San-Ling Yuan

List of Publications by Year
in descending order

78 papers	2,193 citations	186265 28 h-index	243625 44 g-index
78 all docs	78 docs citations	78 times ranked	602 citing authors

#	Article	IF	Citations
1	A predator-prey model with different response functions to juvenile and adult prey in deterministic and stochastic environments. Applied Mathematics and Computation, 2022, 413, 126598.	2.2	26
2	Hopf bifurcation of a fractional-order double-ring structured neural network model with multiple communication delays. Nonlinear Dynamics, 2022, 108, 379-396.	5.2	18
3	A coral reef benthic system with grazing intensity and immigrated macroalgae in deterministic and stochastic environments. Mathematical Biosciences and Engineering, 2022, 19, 3449-3471.	1.9	0
4	Spatiotemporal patterns of a diffusive prey-predator model with spatial memory and pregnancy period in an intimidatory environment. Journal of Mathematical Biology, 2022, 84, 12.	1.9	29
5	Threshold dynamics of a stochastic SIHR epidemic model of COVID-19 with general population-size dependent contact rate. Mathematical Biosciences and Engineering, 2022, 19, 4217-4236.	1.9	9
6	Dynamic analysis of a stochastic ecoâ€epidemiological model with disease in predators. Studies in Applied Mathematics, 2022, 149, 5-42.	2.4	16
7	Dynamics of an immune-epidemiological model with virus evolution and superinfection. Journal of the Franklin Institute, 2022, 359, 3210-3237.	3.4	1
8	Kinetics of phosphate uptake in the dinoflagellate Karenia mikimotoi in response to phosphate stress and temperature. Ecological Modelling, 2022, 468, 109909.	2.5	8
9	Adaptive Dynamics of a Stoichiometric Phosphorusâ€"Algaeâ€"Zooplankton Model with Environmental Fluctuations. Journal of Nonlinear Science, 2022, 32, 1.	2.1	5
10	Relationship between the Spatial and Temporal Distribution of Squid-Jigging Vessels Operations and Marine Environment in the North Pacific Ocean. Journal of Marine Science and Engineering, 2022, 10, 550.	2.6	8
11	Stochastic switches of eutrophication and oligotrophication: Modeling extreme weather via non-Gaussian LÃ©vy noise. Chaos, 2022, 32, 043116.	2.5	10
12	Nearâ€optimal control of a stochastic model for mountain pine beetles with pesticide application. Studies in Applied Mathematics, 2022, 149, 678-704.	2.4	2
13	Critical bait casting threshold of cage culture in open advective environments. Applied Mathematics Letters, 2022, 134, 108312.	2.7	2
14	Analysis and probabilistic simulation of <i>Listeria monocytogenes</i> inactivation in cooked beef during unsteady heating. International Journal of Food Science and Technology, 2021, 56, 2282-2290.	2.7	4
15	Dynamics of a stochastic predator-prey model with habitat complexity and prey aggregation. Ecological Complexity, 2021, 45, 100889.	2.9	48
16	Competitive Exclusion in a General Multi-species Chemostat Model with Stochastic Perturbations. Bulletin of Mathematical Biology, 2021, 83, 4.	1.9	34
17	The impact of hospital resources and environmental perturbations to the dynamics of SIRS model. Journal of the Franklin Institute, 2021, 358, 2405-2433.	3.4	44
18	Spatial Analysis of the Fishing Behaviour of Tuna Purse Seiners in the Western and Central Pacific Based on Vessel Trajectory Data. Journal of Marine Science and Engineering, 2021, 9, 322.	2.6	8

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19	Complex dynamics of a predator–prey system with herd and schooling behavior: with or without delay and diffusion. Nonlinear Dynamics, 2021, 104, 1709-1735.	5.2	12
20	Dynamics of a ratio-dependent population model for Green Sea Turtle with age structure. Journal of Theoretical Biology, 2021, 516, 110614.	1.7	3
21	Dynamics of a toxic producing phytoplankton–zooplankton model with three–dimensional patch. Applied Mathematics Letters, 2021, 118, 107146.	2.7	17
22	Dynamics of an Age Structured Heroin Transmission Model with Imperfect Vaccination. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2021, 31, 2150157.	1.7	7
23	The effect of delay interval on the feedback control for a turbidostat model. Journal of the Franklin Institute, 2021, 358, 7628-7649.	3.4	6
24	Noise-induced transitions in a non-smooth SIS epidemic model with media alert. Mathematical Biosciences and Engineering, 2021, 18, 745-763.	1.9	13
25	Pattern dynamics in a diffusive predator-prey model with hunting cooperations. Chaos, Solitons and Fractals, 2020, 130, 109428.	5.1	48
26	Threshold behavior in a stochastic algal growth model with stoichiometric constraints and seasonal variation. Journal of Differential Equations, 2020, 268, 5113-5139.	2.2	71
27	Survival analysis of a stochastic predator–prey model with prey refuge and fear effect. Journal of Biological Dynamics, 2020, 14, 871-892.	1.7	15
28	Noise-Induced Transitions in a Nonsmooth Producer–Grazer Model with Stoichiometric Constraints. Bulletin of Mathematical Biology, 2020, 82, 55.	1.9	39
29	Richards Growth Model Driven by Multiplicative and Additive Colored Noises: Steady-State Analysis. Fluctuation and Noise Letters, 2020, 19, 2050032.	1.5	2
30	Turing Pattern Induced by Cross-Diffusion in a Predator–Prey Model with Pack Predation-Herd Behavior. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2020, 30, 2050103.	1.7	11
31	Asymptotic properties of a stochastic chemostat model with two distributed delays and nonlinear perturbation. Discrete and Continuous Dynamical Systems - Series B, 2020, 25, 2373-2390.	0.9	15
32	Asymptotic properties of stochastic nutrient-plankton food chain models with nutrient recycling. Nonlinear Analysis: Hybrid Systems, 2019, 34, 209-225.	3.5	63
33	Pattern Dynamics of a Diffusive Toxin Producing Phytoplankton–Zooplankton Model with Three-Dimensional Patch. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2019, 29, 1930011.	1.7	47
34	Regulation of phosphate uptake kinetics in the bloom-forming dinoflagellates prorocentrum donghaiense with emphasis on two-stage dynamic process. Journal of Theoretical Biology, 2019, 463, 12-21.	1.7	15
35	Cross-diffusion induced Turing instability for a competition model with saturation effect. Applied Mathematics and Computation, 2019, 347, 64-77.	2.2	31
36	Optimal harvesting strategy of a stochastic inshore–offshore hairtail fishery model driven by Lévy jumps in a polluted environment. Nonlinear Dynamics, 2019, 95, 1529-1548.	5.2	12

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37	Survival and ergodicity of a stochastic phytoplankton–zooplankton model with toxin-producing phytoplankton in an impulsive polluted environment. Applied Mathematics and Computation, 2019, 347, 249-264.	2.2	72
38	Stochastic sensitivity analysis of noise-induced transitions in a predator-prey model with environmental toxins. Mathematical Biosciences and Engineering, 2019, 16, 2141-2153.	1.9	16
39	Average break-even concentration in a simple chemostat model with telegraph noise. Nonlinear Analysis: Hybrid Systems, 2018, 29, 373-382.	3.5	44
40	An edge-based SIR model for sexually transmitted diseases on the contact network. Journal of Theoretical Biology, 2018, 439, 216-225.	1.7	14
41	Sensitivity analysis and feedback control of noise-induced extinction for competition chemostat model with mutualism. Physica A: Statistical Mechanics and Its Applications, 2018, 505, 891-902.	2.6	31
42	The effects of toxin-producing phytoplankton and environmental fluctuations on the planktonic blooms. Nonlinear Dynamics, 2018, 91, 1653-1668.	5.2	74
43	Persistence and ergodicity of a stochastic single species model with Allee effect under regime switching. Communications in Nonlinear Science and Numerical Simulation, 2018, 59, 359-374.	3.3	91
44	Confidence domain in the stochastic competition chemostat model with feedback control. Applied Mathematics, 2018, 33, 379-389.	1.0	4
45	Sharp conditions for the existence of a stationary distribution in one classical stochastic chemostat. Applied Mathematics and Computation, 2018, 339, 199-205.	2.2	29
46	The effect of media coverage on threshold dynamics for a stochastic SIS epidemic model. Physica A: Statistical Mechanics and Its Applications, 2018, 512, 248-260.	2.6	21
47	About the optimal harvesting of a fuzzy predator–prey system: a bioeconomic model incorporating prey refuge and predator mutual interference. Nonlinear Dynamics, 2018, 94, 2143-2160.	5.2	19
48	Optimal harvesting policy of a stochastic two-species competitive model with Lévy noise in a polluted environment. Physica A: Statistical Mechanics and Its Applications, 2017, 477, 20-33.	2.6	26
49	Break-even concentration and periodic behavior of a stochastic chemostat model with seasonal fluctuation. Communications in Nonlinear Science and Numerical Simulation, 2017, 46, 62-73.	3.3	14
50	Stochastic periodic solution of a non-autonomous toxic-producing phytoplankton allelopathy model with environmental fluctuation. Communications in Nonlinear Science and Numerical Simulation, 2017, 44, 266-276.	3.3	49
51	Analysis of Transmission and Control of Tuberculosis in Mainland China, 2005–2016, Based on the Age-Structure Mathematical Model. International Journal of Environmental Research and Public Health, 2017, 14, 1192.	2.6	50
52	STABILITY OF A STOCHASTIC SEIS MODEL WITH SATURATION INCIDENCE AND LATENT PERIOD. Journal of Applied Analysis and Computation, 2017, 7, 1652-1673.	0.5	2
53	Asymptotic behavior of a delayed stochastic logistic model with impulsive perturbations. Mathematical Biosciences and Engineering, 2017, 14, 1477-1498.	1.9	9
54	Global dynamics of a predator–prey model with defense mechanism for prey. Applied Mathematics Letters, 2016, 62, 42-48.	2.7	64

#	ARTICLE	IF	CITATIONS
55	Stochastic Sensitivity Analysis for a Competitive Turbidostat Model with Inhibitory Nutrients. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2016, 26, 1650173.	1.7	26
56	Competition in the chemostat: A stochastic multi-species model and its asymptotic behavior. Mathematical Biosciences, 2016, 280, 1-9.	1.9	61
57	Disease invasion risk in a growing population. Journal of Mathematical Biology, 2016, 73, 665-681.	1.9	5
58	Analysis of a stochastic model for algal bloom with nutrient recycling. International Journal of Biomathematics, 2016, 09, 1650083.	2.9	9
59	Stability in distribution of a stochastic hybrid competitive Lotka–Volterra model with Lévy jumps. Chaos, Solitons and Fractals, 2016, 85, 98-109.	5.1	45
60	The effect of Lévy noise on the survival of a stochastic competitive model in an impulsive polluted environment. Applied Mathematical Modelling, 2016, 40, 7583-7600.	4.2	35
61	The stationary distribution and ergodicity of a stochastic phytoplankton allelopathy model under regime switching. Communications in Nonlinear Science and Numerical Simulation, 2016, 37, 131-142.	3.3	65
62	Threshold behavior of a stochastic SIS model with ‹mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si3.gif" overflow="scroll"›‹mml:mrow›‹mml:mtext›L‹/mml:mtext›‹mml:mover accent="true"›‹mml:mtext›e‹/mml:mtext›‹mml:mo›Â´‹/mml:mo›‹/mml:mover›‹mml:mtext›vy‹/mml:mtext›‹/mml:mrow›‹/mml:m jumps. Applied Mathematics and Computation, 2016, 275, 255-267.	2.2	61
63	Critical result on the break-even concentration in a single-species stochastic chemostat model. Journal of Mathematical Analysis and Applications, 2016, 434, 1336-1345.	1.0	48
64	Dynamics of a diffusive age-structured HBV model with saturating incidence. Mathematical Biosciences and Engineering, 2016, 13, 935-968.	1.9	10
65	Survival and Stationary Distribution Analysis of a Stochastic Competitive Model of Three Species in a Polluted Environment. Bulletin of Mathematical Biology, 2015, 77, 1285-1326.	1.9	97
66	An analogue of break-even concentration in a simple stochastic chemostat model. Applied Mathematics Letters, 2015, 48, 62-68.	2.7	74
67	Dynamics of a Stochastic Functional System for Wastewater Treatment. Abstract and Applied Analysis, 2014, 2014, 1-18.	0.7	0
68	Global stability of an SVIR model with age of vaccination. Applied Mathematics and Computation, 2014, 226, 528-540.	2.2	65
69	Global stability of an SVEIR epidemic model with ages of vaccination and latency. Computers and Mathematics With Applications, 2014, 68, 288-308.	2.7	52
70	Spatial dynamics in a predator-prey model with herd behavior. Chaos, 2013, 23, 033102.	2.5	115
71	Asymptotic Behavior of a Chemostat Model with Stochastic Perturbation on the Dilution Rate. Abstract and Applied Analysis, 2013, 2013, 1-11.	0.7	11
72	Dynamics of a plasmid chemostat model with periodic nutrient input and delayed nutrient recycling. Nonlinear Analysis: Real World Applications, 2012, 13, 2104-2119.	1.7	19

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73	Delay induced oscillations in a turbidostat with feedback control. Journal of Mathematical Chemistry, 2011, 49, 1646-1666.	1.5	10
74	Stability and direction of Hopf bifurcations in a pair ofÂidentical tri-neuron network loops. Nonlinear Dynamics, 2010, 61, 569-578.	5.2	8
75	Global asymptotic behavior in chemostat-type competition models with delay. Nonlinear Analysis: Real World Applications, 2009, 10, 1305-1320.	1.7	20
76	Competition between plasmid-bearing and plasmid-free organisms in a chemostat with nutrient recycling and an inhibitor. Mathematical Biosciences, 2006, 202, 1-28.	1.9	19
77	Optimal harvesting of a fuzzy water hyacinth-fish model with Kuznets curve effect. International Journal of Biomathematics, 0, , .	2.9	4
78	Behaviour Impact Analysis of Tuna Purse Seiners in the Western and Central Pacific Based on the BRT and GAM Models. Frontiers in Marine Science, 0, 9, .	2.5	6