

# Fengde Chen

## List of Publications by Year in descending order

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145  
papers

4,053  
citations

117625

34  
h-index

161849

54  
g-index

145  
all docs

145  
docs citations

145  
times ranked

834  
citing authors



#	ARTICLE	IF	CITATIONS
19	Global dynamics of a network-based SIQRS epidemic model with demographics and vaccination. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2017, 43, 296-310.	3.3	49
20	Dynamical analysis of a two species amensalism model with Beddingtonâ€™DeAngelis functional response and Allee effect on the second species. <i>Nonlinear Analysis: Real World Applications</i> , 2019, 48, 71-93.	1.7	49
21	Almost periodic solution for a Volterra model with mutual interference and Beddingtonâ€™DeAngelis functional response. <i>Applied Mathematics and Computation</i> , 2009, 214, 548-556.	2.2	48
22	Global asymptotical stability of the positive equilibrium of the Lotkaâ€™Volterra preyâ€™predator model incorporating a constant number of prey refuges. <i>Nonlinear Analysis: Real World Applications</i> , 2012, 13, 2790-2793.	1.7	48
23	Average conditions for permanence and extinction in nonautonomous Gilpinâ€™Ayala competition model. <i>Nonlinear Analysis: Real World Applications</i> , 2006, 7, 895-915.	1.7	47
24	Global stability of a Leslieâ€™Gower predatorâ€™prey model with feedback controls. <i>Applied Mathematics Letters</i> , 2009, 22, 1330-1334.	2.7	47
25	Dynamic behaviors of a delay differential equation model of plankton allelopathy. <i>Journal of Computational and Applied Mathematics</i> , 2007, 206, 733-754.	2.0	46
26	Influence of feedback controls on an autonomous Lotkaâ€™Volterra competitive system with infinite delays. <i>Nonlinear Analysis: Real World Applications</i> , 2013, 14, 402-413.	1.7	43
27	Permanence of a discrete N-species cooperation system with time delays and feedback controls. <i>Applied Mathematics and Computation</i> , 2007, 186, 23-29.	2.2	41
28	Global attractivity in an almost periodic multi-species nonlinear ecological model. <i>Applied Mathematics and Computation</i> , 2006, 180, 376-392.	2.2	39
29	Permanence, extinction and global attractivity of the periodic Gilpinâ€™Ayala competition system with impulses. <i>Nonlinear Analysis: Real World Applications</i> , 2010, 11, 1537-1551.	1.7	38
30	Extinction in a nonautonomous Lotkaâ€™Volterra competitive system with infinite delay and feedback controls. <i>Nonlinear Analysis: Real World Applications</i> , 2012, 13, 2214-2226.	1.7	38
31	Global asymptotic stability in n-species non-autonomous Lotkaâ€™Volterra competitive systems with infinite delays and feedback control. <i>Applied Mathematics and Computation</i> , 2005, 170, 1452-1468.	2.2	37
32	Permanence of a stage-structured predatorâ€™prey system. <i>Applied Mathematics and Computation</i> , 2013, 219, 8856-8862.	2.2	37
33	On a mutualism model with feedback controls. <i>Applied Mathematics and Computation</i> , 2009, 214, 581-587.	2.2	35
34	Extinction in periodic competitive stage-structured Lotkaâ€™Volterra model with the effects of toxic substances. <i>Journal of Computational and Applied Mathematics</i> , 2009, 231, 143-153.	2.0	35
35	Partial survival and extinction of a delayed predatorâ€™prey model with stage structure. <i>Applied Mathematics and Computation</i> , 2012, 219, 4157-4162.	2.2	35
36	Permanence in nonautonomous multi-species predatorâ€™prey system with feedback controls. <i>Applied Mathematics and Computation</i> , 2006, 173, 694-709.	2.2	34

#	ARTICLE	IF	CITATIONS
37	Influence of predator mutual interference and prey refuge on Lotkaâ€“Volterra predatorâ€“prey dynamics. Communications in Nonlinear Science and Numerical Simulation, 2013, 18, 3174-3180.	3.3	34
38	Extinction in two species nonautonomous nonlinear competitive system. Applied Mathematics and Computation, 2016, 274, 119-124.	2.2	34
39	Existence and global attractivity of an almost periodic ecological model. Applied Mathematics and Computation, 2004, 157, 449-475.	2.2	33
40	On a periodic multi-species ecological model. Applied Mathematics and Computation, 2005, 171, 492-510.	2.2	33
41	The dynamic behavior of N-species cooperation system with continuous time delays and feedback controls. Applied Mathematics and Computation, 2006, 181, 803-815.	2.2	33
42	Extinction in two dimensional nonautonomous Lotkaâ€“Volterra systems with the effect of toxic substances. Applied Mathematics and Computation, 2006, 182, 684-690.	2.2	33
43	Almost periodic solutions of a discrete almost periodic logistic equation. Mathematical and Computer Modelling, 2009, 50, 254-259.	2.0	33
44	Almost periodic solution of an impulsive differential equation model of plankton allelopathy. Nonlinear Analysis: Real World Applications, 2010, 11, 2296-2301.	1.7	32
45	GLOBAL STABILITY OF A STAGE-STRUCTURED PREDATORâ€“PREY MODEL WITH MODIFIED LESLIEâ€“GOWER AND HOLLING-TYPE II SCHEMES. International Journal of Biomathematics, 2012, 05, 1250057.	2.9	32
46	Existence, uniqueness and stability of positive periodic solution for a nonlinear prey-competition model with delays. Journal of Computational and Applied Mathematics, 2006, 194, 368-387.	2.0	30
47	Stability and Bifurcation in a Predatorâ€“Prey Model with the Additive Allee Effect and the Fear Effect. Mathematics, 2020, 8, 1280.	2.2	30
48	Periodic solutions and almost periodic solutions for a delay multispecies Logarithmic population model. Applied Mathematics and Computation, 2005, 171, 760-770.	2.2	29
49	Permanence for an integrodifferential model of mutualism. Applied Mathematics and Computation, 2007, 186, 30-34.	2.2	29
50	Dynamic behaviors of the impulsive periodic multi-species predatorâ€“prey system. Computers and Mathematics With Applications, 2009, 57, 248-265.	2.7	29
51	Dynamic behaviors of Lotkaâ€“Volterra predatorâ€“prey model incorporating predator cannibalism. Advances in Difference Equations, 2019, 2019, .	3.5	29
52	Hopf bifurcation and stability in a Beddington-DeAngelis predator-prey model with stage structure for predator and time delay incorporating prey refuge. Open Mathematics, 2019, 17, 141-159.	1.0	28
53	Permanence and global attractivity of the discrete Gilpinâ€“Ayala type population model. Computers and Mathematics With Applications, 2007, 53, 1214-1227.	2.7	27
54	Global stability of a stage-structured predatorâ€“prey system. Applied Mathematics and Computation, 2013, 223, 45-53.	2.2	27

#	ARTICLE	IF	CITATIONS
55	Permanence in a discrete Lotka–Volterra competition model with deviating arguments. <i>Nonlinear Analysis: Real World Applications</i> , 2008, 9, 2150-2155.	1.7	26
56	GLOBAL ANALYSIS OF A HARVESTED PREDATOR–PREY MODEL INCORPORATING A CONSTANT PREY REFUGE. <i>International Journal of Biomathematics</i> , 2010, 03, 205-223.	2.9	26
57	Dynamic behaviors of the periodic predator–prey system with distributed time delays and impulsive effect. <i>Nonlinear Analysis: Real World Applications</i> , 2011, 12, 2467-2473.	1.7	26
58	Dynamic Behaviors of a Harvesting Leslie-Gower Predator-Prey Model. <i>Discrete Dynamics in Nature and Society</i> , 2011, 2011, 1-14.	0.9	26
59	Almost Periodic Solution of a Discrete Commensalism System. <i>Discrete Dynamics in Nature and Society</i> , 2015, 2015, 1-11.	0.9	26
60	Convergences of a stage-structured predator-prey model with modified Leslie-Gower and Holling-type II schemes. <i>Advances in Difference Equations</i> , 2016, 2016, .	3.5	26
61	Stability of the boundary solution of a nonautonomous predator–prey system with the Beddington–DeAngelis functional response. <i>Journal of Mathematical Analysis and Applications</i> , 2008, 344, 1057-1067.	1.0	25
62	Permanence of periodic Holling type predator–prey system with stage structure for prey. <i>Applied Mathematics and Computation</i> , 2006, 182, 1849-1860.	2.2	24
63	Permanence of a discrete n-species food-chain system with time delays. <i>Applied Mathematics and Computation</i> , 2007, 185, 719-726.	2.2	24
64	Permanence and global stability of nonautonomous Lotka–Volterra system with predator–prey and deviating arguments. <i>Applied Mathematics and Computation</i> , 2006, 173, 1082-1100.	2.2	23
65	Almost periodic solution of the non-autonomous two-species competitive model with stage structure. <i>Applied Mathematics and Computation</i> , 2006, 181, 685-693.	2.2	23
66	Dynamical analysis of a logistic model with impulsive Holling type-II harvesting. <i>Advances in Difference Equations</i> , 2018, 2018, .	3.5	23
67	Permanence of a single species discrete model with feedback control and delay. <i>Applied Mathematics Letters</i> , 2007, 20, 729-733.	2.7	22
68	Global attractivity of a discrete cooperative system incorporating harvesting. <i>Advances in Difference Equations</i> , 2016, 2016, .	3.5	21
69	Dynamic behaviors of a Lotka–Volterra commensal symbiosis model with density dependent birth rate. <i>Advances in Difference Equations</i> , 2018, 2018, .	3.5	21
70	Almost periodic solutions of a discrete Lotka–Volterra competition system with delays. <i>Nonlinear Analysis: Real World Applications</i> , 2011, 12, 2344-2355.	1.7	20
71	Stability and Bifurcation in a Leslie–Gower Predator–Prey Model with Allee Effect. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2022, 32, .	1.7	20
72	Stability and bifurcation in a single species logistic model with additive Allee effect and feedback control. <i>Advances in Difference Equations</i> , 2020, 2020, .	3.5	19

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73	Periodicity in a ratio-dependent predator-prey system with stage structure for predator. Journal of Applied Mathematics, 2005, 2005, 153-169.	0.9	18
74	Permanence and extinction in nonlinear single and multiple species system with diffusion. Applied Mathematics and Computation, 2006, 177, 410-426.	2.2	18
75	On a delayed nonautonomous ratio-dependent predator-prey model with Holling type functional response and diffusion. Applied Mathematics and Computation, 2007, 192, 358-369.	2.2	18
76	Note on the Stability Property of a Cooperative System Incorporating Harvesting. Discrete Dynamics in Nature and Society, 2014, 2014, 1-5.	0.9	18
77	The Influence of Fear Effect to a Discrete-Time Predator-Prey System with Predator Has Other Food Resource. Mathematics, 2021, 9, 865.	2.2	18
78	Global stability of a predator-prey system with stage structure and mutual interference. Discrete and Continuous Dynamical Systems - Series B, 2014, 19, 173-187.	0.9	18
79	Note on the persistent property of a feedback control system with delays. Nonlinear Analysis: Real World Applications, 2010, 11, 1061-1066.	1.7	17
80	Permanence and global attractivity of a periodic predator-prey system with mutual interference and impulses. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 444-453.	3.3	17
81	Almost periodic solutions of a discrete almost periodic logistic equation with delay. Applied Mathematics and Computation, 2014, 232, 743-751.	2.2	17
82	Global stability of May cooperative system with feedback controls. Advances in Difference Equations, 2015, 2015, .	3.5	17
83	Extinction of a two species non-autonomous competitive system with Beddington-DeAngelis functional response and the effect of toxic substances. Open Mathematics, 2016, 14, 1157-1173.	1.0	17
84	Stability and Bifurcation in an SI Epidemic Model with Additive Allee Effect and Time Delay. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2021, 31, 2150060.	1.7	17
85	Global stability of a single species model with feedback control and distributed time delay. Applied Mathematics and Computation, 2006, 178, 474-479.	2.2	16
86	Permanence and global attractivity of a discrete Schoener's competition model with delays. Mathematical and Computer Modelling, 2009, 49, 1607-1617.	2.0	16
87	Asymptotic behavior of the reaction-diffusion model of plankton allelopathy with nonlocal delays. Nonlinear Analysis: Real World Applications, 2011, 12, 1748-1758.	1.7	16
88	Extinction in a discrete Lotka-Volterra competitive system with the effect of toxic substances and feedback controls. International Journal of Biomathematics, 2015, 08, 1550012.	2.9	16
89	Permanence and global attractivity of an impulsive delay Logistic model. Applied Mathematics Letters, 2016, 62, 92-100.	2.7	16
90	Extinction in a Lotka-Volterra competitive system with impulse and the effect of toxic substances. Applied Mathematical Modelling, 2016, 40, 2015-2024.	4.2	16

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91	Permanence of the periodic predator-prey-mutualist system. <i>Advances in Difference Equations</i> , 2015, 2015, .	3.5	15
92	Permanence and global attractivity of a discrete pollination mutualism in plant-pollinator system with feedback controls. <i>Advances in Difference Equations</i> , 2016, 2016, .	3.5	15
93	Stability and Bifurcation in a Logistic Model with Allee Effect and Feedback Control. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2020, 30, 2050231.	1.7	15
94	Stability Analysis of a Leslie-Gower Model with Strong Allee Effect on Prey and Fear Effect on Predator. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2022, 32, .	1.7	15
95	Extinction and stability of an impulsive system with pure delays. <i>Applied Mathematics Letters</i> , 2019, 91, 128-136.	2.7	14
96	On the periodic solutions of periodic multi-species Kolmogorov type competitive system with delays and feedback controls. <i>Applied Mathematics and Computation</i> , 2006, 180, 366-373.	2.2	13
97	Global stability in a competition model of plankton allelopathy with infinite delay. <i>Journal of Systems Science and Complexity</i> , 2015, 28, 1070-1079.	2.8	13
98	Permanence and global attractivity of a delayed periodic logistic equation. <i>Applied Mathematics and Computation</i> , 2006, 177, 118-127.	2.2	12
99	Global stability of a delay differential equations model of plankton allelopathy. <i>Applied Mathematics and Computation</i> , 2012, 218, 7155-7163.	2.2	12
100	Almost periodic solution of a modified Leslie-Gower predator-prey model with Holling-type II schemes and mutual interference. <i>International Journal of Biomathematics</i> , 2014, 07, 1450028.	2.9	12
101	Global Attractivity of an Integrodifferential Model of Mutualism. <i>Abstract and Applied Analysis</i> , 2014, 2014, 1-6.	0.7	12
102	Stability and bifurcation analysis in a single-species stage structure system with Michaelis-Menten-type harvesting. <i>Advances in Difference Equations</i> , 2020, 2020, .	3.5	12
103	Modeling Allee Effect in the Leslie-Gower Predator-Prey System Incorporating a Prey Refuge. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2022, 32, .	1.7	12
104	Permanence of a nonlinear integro-differential prey-competition model with infinite delays. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2008, 13, 2290-2297.	3.3	11
105	Permanence and global stability of a May cooperative system with strong and weak cooperative partners. <i>Advances in Difference Equations</i> , 2018, 2018, .	3.5	11
106	Dynamic behaviors of a Lotka-Volterra type predator-prey system with Allee effect on the predator species and density dependent birth rate on the prey species. <i>Open Mathematics</i> , 2019, 17, 1186-1202.	1.0	11
107	Permanence of a delayed non-autonomous Gilpin-Ayala competition model. <i>Applied Mathematics and Computation</i> , 2006, 179, 55-66.	2.2	10
108	The influence of partial closure for the populations to a non-selective harvesting Lotka-Volterra discrete amensalism model. <i>Advances in Difference Equations</i> , 2019, 2019, .	3.5	10

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109	Periodicity and stability of a nonlinear periodic integro-differential prey-competition model with infinite delays. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2007, 12, 876-885.	3.3	9
110	Global Stability of a Discrete Mutualism Model. <i>Abstract and Applied Analysis</i> , 2014, 2014, 1-7.	0.7	9
111	Dynamic Behaviors of a Single Species Stage Structure Model with Michaelis-Menten-Type Juvenile Population Harvesting. <i>Mathematics</i> , 2020, 8, 1281.	2.2	9
112	Stability and bifurcation of a discrete predator-prey system with Allee effect and other food resource for the predators. <i>Journal of Applied Mathematics and Computing</i> , 2023, 69, 529-548.	2.5	9
113	Positive Periodic Solution of a Discrete Lotka-volterra Commensal Symbiosis Model with Michaelis-menten Type Harvesting. <i>WSEAS Transactions on Mathematics</i> , 2022, 21, 515-523.	0.5	9
114	DYNAMIC BEHAVIOR OF A NONLINEAR SINGLE SPECIES DIFFUSIVE SYSTEM. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , 2005, 08, 399-417.	1.4	8
115	The permanence and extinction of a nonlinear growth rate single-species non-autonomous dispersal models with time delays. <i>Nonlinear Analysis: Real World Applications</i> , 2007, 8, 1536-1550.	1.7	8
116	Global Attractivity and Extinction of a Discrete Competitive System with Infinite Delays and Single Feedback Control. <i>Discrete Dynamics in Nature and Society</i> , 2018, 2018, 1-14.	0.9	8
117	Global analysis of epidemic spreading with a general feedback mechanism on complex networks. <i>Advances in Difference Equations</i> , 2019, 2019, .	3.5	8
118	Extinction of a two species competitive stage-structured system with the effect of toxic substance and harvesting. <i>Open Mathematics</i> , 2019, 17, 856-873.	1.0	8
119	Global Stability of Symbiotic Model of Commensalism and Parasitism with Harvesting in Commensal Populations. <i>WSEAS Transactions on Mathematics</i> , 2022, 21, 424-432.	0.5	8
120	Harvesting of a Single-Species System Incorporating Stage Structure and Toxicity. <i>Discrete Dynamics in Nature and Society</i> , 2009, 2009, 1-16.	0.9	7
121	Dynamic Behaviors of a Nonautonomous Discrete Predator-Prey System Incorporating a Prey Refuge and Holling Type II Functional Response. <i>Discrete Dynamics in Nature and Society</i> , 2012, 2012, 1-14.	0.9	7
122	Extinction in Two-Species Nonlinear Discrete Competitive System. <i>Discrete Dynamics in Nature and Society</i> , 2016, 2016, 1-10.	0.9	7
123	Dynamic behaviors of a discrete Lotka-Volterra competitive system with the effect of toxic substances and feedback controls. <i>Advances in Difference Equations</i> , 2017, 2017, .	3.5	7
124	Dynamic behaviors of a nonautonomous predator-prey system with Holling type II schemes and a prey refuge. <i>Advances in Difference Equations</i> , 2021, 2021, .	3.5	7
125	Global Attractivity of a Generalized Lotka-Volterra Competition Model. <i>Differential Equations and Dynamical Systems</i> , 2010, 18, 303-315.	1.0	6
126	Stability Property for the Predator-Free Equilibrium Point of Predator-Prey Systems with a Class of Functional Response and Prey Refuges. <i>Discrete Dynamics in Nature and Society</i> , 2012, 2012, 1-5.	0.9	6



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127	Extinction and almost periodic solutions of a discrete Gilpinâ€“Ayala type population model. Journal of Difference Equations and Applications, 2013, 19, 719-737.	1.1	6
128	Dynamic Behaviors of a Discrete Lotka-Volterra Competition System with Infinite Delays and Single Feedback Control. Abstract and Applied Analysis, 2014, 2014, 1-19.	0.7	6
129	Dynamics of an impulsive model of plankton allelopathy with delays. Journal of Applied Mathematics and Computing, 2017, 55, 749-762.	2.5	6
130	On a predator-prey system interaction under fluctuating water level with nonselective harvesting. Open Mathematics, 2020, 18, 458-475.	1.0	6
131	On a nonautonomous predator-prey model with prey dispersal. Applied Mathematics and Computation, 2007, 184, 809-822.	2.2	4
132	Positive periodic solution of the discrete Lasotaâ€“Ważewska model with impulse. Journal of Difference Equations and Applications, 2014, 20, 406-412.	1.1	4
133	Dynamic Behaviors of a Discrete Periodic Predator-Prey-Mutualist System. Discrete Dynamics in Nature and Society, 2015, 2015, 1-11.	0.9	4
134	The bifurcation analysis and optimal feedback mechanism for an SIS epidemic model on networks. Advances in Difference Equations, 2019, 2019, .	3.5	4
135	The Extinction of a Non-Autonomous Allelopathic Phytoplankton Model with Nonlinear Inter-Inhibition Terms and Feedback Controls. Mathematics, 2020, 8, 173.	2.2	4
136	Note on the persistence and stability property of a stage-structured preyâ€“predator model with cannibalism and constant attacking rate. Advances in Difference Equations, 2020, 2020, .	3.5	4
137	A Predatorâ€“Prey system with viral infection and anorexia response. Applied Mathematics and Computation, 2006, 175, 1455-1483.	2.2	3
138	Dynamic Behaviors of a General Discrete Nonautonomous System of Plankton Allelopathy with Delays. Discrete Dynamics in Nature and Society, 2008, 2008, 1-22.	0.9	3
139	On the Stability Property of the Infection-Free Equilibrium of a Viral Infection Model. Discrete Dynamics in Nature and Society, 2010, 2010, 1-9.	0.9	2
140	Dynamic Behaviors of a Competitive System with Beddington-DeAngelis Functional Response. Discrete Dynamics in Nature and Society, 2019, 2019, 1-12.	0.9	2
141	On the Existence of Positive Periodic Solution of an Amensalism Model with Beddington-DeAngelis Functional Response. WSEAS Transactions on Mathematics, 2022, 21, 572-579.	0.5	2
142	Dynamic Behaviors of a Nonautonomous Impulsive Competitive System with the Effect of Toxic Substance. Discrete Dynamics in Nature and Society, 2018, 2018, 1-6.	0.9	1
143	Dynamic of a nonautonomous two-species impulsive competitive system with infinite delays. Open Mathematics, 2019, 17, 776-794.	1.0	1
144	Uniqueness of Limit Cycles for a Class of Cubic Systems with Two Invariant Straight Lines. Discrete Dynamics in Nature and Society, 2010, 2010, 1-17.	0.9	0

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145	Dynamics of a Discrete Allelopathic Phytoplankton Model with Infinite Delays and Feedback Controls. Discrete Dynamics in Nature and Society, 2020, 2020, 1-17.	0.9	0