysis, 2002, 81, 575-587.	1.3	5
56	How Do the Spatial Structure and Time Delay Affect the Persistence of A Polluted Species. Applicable Analysis, 2003, 82, 253-267.	1.3	5
57	IMPULSIVE SELECTIVE HARVESTING IN A LOGISTIC FISHERY MODEL WITH TIME DELAY. Journal of Biological Systems, 2006, 14, 91-99.	1.4	5
58	PERIODIC SOLUTIONS OF A DISCRETE TIME NONAUTONOMOUS TWO-SPECIES MUTUALISTIC SYSTEM WITH DELAYS. International Journal of Modeling, Simulation, and Scientific Computing, 2006, 09, 87-98.	1.4	5
59	On a Periodic Time-Dependent Model of Population Dynamics with Stage Structure and Impulsive Effects. Discrete Dynamics in Nature and Society, 2008, 2008, 1-15.	0.9	5
60	Bifurcations and Periodic Solutions for an Algae-Fish Semicontinuous System. Abstract and Applied Analysis, 2013, 2013, 1-11.	0.7	5
61	Stability of a convex order one periodic solution of unilateral asymptotic type. Nonlinear Dynamics, 2017, 90, 83-93.	5.2	5
62	OSCILLATION CRITERIA FOR A CLASS OF SECOND-ORDER IMPULSIVE DELAY DIFFERENCE EQUATIONS. International Journal of Modeling, Simulation, and Scientific Computing, 2006, 09, 69-76.	1.4	4
63	Study of a Monodâ€“Haldene type food chain chemostat with pulsed substrate. Journal of Mathematical Chemistry, 2008, 43, 210-226.	1.5	4
64	Analysis of the dynamical behavior for enzyme-catalyzed reactions with impulsive input. Journal of Mathematical Chemistry, 2008, 43, 447-456.	1.5	4
65	Dynamics of the genic mutational rate on a population system with birth pulse and impulsive input toxins in polluted environment. Journal of Applied Mathematics and Computing, 2012, 40, 445-457.	2.5	4
66	Dynamics of Unilateral and Bilateral Control Systems with State Feedback for Renewable Resource Management. Complexity, 2020, 2020, 1-16.	1.6	4
67	Harmless and Profitless Delays in Discrete Competitive Lotkaâ€“Volterra Systems. Applicable Analysis, 2004, 83, 411-431.	1.3	3
68	Persistence and global stability in a delayed predator-prey system with Holling-type functional response. ANZIAM Journal, 2004, 46, 121-141.	0.2	3
69	Global Dynamics Behaviors of Viral Infection Model for Pest Management. Discrete Dynamics in Nature and Society, 2009, 2009, 1-16.	0.9	3
70	Dynamic analysis of lactic acid fermentation with impulsive input. Journal of Mathematical Chemistry, 2010, 47, 1189-1208.	1.5	3
71	Dynamic Analysis of a Predator-Prey (Pest) Model with Disease in Prey and Involving an Impulsive Control Strategy. Journal of Applied Mathematics, 2012, 2012, 1-18.	0.9	3
72	A kind of non-traditional biomanipulation model with constant releasing fish. Mathematical Methods in the Applied Sciences, 2017, 40, 4727.	2.3	3

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73	MODELING OF THE PREVENTION AND CONTROL OF FOREST PEST. Journal of Biological Systems, 2007, 15, 539-550.	1.4	2
74	ON A PERIODIC TIME-DEPENDENT IMPULSIVE SYSTEM OF STRATEGIES FOR CONTROLLING THE APPLE SNAIL IN PADDY FIELDS. Journal of Biological Systems, 2007, 15, 397-408.	1.4	2
75	Dynamical behaviors of a biological management model with impulsive stocking juvenile predators andÂcontinuous harvesting adult predators. Journal of Applied Mathematics and Computing, 2011, 35, 483-495.	2.5	2
76	Ultimate behavior of predator-prey system with constant harvesting of the prey impulsively. Journal of Applied Mathematics and Computing, 2006, 22, 149-158.	2.5	1
77	THE EFFECT OF SEASONAL HARVESTING ON A STAGE-STRUCTURED DISCRETE MODEL WITH BIRTH PULSES. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2006, 16, 2575-2586.	1.7	1
78	DYNAMIC COMPLEXITIES IN AN EPIDEMIC MODEL WITH BIRTH PULSES AND PULSE CULLING. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2007, 17, 521-533.	1.7	1
79	Toxic action and antibiotic in the chemostat: permanence and extinction of a model with functional response. Journal of Mathematical Chemistry, 2008, 43, 1256-1272.	1.5	1
80	Analysis of a Beddingtonâ€"DeAngelis food chain chemostat with periodically varying substrate. Journal of Mathematical Chemistry, 2008, 44, 467-481.	1.5	1
81	Dynamical analysis of a Lotkaâ€"Volterra competition system with impulsively linear invasion. Journal of Applied Mathematics and Computing, 2015, 48, 25-40.	2.5	1
82	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
83	Advanced Topics in Biomathematics. , 1998, , .		1
84	Optimal harvesting and stability for fishing models with stage structure in inshore-offshore areas. Applied Mathematics, 2003, 18, 151-160.	1.0	0
85	Profitless delays for permanence in a pure-delayed nonautonomous Lotka-Volterra competitive system with infinite delays and discrete delays. , 2007, , .		0
86	DYNAMIC BEHAVIORS OF A KIND OF PREDATORâ€"PREY SYSTEM WITH IVLEV'S AND BEDDINGTONâ€"DEANGELIS' FUNCTIONAL RESPONSE AND IMPULSIVE RELEASE. Stochastics and Dynamics, 2008, 08, 667-681.	1.2	0
87	Nonlinear incidence rate of a pest managementSImodel with impulsive control strategy. Mathematical Methods in the Applied Sciences, 2009, 33, n/a-n/a.	2.3	0
88	Extinction and Permanence of a General Predator-Prey System with Impulsive Perturbations. Journal of Applied Mathematics, 2012, 2012, 1-19.	0.9	0