

# Shu-Tang Liu

## List of Publications by Year in descending order

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48  
papers

576  
citations

687363

13  
h-index

677142

22  
g-index

48  
all docs

48  
docs citations

48  
times ranked

347  
citing authors

#	ARTICLE	IF	CITATIONS
1	Exponential synchronization of two different discrete-time chaotic neural networks with time delays and stochastic missing data. <i>International Journal of Computer Mathematics</i> , 2022, 99, 1159-1177.	1.8	1
2	Short-term data-based spatial parallel autoreservoir computing on spatiotemporally chaotic system prediction. <i>Neural Computing and Applications</i> , 2022, 34, 8713-8722.	5.6	2
3	Three-dimensional pattern dynamics of a fractional predator-prey model with cross-diffusion and herd behavior. <i>Applied Mathematics and Computation</i> , 2022, 421, 126955.	2.2	6
4	Reachable set bounding for discrete-time nonlinear positive systems with time-varying delay and disturbance. <i>International Journal of Robust and Nonlinear Control</i> , 2022, 32, 6205-6215.	3.7	3
5	Predicting Sea Surface Temperature Based on a Parallel Autoreservoir Computing Approach With Short-Term Measured Data. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2022, 19, 1-5.	3.1	1
6	A brief note on fractal dynamics of fractional Mandelbrot sets. <i>Applied Mathematics and Computation</i> , 2022, 432, 127353.	2.2	8
7	Asymptotic stability and synchronization of fractional delayed memristive neural networks with algebraic constraints. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2022, 114, 106694.	3.3	13
8	Stability analysis of Riemann-Liouville fractional-order neural networks with reaction-diffusion terms and mixed time-varying delays. <i>Neurocomputing</i> , 2021, 431, 169-178.	5.9	27
9	High Dimensional Complexity of Dynamical System in the Big Data. , 2021, , .		0
10	FORMATTING OF JULIA SETS OF COMPLEX DYNAMIC SYSTEMS. <i>Fractals</i> , 2021, 29, 2150069.	3.7	0
11	Stability analysis of the plankton community with advection. <i>Chaos, Solitons and Fractals</i> , 2021, 146, 110836.	5.1	4
12	NEW FRACTAL SETS COINED FROM FRACTIONAL MAPS. <i>Fractals</i> , 2021, 29, .	3.7	6
13	Asymptotical stability of fractional neutral-type delayed neural networks with reaction-diffusion terms. <i>Neurocomputing</i> , 2021, 461, 77-85.	5.9	9
14	Effect of herd-taxis on the self-organization of a plankton community. <i>Chaos, Solitons and Fractals</i> , 2021, 152, 111401.	5.1	0
15	Synchronization of Fractional Reaction-Diffusion Neural Networks With Time-Varying Delays and Input Saturation. <i>IEEE Access</i> , 2021, 9, 50907-50916.	4.2	3
16	Self-Organization in a Plankton Community with Herd Predation and Weakly Nonlinear Diffusion. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2021, 31, .	1.7	1
17	Adaptive synchronization of Julia sets generated by Mittag-Leffler function. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2020, 83, 105115.	3.3	6
18	Temporal Forcing Induced Pattern Transitions Near the Turing-Hopf Bifurcation in a Plankton System. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2020, 30, 2050136.	1.7	5

#	ARTICLE	IF	CITATIONS
19	Fractal Dynamics and Control of the Fractional Potts Model on Diamond-Like Hierarchical Lattices. <i>Discrete Dynamics in Nature and Society</i> , 2020, 2020, 1-8.	0.9	1
20	On fractional difference logistic maps: Dynamic analysis and synchronous control. <i>Nonlinear Dynamics</i> , 2020, 102, 579-588.	5.2	24
21	Stationary distribution and extinction of a stochastic nutrient-phytoplankton-zooplankton model with cell size. <i>Mathematical Methods in the Applied Sciences</i> , 2020, 43, 3886.	2.3	6
22	On the spatial Julia set generated by fractional Lotka-Volterra system with noise. <i>Chaos, Solitons and Fractals</i> , 2019, 128, 129-138.	5.1	16
23	Spatiotemporal dynamics near the Turing-Hopf bifurcation in a toxic-phytoplankton-zooplankton model with cross-diffusion. <i>Nonlinear Dynamics</i> , 2019, 98, 27-37.	5.2	26
24	Pattern Dynamics in a Predator-Prey Model with Schooling Behavior and Cross-Diffusion. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2019, 29, 1950146.	1.7	9
25	Fractal dimension analysis and control of Julia set generated by fractional Lotka-Volterra models. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2019, 72, 417-431.	3.3	17
26	Dynamic behavior analysis of a diffusive plankton model with defensive and offensive effects. <i>Chaos, Solitons and Fractals</i> , 2019, 129, 94-102.	5.1	6
27	Global exponential stability of 2D switched positive nonlinear systems described by the Roeser model. <i>International Journal of Robust and Nonlinear Control</i> , 2019, 29, 2272-2282.	3.7	13
28	FRACTIONAL DIFFUSION-LIMITED AGGREGATION: ANISOTROPY ORIGINATING FROM MEMORY. <i>Fractals</i> , 2019, 27, 1950137.	3.7	10
29	Fractal characteristics of <i>Heterocapsa Circularisquama</i> and <i>Prorocentrum Dentatum</i> cells growth. <i>International Journal of Biomathematics</i> , 2019, 12, 1950090.	2.9	0
30	Fractal analysis and control of the fractional Lotka-Volterra model. <i>Nonlinear Dynamics</i> , 2019, 95, 1457-1470.	5.2	22
31	Exponential synchronization for discrete-time chaotic neural networks with time delays and stochastic perturbations via output feedback control. <i>Mathematical Methods in the Applied Sciences</i> , 2018, 41, 3282-3293.	2.3	3
32	Complex Modified Projective Synchronization for Fractional-order Chaotic Complex Systems. <i>International Journal of Automation and Computing</i> , 2018, 15, 603-615.	4.5	6
33	Dynamic behavior analysis of phytoplankton-zooplankton system with cell size and time delay. <i>Chaos, Solitons and Fractals</i> , 2018, 113, 160-168.	5.1	15
34	Fractal Control Theory. , 2018, , .		13
35	Eigenvalue problems for fractional differential equations with mixed derivatives and generalized p-Laplacian. <i>Nonlinear Analysis: Modelling and Control</i> , 2018, 23, 830-850.	1.6	9
36	Complex modified function projective synchronization of complex chaotic systems with known and unknown complex parameters. <i>Applied Mathematical Modelling</i> , 2017, 48, 440-450.	4.2	37

#	ARTICLE	IF	CITATIONS
37	Permanence and extinction of a nonautonomous impulsive plankton model with help. <i>Mathematical Methods in the Applied Sciences</i> , 2017, 40, 7175-7184.	2.3	4
38	Synchronization and Antisynchronization of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle N \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ -Coupled Complex Permanent Magnet Synchronous Motor Systems with Ring Connection. <i>Complexity</i> , 2017, 2017, 1-15.	1.6	4
39	Exponential Stability of Switched Positive Homogeneous Systems. <i>Complexity</i> , 2017, 2017, 1-8.	1.6	3
40	Generalized combination complex synchronization of new hyperchaotic complex $L^{\frac{1}{4}}$ -like systems. <i>Advances in Difference Equations</i> , 2015, 2015, .	3.5	14
41	Control of the Thermal Fractal Diffusion of Tightly Compressed Heterogeneous Layers of Thin Plates. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-10.	1.1	1
42	Adaptive Control of Accumulative Error for Nonlinear Chaotic Systems. <i>International Journal of Automation and Computing</i> , 2014, 11, 527-535.	4.5	3
43	Full State Hybrid Projective Synchronization and Parameters Identification for Uncertain Chaotic (Hyperchaotic) Complex Systems. <i>Journal of Computational and Nonlinear Dynamics</i> , 2014, 9, .	1.2	17
44	Complex function projective synchronization of complex chaotic system and its applications in secure communication. <i>Nonlinear Dynamics</i> , 2014, 76, 1087-1097.	5.2	81
45	Control effects of Morlet wavelet term on Weierstrass's Mandelbrot function model. <i>Indian Journal of Physics</i> , 2014, 88, 867-874.	1.8	6
46	Adaptive anti-synchronization of chaotic complex nonlinear systems with unknown parameters. <i>Nonlinear Analysis: Real World Applications</i> , 2011, 12, 3046-3055.	1.7	80
47	Anti-synchronization between different chaotic complex systems. <i>Physica Scripta</i> , 2011, 83, 065006.	2.5	35
48	Asymptotic stability of singular delayed reaction-diffusion neural networks. <i>Neural Computing and Applications</i> , 0, , 1.	5.6	0