Meng Liu

List of Publications by Year
in descending order

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100	3,397	109321	161849
papers	citations	35 h-index	54 g-index

103	103	103	629
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Survival Analysis of Stochastic Competitive Models in a Polluted Environment and Stochastic Competitive Exclusion Principle. Bulletin of Mathematical Biology, 2011, 73, 1969-2012.	1.9	214
2	Persistence and extinction in stochastic non-autonomous logistic systems. Journal of Mathematical Analysis and Applications, 2011, 375, 443-457.	1.0	143
3	Stochastic Lotkaâ€“Volterra systems with LÃ©vy noise. Journal of Mathematical Analysis and Applications, 2014, 410, 750-763.	1.0	140
4	Analysis of a stochastic tri-trophic food-chain model with harvesting. Journal of Mathematical Biology, 2016, 73, 597-625.	1.9	115
5	Dynamics of a Leslieâ€“Gower Holling-type II predatorâ€“prey system with LÃ©vy jumps. Nonlinear Analysis: Theory, Methods & Applications, 2013, 85, 204-213.	1.1	114
6	The Evolutionary Dynamics of Stochastic Epidemic Model with Nonlinear Incidence Rate. Bulletin of Mathematical Biology, 2015, 77, 1705-1743.	1.9	97
7	Permanence of Stochastic Lotkaâ€“Volterra Systems. Journal of Nonlinear Science, 2017, 27, 425-452.	2.1	95
8	Dynamics of a Two-Prey One-Predator System in Random Environments. Journal of Nonlinear Science, 2013, 23, 751-775.	2.1	84
9	Dynamics of a stochastic regime-switching predatorâ€“prey model with harvesting and distributed delays. Nonlinear Analysis: Hybrid Systems, 2018, 28, 87-104.	3.5	80
10	Global stability of a nonlinear stochastic predatorâ€“prey system with Beddingtonâ€“DeAngelis functional response. Communications in Nonlinear Science and Numerical Simulation, 2011, 16, 1114-1121.	3.3	77
11	On a stochastic logistic equation with impulsive perturbations. Computers and Mathematics With Applications, 2012, 63, 871-886.	2.7	75
12	Persistence and extinction of a stochastic single-specie model under regime switching in a polluted environment. Journal of Theoretical Biology, 2010, 264, 934-944.	1.7	73
13	Survival analysis of stochastic single-species population models in polluted environments. Ecological Modelling, 2009, 220, 1347-1357.	2.5	65
14	Population dynamical behavior of Lotka-Volterra cooperative systems with random perturbations. Discrete and Continuous Dynamical Systems, 2013, 33, 2495-2522.	0.9	61
15	Analysis of a stochastic autonomous mutualism model. Journal of Mathematical Analysis and Applications, 2013, 402, 392-403.	1.0	60
16	Stationary distribution and ergodicity of a stochastic hybrid competition model with LÃ©vy jumps. Nonlinear Analysis: Hybrid Systems, 2018, 30, 225-239.	3.5	60
17	Dynamics of a stochastic regime-switching predatorâ€“prey model with modified Leslieâ€“Gower Holling-type II schemes and prey harvesting. Nonlinear Dynamics, 2019, 96, 417-442.	5.2	58
18	Persistence, extinction and global asymptotical stability of a non-autonomous predatorâ€“prey model with random perturbation. Applied Mathematical Modelling, 2012, 36, 5344-5353.	4.2	57

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19	Persistence and extinction of a modified Leslieâ€“Gower Holling-type II stochastic predatorâ€“prey model with impulsive toxicant input in polluted environments. Nonlinear Analysis: Hybrid Systems, 2018, 27, 177-190.	3.5	56
20	Optimal Harvesting of a Stochastic Logistic Model with Time Delay. Journal of Nonlinear Science, 2015, 25, 277-289.	2.1	53
21	Stationary distribution, ergodicity and extinction of a stochastic generalized logistic system. Applied Mathematics Letters, 2012, 25, 1980-1985.	2.7	52
22	Population dynamical behavior of a two-predator one-prey stochastic model with time delay. Discrete and Continuous Dynamical Systems, 2017, 37, 2513-2538.	0.9	51
23	SURVIVAL ANALYSIS OF A STOCHASTIC COOPERATION SYSTEM IN A POLLUTED ENVIRONMENT. Journal of Biological Systems, 2011, 19, 183-204.	1.4	49
24	Stationary distribution and ergodicity of a stochastic food-chain model with LÃ©vy jumps. Physica A: Statistical Mechanics and Its Applications, 2017, 482, 14-28.	2.6	47
25	Optimal harvesting of a stochastic mutualism model with LÃ©vy jumps. Applied Mathematics and Computation, 2016, 276, 301-309.	2.2	46
26	Dynamics of a stochastic Holling II one-predator two-prey system with jumps. Physica A: Statistical Mechanics and Its Applications, 2015, 421, 571-582.	2.6	44
27	Optimal harvesting policy of a stochastic predatorâ€“prey model with time delay. Applied Mathematics Letters, 2015, 48, 102-108.	2.7	43
28	Asymptotic properties and simulations of a stochastic logistic model under regime switching. Mathematical and Computer Modelling, 2011, 54, 2139-2154.	2.0	42
29	Dynamics of a stochastic one-prey two-predator model with LÃ©vy jumps. Applied Mathematics and Computation, 2016, 284, 308-321.	2.2	41
30	Stability of a stochastic one-predator-two-prey population model with time delays. Communications in Nonlinear Science and Numerical Simulation, 2017, 53, 65-82.	3.3	41
31	Global stability of stage-structured predatorâ€“prey models with Beddingtonâ€“DeAngelis functional response. Communications in Nonlinear Science and Numerical Simulation, 2011, 16, 3792-3797.	3.3	40
32	A remark on a stochastic predatorâ€“prey system with time delays. Applied Mathematics Letters, 2013, 26, 318-323.	2.7	40
33	Analysis of a stochastic tumor-immune model with regime switching and impulsive perturbations. Applied Mathematical Modelling, 2020, 78, 482-504.	4.2	40
34	Asymptotic stability of a two-group stochastic SEIR model with infinite delays. Communications in Nonlinear Science and Numerical Simulation, 2014, 19, 3444-3453.	3.3	39
35	Dynamical behavior of a one-prey two-predator model with random perturbations. Communications in Nonlinear Science and Numerical Simulation, 2015, 28, 123-137.	3.3	37
36	Asymptotic behavior of a stochastic nonautonomous Lotkaâ€“Volterra competitive system with impulsive perturbations. Mathematical and Computer Modelling, 2013, 57, 909-925.	2.0	36

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37	Dynamics of a stochastic delay competitive model with harvesting and Markovian switching. Applied Mathematics and Computation, 2018, 337, 335-349.	2.2	36
38	Asymptotic properties and simulations of a stochastic logistic model under regime switching II. Mathematical and Computer Modelling, 2012, 55, 405-418.	2.0	35
39	Global asymptotic stability of a stochastic Lotkaâ€“Volterra model with infinite delays. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 3115-3123.	3.3	34
40	Permanence and extinction of a stochastic hybrid model for tumor growth. Applied Mathematics Letters, 2019, 94, 66-72.	2.7	34
41	Stability of a budworm growth model with random perturbations. Applied Mathematics Letters, 2018, 79, 13-19.	2.7	33
42	Stationary distribution of a stochastic hybrid phytoplanktonâ€“zooplankton model with toxin-producing phytoplankton. Applied Mathematics Letters, 2020, 101, 106077.	2.7	33
43	Analysis of a stochastic hybrid population model with Allee effect. Applied Mathematics and Computation, 2020, 364, 124582.	2.2	32
44	Dynamics of a stochastic predatorâ€“prey system with Beddingtonâ€“DeAngelis functional response. Applied Mathematics and Computation, 2012, 219, 2303-2312.	2.2	30
45	Analysis of stochastic two-prey one-predator model with LÃ©vy jumps. Physica A: Statistical Mechanics and Its Applications, 2016, 445, 176-188.	2.6	28
46	Persistence and extinction of a single-species population system in a polluted environment with random perturbations and impulsive toxicant input. Chaos, Solitons and Fractals, 2012, 45, 1541-1550.	5.1	27
47	Optimal harvesting of a stochastic mutualism model with regime-switching. Applied Mathematics and Computation, 2020, 373, 125040.	2.2	27
48	Stationary distribution of a stochastic ratio-dependent predator-prey system with regime-switching. Chaos, Solitons and Fractals, 2021, 142, 110462.	5.1	26
49	Persistence and extinction of a stochastic single-specie model under regime switching in a polluted environment II. Journal of Theoretical Biology, 2010, 267, 283-291.	1.7	25
50	A note on stability of stochastic logistic equation. Applied Mathematics Letters, 2013, 26, 601-606.	2.7	24
51	Optimal harvesting policy for a stochastic predatorâ€“prey model. Applied Mathematics Letters, 2014, 34, 22-26.	2.7	24
52	Extinction and permanence in a stochastic non-autonomous population system. Applied Mathematics Letters, 2010, 23, 1464-1467.	2.7	22
53	Long term behaviors of stochastic single-species growth models in a polluted environment. Applied Mathematical Modelling, 2011, 35, 752-762.	4.2	22
54	Stability of a stochastic logistic model with distributed delay. Mathematical and Computer Modelling, 2013, 57, 1112-1121.	2.0	22

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55	Persistence and extinction of a stochastic delay Logistic equation under regime switching. Applied Mathematics Letters, 2013, 26, 140-144.	2.7	21
56	On a stochastic delayed predatorâ€“prey model with LÃ©vy jumps. Applied Mathematics and Computation, 2014, 228, 563-570.	2.2	20
57	A note on a delay Lotkaâ€“Volterra competitive system with random perturbations. Applied Mathematics Letters, 2013, 26, 589-594.	2.7	19
58	Analysis of a stochastic logistic model with diffusion. Applied Mathematics and Computation, 2015, 266, 169-182.	2.2	19
59	Dynamical bifurcation and explicit stationary density of a stochastic population model with Allee effects. Applied Mathematics Letters, 2021, 111, 106662.	2.7	18
60	Dynamics and simulations of a logistic model with impulsive perturbations in a random environment. Mathematics and Computers in Simulation, 2013, 92, 53-75.	4.4	17
61	Modeling and analysis of a non-autonomous single-species model with impulsive and random perturbations. Applied Mathematical Modelling, 2016, 40, 5510-5531.	4.2	17
62	Optimal harvesting policy of a stochastic food chain population model. Applied Mathematics and Computation, 2014, 245, 265-270.	2.2	16
63	Global asymptotic stability of a stochastic delayed predatorâ€“prey model with Beddingtonâ€“DeAngelis functional response. Applied Mathematics and Computation, 2014, 226, 581-588.	2.2	15
64	Optimal harvesting of a stochastic delay competitive model. Discrete and Continuous Dynamical Systems - Series B, 2017, 22, 1493-1508.	0.9	15
65	Optimal Harvesting of Stochastic Population Models with Periodic Coefficients. Journal of Nonlinear Science, 2022, 32, 1.	2.1	15
66	Stochastic logistic equation with infinite delay. Mathematical Methods in the Applied Sciences, 2012, 35, 812-827.	2.3	14
67	Global asymptotic stability of stochastic Lotkaâ€“Volterra systems with infinite delays. IMA Journal of Applied Mathematics, 2015, 80, 1431-1453.	1.6	14
68	Permanence and extinction in a stochastic serviceâ€“resource mutualism model. Applied Mathematics Letters, 2017, 69, 1-7.	2.7	14
69	Optimal harvesting of a stochastic commensalism model with time delay. Physica A: Statistical Mechanics and Its Applications, 2019, 527, 121284.	2.6	13
70	Invariant measure of a stochastic food-limited population model with regime switching. Mathematics and Computers in Simulation, 2020, 178, 16-26.	4.4	13
71	Dynamics of a nutrient-phytoplankton model with random phytoplankton mortality. Journal of Theoretical Biology, 2020, 488, 110119.	1.7	12
72	Optimal impulsive harvesting strategy of a stochastic Gompertz model in periodic environments. Applied Mathematics Letters, 2022, 125, 107733.	2.7	11

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73	Survival analysis of a cooperation system with random perturbations in a polluted environment. Nonlinear Analysis: Hybrid Systems, 2015, 18, 100-116.	3.5	10
74	Survival analysis of a stochastic single-species population model with jumps in a polluted environment. International Journal of Biomathematics, 2016, 09, 1650011.	2.9	10
75	Long term behaviors of stochastic single-species growth models in a polluted environment II. Applied Mathematical Modelling, 2011, 35, 4438-4448.	4.2	9
76	The asymptotic behaviours of an epidemic model with two correlated stochastic perturbations. Applied Mathematics and Computation, 2012, 218, 10520-10532.	2.2	9
77	Stability analysis of a stochastic logistic model with infinite delay. Communications in Nonlinear Science and Numerical Simulation, 2013, 18, 2289-2294.	3.3	9
78	A remark on stochastic Logistic model with diffusion. Applied Mathematics and Computation, 2014, 228, 141-146.	2.2	9
79	Persistence and extinction of a stochastic predatorâ€“prey model with modified Leslieâ€“Gower and Holling-type II schemes. Advances in Difference Equations, 2020, 2020, .	3.5	8
80	Long-time behaviors of two stochastic mussel-algae models. Mathematical Biosciences and Engineering, 2021, 18, 8392-8414.	1.9	7
81	The threshold between permanence and extinction for a stochastic Logistic model with regime switching. Journal of Applied Mathematics and Computing, 2013, 43, 329-349.	2.5	6
82	A remark on a stochastic logistic model with LÃ©vy jumps. Applied Mathematics and Computation, 2015, 251, 521-526.	2.2	6
83	Survival analysis of a stochastic serviceâ€“resource mutualism model in a polluted environment with pulse toxicant input. Physica A: Statistical Mechanics and Its Applications, 2019, 521, 591-606.	2.6	6
84	Persistence and extinction of an n-species mutualism model with random perturbations in a polluted environment. Physica A: Statistical Mechanics and Its Applications, 2018, 491, 313-324.	2.6	5
85	ANALYSIS OF A STOCHASTIC TWO-PREDATORS ONE-PREY SYSTEM WITH MODIFIED LESLIE-GOWER AND HOLLING-TYPE â…¡ SCHEMES. Journal of Applied Analysis and Computation, 2017, 7, 713-727.	0.5	5
86	Persistence and extinction of a stochastic cooperative model in a polluted environment with pulse toxicant input. Filomat, 2015, 29, 1329-1342.	0.5	5
87	DYNAMICAL PROPERTIES OF A STOCHASTIC TWO-SPECIES SCHOENER'S COMPETITIVE MODEL. International Journal of Biomathematics, 2012, 05, 1250035.	2.9	4
88	Analysis of an improved epidemic model with stochastic disease transmission. Applied Mathematics and Computation, 2012, 218, 9750-9758.	2.2	4
89	Stability of a stochastic logistic model under regime switching. Advances in Difference Equations, 2015, 2015, .	3.5	4
90	Stochastic Lotka-Volterra systems under regime switching with jumps. Filomat, 2014, 28, 1907-1928.	0.5	4

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91	A Generalization of ItÃ^s Formula and the Stability of Stochastic Volterra Integral Equations. Journal of Applied Mathematics, 2012, 2012, 1-16.	0.9	3
92	Can protection zone potentially strengthen protective effects in random environments?. Applied Mathematics and Computation, 2014, 231, 26-38.	2.2	3
93	Dynamics of a stochastic Lotka-Volterra model with regime switching. Journal of Applied Mathematics and Computing, 2014, 45, 327-349.	2.5	2
94	Global asymptotic stability of stochastic competitive system with infinite delays. Journal of Applied Mathematics and Computing, 2016, 50, 93-107.	2.5	2
95	Persistence and extinction of a non-autonomous logistic model with random perturbations. Communications in Mathematical Sciences, 2012, 10, 977-987.	1.0	2
96	Dynamics of a non-autonomous stochastic Gilpin-Ayala model. Journal of Applied Mathematics and Computing, 2013, 43, 351-368.	2.5	1
97	Analysis of Stochastic Delay Predator-Prey System with Impulsive Toxicant Input in Polluted Environments. Abstract and Applied Analysis, 2013, 2013, 1-9.	0.7	1
98	Dynamics of a stochastic population model with Allee effects under regime switching. Advances in Difference Equations, 2020, 2020, .	3.5	1
99	Stochastic Differential Equations with Multi-Markovian Switching. Journal of Applied Mathematics, 2013, 2013, 1-11.	0.9	0
100	Dynamics of a Stochastic Delayed Competitive Model with Impulsive Toxicant Input in Polluted Environments. Abstract and Applied Analysis, 2014, 2014, 1-8.	0.7	0