Meng Fan

List of Publications by Year
in descending order

79	2,588	26	49
papers	citations	h-index	g-index

79	79	79	1415
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Modeling and Evaluation of the Joint Prevention and Control Mechanism for Curbing COVID-19 in Wuhan. Bulletin of Mathematical Biology, 2022, 84, 28.	0.9	8
2	Population dynamics of the giant jellyfish Nemopilema nomurai with age structure. Ecological Modelling, 2021, 441, 109412.	1.2	3
3	Dynamic modeling and optimal control of cystic echinococcosis. Infectious Diseases of Poverty, 2021, 10, 38.	1.5	12
4	Microdisplacement Mechanism of Polymer Flooding and Distributional Characteristics of Remaining Oil in Heavy-Oil Reservoirs. Chemistry and Technology of Fuels and Oils, 2021, 57, 358.	0.2	3
5	Dynamics of a three-species food chain model with fear effect. Communications in Nonlinear Science and Numerical Simulation, 2021, 99, 105809.	1.7	29
6	Modeling the outbreak and control of African swine fever virus in large-scale pig farms. Journal of Theoretical Biology, 2021, 526, 110798.	0.8	12
7	Dynamics of a nutrient-phytoplankton model with random phytoplankton mortality. Journal of Theoretical Biology, 2020, 488, 110119.	0.8	12
8	Dynamics for a non-autonomous predator-prey system with generalist predator. Journal of Mathematical Analysis and Applications, 2020, 485, 123820.	0.5	19
9	Stoichiometric Modeling of Aboveground–Belowground Interaction of Herbaceous Plant and Two Herbivores. Bulletin of Mathematical Biology, 2020, 82, 107.	0.9	3
10	Fangcang shelter hospitals during the COVID-19 epidemic, Wuhan, China. Bulletin of the World Health Organization, 2020, 98, 830-841D.	1.5	40
11	Effect of delay in diagnosis on transmission of COVID-19. Mathematical Biosciences and Engineering, 2020, 17, 2725-2740.	1.0	165
12	EFFECT OF TEMPERATURE ON ADAPTIVE EVOLUTION OF PHYTOPLANKTON CELL SIZE. Journal of Applied Analysis and Computation, 2020, 10, 2644-2658.	0.2	1
13	Stability analysis for stochastic complex-valued delayed networks with multiple nonlinear links and impulsive effects. Nonlinear Dynamics, 2019, 97, 1959-1976.	2.7	11
14	Preface for the Special Issue on Dynamical Models of Biology and Medicine. Applied Sciences (Switzerland), 2019, 9, 2380.	1.3	0
15	Stability of impulsive coupled systems on networks with both multicoupling structure and time‐varying delays. International Journal of Robust and Nonlinear Control, 2019, 29, 2364-2384.	2.1	4
16	Stoichiometric modeling of aboveground-belowground interaction of herbaceous plant. Mathematical Biosciences and Engineering, 2019, 16, 25-55.	1.0	2
17	Impact of disposing stray dogs on risk assessment and control of Echinococcosis in Inner Mongolia. Mathematical Biosciences, 2018, 299, 85-96.	0.9	13
18	Stabilization of stochastic coupled systems with Markovian switching via feedback control based on discrete‐time state observations. International Journal of Robust and Nonlinear Control, 2018, 28, 247-265.	2.1	42

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19	NONLINEAR PERTURBATIONS FOR LINEAR NONAUTONOMOUS IMPULSIVE DIFFERENTIAL EQUATIONS AND NONUNIFORM (<i>H,K,µ,Î½</i>)-DICHOTOMY. Journal of Applied Analysis and Computation, 2018, 8, 1085-1107.	0.2	0
20	Global dynamics in a stoichiometric food chain model with two limiting nutrients. Mathematical Biosciences, 2017, 289, 9-19.	0.9	20
21	Global threshold dynamics of SIQS epidemic model in time fluctuating environment. International Journal of Biomathematics, 2017, 10, 1750060.	1.5	1
22	Nonuniform (h,k,Î¼,Î½)-dichotomy with applications to nonautonomous dynamical systems. Journal of Mathematical Analysis and Applications, 2017, 452, 505-551.	0.5	8
23	Adaptive evolution of body size subject to indirect effect in trophic cascade system. BioSystems, 2017, 159, 23-35.	0.9	3
24	Permanence of Stochastic Lotkaâ€"Volterra Systems. Journal of Nonlinear Science, 2017, 27, 425-452.	1.0	95
25	Effect of seasonal changing temperature on the growth of phytoplankton. Mathematical Biosciences and Engineering, 2017, 14, 1091-1117.	1.0	12
26	Transmission dynamics and optimal control of brucellosis in Inner Mongolia of China. Mathematical Biosciences and Engineering, 2017, 15, 543-567.	1.0	29
27	Pseudo almost automorphy of semilinear fractional differential equations in Banach Spaces. Fractional Calculus and Applied Analysis, 2016, 19, 741-764.	1.2	4
28	Semiotic open complex systems: Processes and behaviors. Complexity, 2016, 21, 388-396.	0.9	2
29	Dynamics of Predatorâ€"Prey Metapopulations with Allee Effects. Bulletin of Mathematical Biology, 2016, 78, 1727-1748.	0.9	3
30	Modeling Refuge Effect of Submerged Macrophytes in Lake System. Bulletin of Mathematical Biology, 2016, 78, 662-694.	0.9	14
31	Adaptive evolution of foraging-related trait in intraguild predation system. Mathematical Biosciences, 2016, 274, 1-11.	0.9	7
32	Dynamic Model for Life History of Scyphozoa. PLoS ONE, 2015, 10, e0130669.	1.1	7
33	The dynamics of temperature and light on the growth of phytoplankton. Journal of Theoretical Biology, 2015, 385, 8-19.	0.8	48
34	Effects of nutrient enrichment on coevolution of a stoichiometric producer-grazer system. Mathematical Biosciences and Engineering, 2014, 11, 841-875.	1.0	4
35	Parameter dependence of stable manifolds for nonuniform (µ, Î½)-dichotomies. Acta Mathematica Sinica, English Series, 2013, 29, 1111-1130.	0.2	2
36	Stable manifolds for delay equations and parameter dependence. Nonlinear Analysis: Theory, Methods & Applications, 2012, 75, 5824-5835.	0.6	3

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37	Nonlinear perturbations of nonuniform exponential dichotomy on measure chains. Nonlinear Analysis: Theory, Methods & Applications, 2012, 75, 670-683.	0.6	5
38	Weighted Stepanov-like pseudo almost automorphy and applications. Nonlinear Analysis: Theory, Methods & Applications, 2012, 75, 2378-2397.	0.6	32
39	Dynamics of an SIR epidemic model with limited medical resources revisited. Nonlinear Analysis: Real World Applications, 2012, 13, 312-324.	0.9	165
40	Parameter Dependence of Stable Manifolds for Delay Equations with Polynomial Dichotomies. Journal of Dynamics and Differential Equations, 2012, 24, 101-118.	1.0	5
41	Global asymptotic stability for predator-prey systems whose prey receives time-variation of the environment. Proceedings of the American Mathematical Society, 2011, 139, 3475-3475.	0.4	9
42	Dynamics of a multigroup epidemiological model with group-targeted vaccination strategies. Journal of Theoretical Biology, 2011, 291, 56-64.	0.8	23
43	A Massera type criterion for almost automorphy of nonautonomous boundary differential equations. Electronic Journal of Qualitative Theory of Differential Equations, 2011, , 1-13.	0.2	0
44	Existence and roughness of exponential dichotomies of linear dynamic equations on time scales. Computers and Mathematics With Applications, 2010, 59, 2658-2675.	1.4	47
45	Spatially complex neighboring relationships among grassland plant species as an effective mechanism of defense against herbivory. Oecologia, 2010, 164, 193-200.	0.9	39
46	Invariant Manifolds for Impulsive Equations andÂNonuniform Polynomial Dichotomies. Journal of Statistical Physics, 2010, 141, 179-200.	0.5	8
47	Periodic solution of single population models on time scales. Mathematical and Computer Modelling, 2010, 52, 515-521.	2.0	16
48	Necessary and sufficient criteria for the existence of exponential dichotomy on time scales. Computers and Mathematics With Applications, 2010, 60, 2387-2398.	1.4	10
49	DYNAMICS OF A DISCRETE STOICHIOMETRIC TWO PREDATORS ONE PREY MODEL. Journal of Biological Systems, 2010, 18, 649-667.	0.5	7
50	Mechanisms for stable coexistence in an insect community. Mathematical Biosciences and Engineering, 2010, 7, 603-622.	1.0	4
51	Study on a non-autonomous predatorâ€"prey system with Beddingtonâ€"DeAngelis functional response. Mathematical and Computer Modelling, 2008, 48, 1755-1764.	2.0	16
52	Globally asymptotic stability in two periodic delayed competitive systems. Applied Mathematics and Computation, 2008, 197, 271-287.	1.4	21
53	Periodic solutions of functional dynamic equations with infinite delay. Nonlinear Analysis: Theory, Methods & Applications, 2008, 68, 1226-1245.	0.6	42
54	Existence of multiple positive periodic solutions for functional differential equations. Journal of Mathematical Analysis and Applications, 2007, 325, 1378-1389.	0.5	24

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55	Periodicity of scalar dynamic equations and applications to population models. Journal of Mathematical Analysis and Applications, 2007, 330, 1-9.	0.5	57
56	The dynamics of a stoichiometric plant-herbivore model and its discrete analog. Mathematical Biosciences and Engineering, 2007, 4, 29-46.	1.0	7
57	Rabbits killing birds revisited. Mathematical Biosciences, 2006, 203, 100-123.	0.9	24
58	PERIODICITY IN MUTUALISM SYSTEMS WITH IMPULSE. Taiwanese Journal of Mathematics, 2006, 10, 723.	0.2	8
59	A Massera Theorem for Quasi-Linear Partial Differential Equations of First Order. Rocky Mountain Journal of Mathematics, 2006, 36, 1715.	0.2	1
60	Existence of periodic solutions in predator–prey and competition dynamic systems. Nonlinear Analysis: Real World Applications, 2006, 7, 1193-1204.	0.9	101
61	Periodic solutions for scalar functional differential equations. Nonlinear Analysis: Theory, Methods & Applications, 2005, 62, 1157-1181.	0.6	36
62	Cats protecting birds revisited. Bulletin of Mathematical Biology, 2005, 67, 1081-1106.	0.9	37
63	Dynamics of a stoichiometric discrete producer-grazer model. Journal of Difference Equations and Applications, 2005, 11, 347-364.	0.7	14
64	Periodicity in a class of non-autonomous scalar equations with deviating arguments and applications to population models. Dynamical Systems, 2004, 19, 279-301.	0.2	10
65	Dynamics of a nonautonomous predator–prey system with the Beddington–DeAngelis functional response. Journal of Mathematical Analysis and Applications, 2004, 295, 15-39.	0.5	165
66	Periodic solutions of a class of nonautonomous discrete time semi-ratio-dependent predator-prey systems. Discrete and Continuous Dynamical Systems - Series B, 2004, 4, 563-574.	0.5	28
67	Periodicity and Stability in Periodic n-Species Lotka-Volterra Competition System with Feedback Controls and Deviating Arguments. Acta Mathematica Sinica, English Series, 2003, 19, 801-822.	0.2	63
68	Dynamics of a class of nonautonomous semi-ratio-dependent predator–prey systems with functional responses. Journal of Mathematical Analysis and Applications, 2003, 278, 443-471.	0.5	75
69	Dynamics of a non-autonomous ratio-dependent predator–prey system. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2003, 133, 97-118.	0.8	74
70	Periodic Solutions of Nonautonomous Discrete Predator-Prey System of Lotka-Volterra Type. Applicable Analysis, 2002, 81, 801-812.	0.6	22
71	Periodicity in a "Food-limited"Population Model with Toxicants and Time Delays. Acta Mathematicae Applicatae Sinica, 2002, 18, 309-314.	0.4	18
72	Periodic solutions of a discrete time nonautonomous ratio-dependent predator-prey system. Mathematical and Computer Modelling, 2002, 35, 951-961.	2.0	164

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73	Global stability of an SEIS epidemic model with recruitment and a varying total population size. Mathematical Biosciences, 2001, 170, 199-208.	0.9	115
74	Global Existence of Positive Periodic Solutions of Periodic Predator–Prey System with Infinite Delays. Journal of Mathematical Analysis and Applications, 2001, 262, 1-11.	0.5	45
75	Periodicity in a Delayed Ratio-Dependent Predator–Prey System. Journal of Mathematical Analysis and Applications, 2001, 262, 179-190.	0.5	92
76	Global periodic solutions of a generalized n-species Gilpin-Ayala competition model. Computers and Mathematics With Applications, 2000, 40, 1141-1151.	1.4	91
77	Periodic solutions of convex neutral functional differential equations. Tohoku Mathematical Journal, 2000, 52, 47.	0.4	11
78	Existence and global attractivity of positive periodic solutions of periodic n-species Lotka–Volterra competition systems with several deviating arguments. Mathematical Biosciences, 1999, 160, 47-61.	0.9	97
79	Optimal harvesting policy for single population with periodic coefficients. Mathematical Biosciences, 1998, 152, 165-178.	0.9	119