

Wallace K S Tang

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

98
papers

2,377
citations

24
h-index

46
g-index

107
ext. papers

2,827
ext. citations

3.9
avg, IF

5.56
L-index

#	Paper	IF	Citations
98	GENERATING HYPERCHAOS VIA STATE FEEDBACK CONTROL. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2005 , 15, 3367-3375	2	317
97	A fast image encryption system based on chaotic maps with finite precision representation. <i>Chaos, Solitons and Fractals</i> , 2007 , 32, 1518-1529	9.3	283
96	Model for rumor spreading over networks. <i>Physical Review E</i> , 2010 , 81, 056102	2.4	135
95	Suppressing electromagnetic interference in direct current converters. <i>IEEE Circuits and Systems Magazine</i> , 2009 , 9, 10-28	3.2	127
94	Hyperchaos evolved from the generalized Lorenz equation. <i>International Journal of Circuit Theory and Applications</i> , 2005 , 33, 235-251	2	112
93	Controllability of networked MIMO systems. <i>Automatica</i> , 2016 , 69, 405-409	5.7	63
92	System Design and Performance Analysis of Orthogonal Multi-Level Differential Chaos Shift Keying Modulation Scheme. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2016 , 63, 146-156	3.9	62
91	Generation of n -Wing Lorenz-Like Attractors From a Modified Shimizu-Morioka Model. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2008 , 55, 1168-1172	3.5	62
90	A general multiscroll Lorenz system family and its realization via digital signal processors. <i>Chaos</i> , 2006 , 16, 033126	3.3	60
89	Differential evolution powered by collective information. <i>Information Sciences</i> , 2017 , 399, 13-29	7.7	59
88	A GLOBAL SYNCHRONIZATION CRITERION FOR COUPLED CHAOTIC SYSTEMS VIA UNIDIRECTIONAL LINEAR ERROR FEEDBACK APPROACH. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2002 , 12, 2239-2253	2	59
87	DESIGN AND IMPLEMENTATION OF MULTI-WING BUTTERFLY CHAOTIC ATTRACTORS VIA LORENZ-TYPE SYSTEMS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2010 , 20, 29-41	2	54
86	GENERATION OF n -SCROLL ATTRACTORS UNDER A CHUA-CIRCUIT FRAMEWORK. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2007 , 17, 3951-3964	2	52
85	Event-Triggered Protocol for the Consensus of Multi-Agent Systems With State-Dependent Nonlinear Coupling. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2018 , 65, 723-732	3.9	46
84	CIRCUITRY IMPLEMENTATION AND SYNCHRONIZATION OF CHEN'S ATTRACTOR. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2002 , 12, 1423-1427	2	45
83	Leader Following of Nonlinear Agents With Switching Connective Network and Coupling Delay. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2011 , 58, 2508-2519	3.9	44
82	Distributed estimation over complex networks. <i>Information Sciences</i> , 2012 , 197, 91-104	7.7	34

81	Consensus of Multi-Agents With Event-Based Nonlinear Coupling Over Time-Varying Digraphs. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2018 , 65, 1969-1973	3.5	33
80	A CHAOS-BASED CRYPTOGRAPHIC HASH FUNCTION FOR MESSAGE AUTHENTICATION. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2005 , 15, 4043-4050	2	32
79	Multi-Carrier Chaos Shift Keying: System Design and Performance Analysis. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2017 , 64, 2182-2194	3.9	30
78	A switching scheme for synthesizing attractors of dissipative chaotic systems. <i>Applied Mathematics and Computation</i> , 2008 , 201, 650-667	2.7	30
77	Consensus of Nonlinear Agents in Directed Network With Switching Topology and Communication Delay. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2012 , 59, 3015-3023	3.9	27
76	Enhanced incremental LMS with norm constraints for distributed in-network estimation. <i>Signal Processing</i> , 2014 , 94, 373-385	4.4	26
75	Suppressing chaos in a simplest autonomous memristor-based circuit of fractional order by periodic impulses. <i>Chaos, Solitons and Fractals</i> , 2016 , 84, 31-40	9.3	25
74	Sustaining stable dynamics of a fractional-order chaotic financial system by parameter switching. <i>Computers and Mathematics With Applications</i> , 2013 , 66, 702-716	2.7	24
73	Design of Broadband Hybrid Coupler With Tight Coupling Using Jumping Gene Evolutionary Algorithm. <i>IEEE Transactions on Industrial Electronics</i> , 2009 , 56, 2987-2991	8.9	24
72	Synchronization of Multi-Agent Systems With Time-Varying Control and Delayed Communications. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2019 , 66, 4429-4438	3.9	23
71	Strip-packing using hybrid genetic approach. <i>Engineering Applications of Artificial Intelligence</i> , 2004 , 17, 169-177	7.2	22
70	Logistical Planning for Electric Vehicles Under Time-Dependent Stochastic Traffic. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2019 , 20, 3771-3781	6.1	22
69	A Theoretical Development and Analysis of Jumping Gene Genetic Algorithm. <i>IEEE Transactions on Industrial Informatics</i> , 2011 , 7, 408-418	11.9	21
68	Generation of n th -scroll attractors in a two-port RCL network with hysteresis circuits. <i>Chaos, Solitons and Fractals</i> , 2009 , 39, 821-830	9.3	20
67	Improved modeling by coupling imperfect models. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2012 , 17, 2741-2751	3.7	17
66	An averaging model for chaotic system with periodic time-varying parameter. <i>Applied Mathematics and Computation</i> , 2010 , 217, 355-362	2.7	17
65	A hybrid genetic approach for garment cutting in the clothing industry. <i>IEEE Transactions on Industrial Electronics</i> , 2003 , 50, 449-455	8.9	17
64	A Comparison of Optimization Algorithms for Biological Neural Network Identification. <i>IEEE Transactions on Industrial Electronics</i> , 2010 , 57, 1127-1131	8.9	16

63	Multi-layer competitive-cooperative framework for performance enhancement of differential evolution. <i>Information Sciences</i> , 2019 , 482, 86-104	7.7	16
62	Event-Triggered Synchronization for Nonlinear Multi-Agent Systems With Sampled Data. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2020 , 67, 3553-3561	3.9	15
61	ONLINE SECURE CHATTING SYSTEM USING DISCRETE CHAOTIC MAP. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2004 , 14, 285-292	2	15
60	Optimal topological design for distributed estimation over sensor networks. <i>Information Sciences</i> , 2014 , 254, 83-97	7.7	13
59	A Jumping Genes Paradigm: Theory, Verification and Applications. <i>IEEE Circuits and Systems Magazine</i> , 2008 , 8, 18-36	3.2	13
58	Parrondo's paradox for chaos control and anticontrol of fractional-order systems. <i>Chinese Physics B</i> , 2016 , 25, 010505	1.2	13
57	Master-Slave Synchronization of Delayed Neural Networks With Time-Varying Control. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , 32, 2292-2298	10.3	13
56	Multi-Carrier Differential Chaos Shift Keying System With Subcarriers Allocation for Noise Reduction. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2018 , 65, 1733-1737	3.5	12
55	A NEW CHAOTIC SYSTEM BASED ON MULTIPLE-ANGLE SINUSOIDAL FUNCTION: DESIGN AND IMPLEMENTATION. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2009 , 19, 2073-2084	2	12
54	Consensus of Multiagent Systems With Delayed Node Dynamics and Time-Varying Coupling. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 3320-3329	7.3	12
53	Establishing rational networking using the DL04 quantum secure direct communication protocol. <i>Quantum Information Processing</i> , 2018 , 17, 1	1.6	11
52	Tetrapterous butterfly attractors in modified Lorenz systems. <i>Chaos, Solitons and Fractals</i> , 2009 , 41, 1740-1749	10	10
51	A CHAOS-BASED PSEUDO-RANDOM NUMBER GENERATOR AND ITS APPLICATION IN VOICE COMMUNICATIONS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2007 , 17, 923-933	2	9
50	Efficient quantum multi-proxy signature. <i>Quantum Information Processing</i> , 2019 , 18, 1	1.6	9
49	CHAOTIC DYNAMICS OF LASER DIODES WITH STRONGLY MODULATED OPTICAL INJECTION. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2009 , 19, 3417-3424	2	8
48	2 D-SCROLL ATTRACTORS GENERATED IN A THREE-DIMENSIONAL SMOOTH AUTONOMOUS SYSTEM. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2007 , 17, 4153-4157	8	8
47	Suppressing chaos in fractional-order systems by periodic perturbations on system variables. <i>European Physical Journal B</i> , 2013 , 86, 1	1.2	7
46	A DEGREE-BASED STRATEGY FOR CONSTRAINED PINNING CONTROL OF COMPLEX NETWORKS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2010 , 20, 1533-1539	2	6

45	A CHAOS-BASED RANDOM NUMBER GENERATOR FOR EIGHT-BIT MICRO-CONTROLLER SYSTEM. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2008 , 18, 851-867	2	6
44	Cryptanalysis of Chaotic Masking Secure Communication Systems Using an Adaptive Observer. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2008 , 55, 1183-1187	3.5	6
43	Generating 2n-wing attractors from Lorenz-like systems. <i>International Journal of Circuit Theory and Applications</i> , 2008 , 38, n/a-n/a	2	6
42	Identification and monitoring of biological neural network 2007 ,		6
41	Rational quantum secret sharing. <i>Scientific Reports</i> , 2018 , 8, 11115	4.9	6
40	Hierarchical Quantum Secret Sharing Based On Special High-Dimensional Entangled State. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2020 , 26, 1-6	3.8	5
39	Multi-language naming game. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018 , 496, 620-634	3.3	5
38	Unraveling the impacts of IXP in internet ecosystem using bi-layered network. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016 , 456, 327-339	3.3	5
37	Emulating "Chaos + Chaos = Order" In Chen's Circuit of Fractional Order by Parameter Switching. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2016 , 26, 1650096	2	5
36	Distributing Electric Vehicles to the Right Charging Queues 2019 ,		4
35	Formation of High-Dimensional Chaotic Maps and Their Uses in Cryptography. <i>Studies in Computational Intelligence</i> , 2011 , 99-136	0.8	4
34	Modified dynamic minimization algorithm for parameter estimation of chaotic system from a time series. <i>Nonlinear Dynamics</i> , 2011 , 66, 213-229	5	4
33	CRYPTANALYSIS OF CHAOTIC COMMUNICATION SCHEMES BY DYNAMICAL MINIMIZATION ALGORITHM. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2009 , 19, 2429-2437	2	4
32	CHAOTIFICATION OF LINEAR CONTINUOUS-TIME SYSTEMS USING SIMPLE NONLINEAR FEEDBACK. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2003 , 13, 3099-3106	2	4
31	CHAOTIC PHASE SHIFT KEYING IN DELAYED CHAOTIC ANTICONTROL SYSTEMS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2002 , 12, 1017-1028	2	4
30	Selective-candidate framework with similarity selection rule for evolutionary optimization. <i>Swarm and Evolutionary Computation</i> , 2020 , 56, 100696	9.8	4
29	Event-Based Tracking Consensus for Multiagent Systems With Volatile Control Gain. <i>IEEE Transactions on Cybernetics</i> , 2020 , PP,	10.2	4
28	Batch quantum multi-proxy signature. <i>Optical and Quantum Electronics</i> , 2018 , 50, 1	2.4	4

27	Quantum key distribution with single-particle and Bell state. <i>Optical and Quantum Electronics</i> , 2020 , 52, 1	2.4	3
26	Restart based Collective Information Powered Differential Evolution for Solving the 100-Digit Challenge on Single Objective Numerical Optimization 2019 ,		3
25	CHAOTIFICATION OF DISCRETE-TIME SYSTEMS USING NEURONS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2004 , 14, 1405-1411	2	3
24	Flow Distribution for Electric Vehicles Under Nodal-Centrality-Based Resource Allocation. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2020 , 67, 1309-1318	3.9	3
23	Three-party quantum secret sharing based on d-dimensional Bell state. <i>Modern Physics Letters B</i> , 2019 , 33, 1950023	1.6	2
22	Public-key quantum signature based on phase shift operation. <i>Modern Physics Letters B</i> , 2020 , 34, 2050084	4	2
21	Perturbation-induced chaos in nonlinear Schrödinger equation with single source and its characterization. <i>Nonlinear Dynamics</i> , 2017 , 90, 1481-1490	5	2
20	Design and Topological Analysis of Complex Networks with Optimal Controllability. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2014 , 24, 1450103	2	2
19	An opinion disseminating model for market penetration in social networks 2010 ,		2
18	Cryptanalysis of a chaotic communication scheme using adaptive observer. <i>Chaos</i> , 2008 , 18, 043110	3.3	2
17	Formulation and analysis of high-dimensional chaotic maps 2008 ,		2
16	Enhancement of Multiobjective Search: A Jumping-Genes Approach 2007 ,		2
15	Circuit Design and Implementation of a Unified Chaotic System 2006 ,		2
14	Sneaking Operation Modes in Zero-Current-Switching Converter. <i>Open Electrical and Electronic Engineering Journal</i> , 2015 , 9, 127-134	0	2
13	Quantum (t, n) threshold group signature based on Bell state. <i>Quantum Information Processing</i> , 2020 , 19, 1	1.6	2
12	Second-order consensus in multi-agent systems with nonlinear dynamics and intermittent control. <i>International Journal of Systems Science</i> , 2020 , 51, 2192-2203	2.3	2
11	An attractiveness-based model for human mobility in all spatial ranges. <i>New Journal of Physics</i> , 2019 , 21, 123043	2.9	2
10	Multiparty to multiparty quantum secret sharing. <i>Modern Physics Letters B</i> , 2018 , 32, 1850350	1.6	2

9	Adaptive strategy in differential evolution via explicit exploitation and exploration controls. <i>Applied Soft Computing Journal</i> , 2021 , 107, 107494	7.5	2
8	Coordinating Electric Vehicle Flow Distribution and Charger Allocation by Joint Optimization. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 8112-8121	11.9	2
7	From n-scroll to n th -scroll attractors: A general structure based on Chua's circuit framework 2007 ,		1
6	Domain learning naming game for color categorization. <i>PLoS ONE</i> , 2017 , 12, e0188164	3.7	1
5	A Comparative Study of IXP in Europe and US from a Complex Network Perspective. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 242-252	0.4	1
4	Consensus in Multi-Agent System under Aperiodic Denial-of-Service Attacks 2020 ,		1
3	Relay-based information broadcast in complex networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018 , 495, 67-80	3.3	
2	Hybrid-time Chaotic Encryption and Sender Authentication of Data Packets in Automation Networks. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2009 , 42, 179-184		
1	A Jumping Gene Evolutionary Approach for Multiobjective Optimization. <i>Advances in Intelligent and Soft Computing</i> , 2012 , 1-14		