

# Wanping Liu

## List of Publications by Year in descending order

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54  
papers

819  
citations

567247

15  
h-index

501174

28  
g-index

54  
all docs

54  
docs citations

54  
times ranked

557  
citing authors

#	ARTICLE	IF	CITATIONS
1	A propagation model of computer virus with nonlinear vaccination probability. Communications in Nonlinear Science and Numerical Simulation, 2014, 19, 92-100.	3.3	90
2	Propagation of computer virus both across the Internet and external computers: A complex-network approach. Communications in Nonlinear Science and Numerical Simulation, 2014, 19, 2785-2792.	3.3	72
3	Modeling cyber rumor spreading over mobile social networks: A compartment approach. Applied Mathematics and Computation, 2019, 343, 214-229.	2.2	70
4	Modeling the propagation of mobile malware on complex networks. Communications in Nonlinear Science and Numerical Simulation, 2016, 37, 249-264.	3.3	63
5	Modeling the spread of malware with the influence of heterogeneous immunization. Applied Mathematical Modelling, 2016, 40, 3141-3152.	4.2	58
6	An epidemic model of computer viruses with vaccination and generalized nonlinear incidence rate. Applied Mathematics and Computation, 2013, 222, 265-274.	2.2	55
7	Web malware spread modelling and optimal control strategies. Scientific Reports, 2017, 7, 42308.	3.3	54
8	Propagation of Computer Virus under Human Intervention: A Dynamical Model. Discrete Dynamics in Nature and Society, 2012, 2012, 1-8.	0.9	52
9	Modeling and analyzing the dynamic spreading of epidemic malware by a network eigenvalue method. Applied Mathematical Modelling, 2018, 63, 491-507.	4.2	26
10	A novel dynamic model for web malware spreading over scale-free networks. Physica A: Statistical Mechanics and Its Applications, 2018, 505, 848-863.	2.6	21
11	Global attractivity of a family of nonautonomous max-type difference equations. Applied Mathematics and Computation, 2012, 218, 6297-6303.	2.2	19
12	Stability of switched neural networks with time delay. Nonlinear Dynamics, 2015, 79, 2145-2154.	5.2	19
13	On the security of a provably secure, efficient, and flexible authentication scheme for ad hoc wireless sensor networks. International Journal of Distributed Sensor Networks, 2018, 14, 155014771875631.	2.2	17
14	Distributed Incremental Cost Consensus-Based Optimization Algorithms for Economic Dispatch in a Microgrid. IEEE Access, 2020, 8, 12933-12941.	4.2	17
15	Stability of neural networks with delay and variable-time impulses. Neurocomputing, 2016, 171, 1644-1654.	5.9	16
16	Stability of switched neural networks with time-varying delays. Neural Computing and Applications, 2018, 30, 2229-2244.	5.6	14
17	On a Class of Nonautonomous Max-Type Difference Equations. Abstract and Applied Analysis, 2011, 2011, 1-15.	0.7	12
18	Modeling Ransomware Spreading by a Dynamic Node-Level Method. IEEE Access, 2019, 7, 142224-142232.	4.2	12

#	ARTICLE	IF	CITATIONS
19	Data tampering attacks diagnosis in dynamic wireless sensor networks. <i>Computer Communications</i> , 2021, 172, 84-92.	5.1	12
20	Hybrid Recommender System Using Semi-supervised Clustering Based on Gaussian Mixture Model. , 2016, , .		11
21	Global Dynamics and Optimal Control of a Viral Infection Model with Generic Nonlinear Infection Rate. <i>Discrete Dynamics in Nature and Society</i> , 2017, 2017, 1-9.	0.9	11
22	Hopf Bifurcation of an Improved SLBS Model under the Influence of Latent Period. <i>Mathematical Problems in Engineering</i> , 2013, 2013, 1-10.	1.1	10
23	On Somek-Dimensional Cyclic Systems of Difference Equations. <i>Abstract and Applied Analysis</i> , 2010, 2010, 1-11.	0.7	8
24	Privacy-preserving weighted average consensus and optimal attacking strategy for multi-agent networks. <i>Journal of the Franklin Institute</i> , 2021, 358, 3033-3050.	3.4	8
25	Quantitative Bounds for Positive Solutions of a SteviÄ± Difference Equation. <i>Discrete Dynamics in Nature and Society</i> , 2010, 2010, 1-14.	0.9	7
26	On Global Attractivity of a Class of Nonautonomous Difference Equations. <i>Discrete Dynamics in Nature and Society</i> , 2010, 2010, 1-13.	0.9	6
27	Global Attractivity of a Family of Max-Type Difference Equations. <i>Discrete Dynamics in Nature and Society</i> , 2011, 2011, 1-12.	0.9	6
28	Global Behavior of Two Families of Nonlinear Symmetric Difference Equations. <i>Discrete Dynamics in Nature and Society</i> , 2010, 2010, 1-15.	0.9	5
29	Part-Metric and Its Applications to Cyclic Discrete Dynamic Systems. <i>Abstract and Applied Analysis</i> , 2011, 2011, 1-16.	0.7	5
30	Wind Shear Target Echo Modeling and Simulation. <i>Discrete Dynamics in Nature and Society</i> , 2015, 2015, 1-6.	0.9	5
31	Stability of Variable-Time Switched Systems. <i>Arabian Journal for Science and Engineering</i> , 2017, 42, 2971-2980.	3.0	5
32	The Channel Estimation and Modeling in High Altitude Platform Station Wireless Communication Dynamic Network. <i>Discrete Dynamics in Nature and Society</i> , 2017, 2017, 1-7.	0.9	4
33	A Discrete Dynamic Model for Computer Worm Propagation. <i>Springer Proceedings in Mathematics and Statistics</i> , 2015, , 119-131.	0.2	3
34	Wireless channel modeling and performance analysis based on Markov chain. , 2017, , .		3
35	Periodic Solutions to a Third-Order Conditional Difference Equation over the Integers. <i>Discrete Dynamics in Nature and Society</i> , 2011, 2011, 1-12.	0.9	2
36	An Efficient Therapy Strategy under a Novel HIV Model. <i>Discrete Dynamics in Nature and Society</i> , 2011, 2011, 1-19.	0.9	2

#	ARTICLE	IF	CITATIONS
37	Fixation Probabilities on Complete Star and Bipartite Digraphs. <i>Discrete Dynamics in Nature and Society</i> , 2012, 2012, 1-21.	0.9	2
38	Dynamics of a family of two-dimensional difference systems. <i>Applied Mathematics and Computation</i> , 2013, 219, 5949-5955.	2.2	2
39	Part-metric and its applications in discrete systems. <i>Applied Mathematics and Computation</i> , 2014, 228, 320-328.	2.2	2
40	Periodicity of a second-order switched difference system over integers. <i>Applied Mathematics and Computation</i> , 2015, 250, 733-743.	2.2	2
41	On the Reachability of Discrete-Time Switched Linear Systems. <i>Journal of Dynamical and Control Systems</i> , 2017, 23, 815-823.	0.8	2
42	SignORKE: improving pairing-based one-round key exchange without random oracles. <i>IET Information Security</i> , 2017, 11, 243-249.	1.7	2
43	On a Higher-Order Difference Equation. <i>Discrete Dynamics in Nature and Society</i> , 2010, 2010, 1-6.	0.9	1
44	Global Behavior of $x_{n+1} = (\hat{1} \pm \hat{1}^2 x_n - k) / (\hat{1}^3 + x_n)$ . <i>Discrete Dynamics in Nature and Society</i> , 2013, 2013, 1-5.	0.9	1
45	Research on wireless sensor network node localization algorithm. , 2017, , .		1
46	A new strong security model for stateful authenticated group key exchange. <i>International Journal of Information Security</i> , 2018, 17, 423-440.	3.4	1
47	A Cost-Effective Algorithm for Selecting Optimal Bandwidth to Clear Malicious Codes. <i>IEEE Access</i> , 2020, 8, 19900-19910.	4.2	1
48	On Security Analysis of Generic Dynamic Authenticated Group Key Exchange. <i>Lecture Notes in Computer Science</i> , 2018, , 121-137.	1.3	1
49	Enhancing Adversarial Examples with Flip-Invariance and Brightness-Invariance. <i>Communications in Computer and Information Science</i> , 2020, , 469-481.	0.5	1
50	The analysis of HAPS link budget and communication performance based on near space. , 2016, , .		0
51	Stability analysis of impulsive differential inequalities with time delays. , 2016, , .		0
52	Stabilizability of linear impulsive systems. , 2016, , .		0
53	Weak Ordering Space Search in Turn-based War Chess Gaming. , 2018, , .		0
54	A Novel Microblog Sentiment Classification Method Based on Top-k Pooling. , 2021, , .		0