

Qun Liu

List of Publications by Year in descending order

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50
papers

1,016
citations

566801

15
h-index

433756

31
g-index

50
all docs

50
docs citations

50
times ranked

314
citing authors

#	ARTICLE	IF	CITATIONS
1	The ergodicity and extinction of stochastically perturbed SIR and SEIR epidemic models with saturated incidence. <i>Journal of Mathematical Analysis and Applications</i> , 2012, 388, 248-271.	0.5	172
2	The extinction and persistence of the stochastic SIS epidemic model with vaccination. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 4916-4927.	1.2	124
3	Stationary distribution of stochastic SIS epidemic model with vaccination under regime switching. <i>Applied Mathematics Letters</i> , 2016, 59, 87-93.	1.5	107
4	Dynamics of a Stochastic Predator–Prey Model with Stage Structure for Predator and Holling Type II Functional Response. <i>Journal of Nonlinear Science</i> , 2018, 28, 1151-1187.	1.0	68
5	The long time behavior of DI SIR epidemic model with stochastic perturbation. <i>Journal of Mathematical Analysis and Applications</i> , 2010, 372, 162-180.	0.5	60
6	Dynamics and density function analysis of a stochastic SVI epidemic model with half saturated incidence rate. <i>Chaos, Solitons and Fractals</i> , 2020, 137, 109865.	2.5	53
7	Asymptotic behavior of a stochastic delayed SEIR epidemic model with nonlinear incidence. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 462, 870-882.	1.2	40
8	Dynamics of a stochastic HIV-1 infection model with logistic growth. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 469, 706-717.	1.2	36
9	Periodic Solution and Stationary Distribution of Stochastic Predator–Prey Models with Higher-Order Perturbation. <i>Journal of Nonlinear Science</i> , 2018, 28, 423-442.	1.0	31
10	Stationary distribution and extinction of a stochastic SIRI epidemic model with relapse. <i>Stochastic Analysis and Applications</i> , 2018, 36, 138-151.	0.9	26
11	The impact of virus carrier screening and actively seeking treatment on dynamical behavior of a stochastic HIV/AIDS infection model. <i>Applied Mathematical Modelling</i> , 2020, 85, 378-404.	2.2	26
12	Periodic solution and stationary distribution of stochastic SIR epidemic models with higher order perturbation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 482, 209-217.	1.2	25
13	Threshold behavior in a stochastic HTLV-1 infection model with CTL immune response and regime switching. <i>Mathematical Methods in the Applied Sciences</i> , 2018, 41, 6866-6882.	1.2	19
14	Nontrivial periodic solution of a stochastic non-autonomous SISV epidemic model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 462, 837-845.	1.2	18
15	Stationary Distribution and Extinction of a Stochastic HIV-1 Infection Model with Distributed Delay and Logistic Growth. <i>Journal of Nonlinear Science</i> , 2020, 30, 369-395.	1.0	17
16	Ergodic property, extinction and density function of a stochastic SIR epidemic model with nonlinear incidence and general stochastic perturbations. <i>Chaos, Solitons and Fractals</i> , 2021, 152, 111338.	2.5	17
17	Stationary distribution of a stochastic SIS epidemic model with double diseases and the Beddington-DeAngelis incidence. <i>Chaos</i> , 2017, 27, 083126.	1.0	16
18	Stationary distribution and extinction of a stochastic one-prey two-predator model with Holling type II functional response. <i>Stochastic Analysis and Applications</i> , 2019, 37, 321-345.	0.9	14

#	ARTICLE	IF	CITATIONS
19	The dynamics of a stochastic vaccinated tuberculosis model with treatment. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 527, 121274.	1.2	11
20	Stationary distribution and extinction of the DS-I-A model disease with periodic parameter function and Markovian switching. <i>Applied Mathematics and Computation</i> , 2017, 311, 66-84.	1.4	10
21	Dynamical behavior of a stochastic multigroup SIR epidemic model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 526, 120975.	1.2	9
22	Analysis of a stochastic logistic model with diffusion and Ornstein-Uhlenbeck process. <i>Journal of Mathematical Physics</i> , 2022, 63, .	0.5	9
23	Dynamics of a multigroup SIQS epidemic model under regime switching. <i>Stochastic Analysis and Applications</i> , 2020, 38, 769-796.	0.9	8
24	Dynamical behavior of a stochastic predator-prey model with stage structure for prey. <i>Stochastic Analysis and Applications</i> , 2020, 38, 647-667.	0.9	8
25	Periodic Solutions of a Stochastic Food-Limited Mutualism Model. <i>Methodology and Computing in Applied Probability</i> , 2020, 22, 267-278.	0.7	7
26	Stationary distribution and extinction of a stochastic model of syphilis transmission in an MSM population with telegraph noises. <i>Journal of Applied Mathematics and Computing</i> , 2021, 66, 645-672.	1.2	7
27	Threshold dynamics of a stochastic SIS epidemic model with nonlinear incidence rate. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 526, 120946.	1.2	6
28	Long-time behaviour of a stochastic chemostat model with distributed delay. <i>Stochastics</i> , 2019, 91, 1141-1163.	0.6	6
29	Dynamical behavior of stochastic predator-prey models with distributed delay and general functional response. <i>Stochastic Analysis and Applications</i> , 2020, 38, 403-426.	0.9	6
30	A note on the stationary distribution of a three-species food web stochastic model with generalist predator. <i>Applied Mathematics Letters</i> , 2021, 114, 106929.	1.5	6
31	Virus infection model under nonlinear perturbation: Ergodic stationary distribution and extinction. <i>Journal of the Franklin Institute</i> , 2022, 359, 11039-11067.	1.9	6
32	Dynamics of a multigroup SIS epidemic model with standard incidence rates and Markovian switching. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 527, 121270.	1.2	5
33	Stationary distribution of a stochastic predator-prey model with distributed delay and general functional response. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 513, 273-287.	1.2	5
34	Stationary distribution of a stochastic cholera model with imperfect vaccination. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 550, 124031.	1.2	5
35	Dynamical behavior of a stochastic multigroup staged-progression HIV model with saturated incidence rate and higher-order perturbations. <i>International Journal of Biomathematics</i> , 0, , 2150051.	1.5	5
36	Dynamical behavior of a stochastic model of gene expression with distributed delay and degenerate diffusion. <i>Stochastic Analysis and Applications</i> , 2018, 36, 584-599.	0.9	4

#	ARTICLE	IF	CITATIONS
37	The stationary distribution and extinction of a double thresholds HTLV-I infection model with nonlinear CTL immune response disturbed by white noise. <i>International Journal of Biomathematics</i> , 2019, 12, 1950058.	1.5	3
38	Influence of stochastic perturbation on an SIRI epidemic model with relapse. <i>Applicable Analysis</i> , 2020, 99, 549-568.	0.6	3
39	Dynamics of a stochastic HIV/AIDS model with treatment under regime switching. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2022, 27, 3177.	0.5	3
40	Threshold Dynamics of a Non-Linear Stochastic Viral Model with Time Delay and CTL Responsiveness. <i>Life</i> , 2021, 11, 766.	1.1	3
41	Dynamics of a stochastic multigroup S-DI-A model for the transmission of HIV. <i>Applicable Analysis</i> , 2022, 101, 747-772.	0.6	2
42	Dynamics of a stochastic multigroup SEI epidemic model. <i>Stochastic Analysis and Applications</i> , 2022, 40, 623-656.	0.9	2
43	Stationary distribution and extinction of a stochastic multigroup DS-DI-a model for the transmission of HIV. <i>Stochastic Analysis and Applications</i> , 2022, 40, 830-853.	0.9	2
44	Dynamics of DSâ€œIâ€œA epidemic model with multiple stochastic perturbations. <i>Mathematical Methods in the Applied Sciences</i> , 2018, 41, 6024-6049.	1.2	1
45	Threshold of a regime-switching SIRS epidemic model with a ratio-dependent incidence rate. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 521, 614-625.	1.2	1
46	Stationary distribution and periodic solution of a stochastic Nicholson's blowflies model with distributed delay. <i>Mathematical Methods in the Applied Sciences</i> , 0, , .	1.2	1
47	Stationary distribution of a stochastic model for the transmission dynamics of criminality and victimization with migration. <i>Stochastic Analysis and Applications</i> , 2022, 40, 996-1025.	0.9	1
48	On the Dynamics Behaviors of a Stochastic Echinococcosis Infection Model with Environmental Noise. <i>Discrete Dynamics in Nature and Society</i> , 2021, 2021, 1-18.	0.5	1
49	The impact of nonlinear perturbation to the dynamics of HIV model. <i>Mathematical Methods in the Applied Sciences</i> , 0, , .	1.2	1
50	Dynamics of a stochastic tuberculosis transmission model with treatment at home. <i>Stochastic Analysis and Applications</i> , 2020, 38, 979-1000.	0.9	0