Wallace K S Tang

List of Publications by Year in Descending Order

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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	Master-Slave Synchronization of Delayed Neural Networks With Time-Varying Control. *IEEE Transactions on Neural Networks and Learning Systems*, **2021**, 32, 2292-2298	10.3	13
97	Consensus of Multiagent Systems With Delayed Node Dynamics and Time-Varying Coupling. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 51, 3320-3329	7.3	12
96	Adaptive strategy in differential evolution via explicit exploitation and exploration controls. *Applied Soft Computing Journal*, **2021**, 107, 107494	7.5	2
95	Coordinating Electric Vehicle Flow Distribution and Charger Allocation by Joint Optimization. *IEEE Transactions on Industrial Informatics*, **2021**, 17, 8112-8121	11.9	2
94	Event-Triggered Synchronization for Nonlinear Multi-Agent Systems With Sampled Data. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2020**, 67, 3553-3561	3.9	15
93	Quantum key distribution with single-particle and Bell state. *Optical and Quantum Electronics*, **2020**, 52, 1	2.4	3
92	Public-key quantum signature based on phase shift operation. *Modern Physics Letters B*, **2020**, 34, 2050084	1.6	2
91	Hierarchical Quantum Secret Sharing Based On Special High-Dimensional Entangled State. *IEEE Journal of Selected Topics in Quantum Electronics*, **2020**, 26, 1-6	3.8	5
90	Selective-candidate framework with similarity selection rule for evolutionary optimization. *Swarm and Evolutionary Computation*, **2020**, 56, 100696	9.8	4
89	Flow Distribution for Electric Vehicles Under Nodal-Centrality-Based Resource Allocation. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2020**, 67, 1309-1318	3.9	3
88	Quantum (t, n) threshold group signature based on Bell state. *Quantum Information Processing*, **2020**, 19, 1	1.6	2
87	Consensus in Multi-Agent System under Aperiodic Denial-of-Service Attacks **2020**,		1
86	Second-order consensus in multi-agent systems with nonlinear dynamics and intermittent control. *International Journal of Systems Science*, **2020**, 51, 2192-2203	2.3	2
85	Event-Based Tracking Consensus for Multiagent Systems With Volatile Control Gain. *IEEE Transactions on Cybernetics*, **2020**, PP,	10.2	4
84	Three-party quantum secret sharing based on d-dimensional Bell state. *Modern Physics Letters B*, **2019**, 33, 1950023	1.6	2
83	Distributing Electric Vehicles to the Right Charging Queues **2019**,		4
82	Restart based Collective Information Powered Differential Evolution for Solving the 100-Digit Challenge on Single Objective Numerical Optimization **2019**,		3

81	Synchronization of Multi-Agent Systems With Time-Varying Control and Delayed Communications. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2019**, 66, 4429-4438	3.9	23
80	An attractiveness-based model for human mobility in all spatial ranges. *New Journal of Physics*, **2019**, 21, 123043	2.9	2
79	Logistical Planning for Electric Vehicles Under Time-Dependent Stochastic Traffic. *IEEE Transactions on Intelligent Transportation Systems*, **2019**, 20, 3771-3781	6.1	22
78	Multi-layer competitive-cooperative framework for performance enhancement of differential evolution. *Information Sciences*, **2019**, 482, 86-104	7.7	16
77	Efficient quantum multi-proxy signature. *Quantum Information Processing*, **2019**, 18, 1	1.6	9
76	Multi-Carrier Differential Chaos Shift Keying System With Subcarriers Allocation for Noise Reduction. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2018**, 65, 1733-1737	3.5	12
75	Consensus of Multi-Agents With Event-Based Nonlinear Coupling Over Time-Varying Digraphs. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2018**, 65, 1969-1973	3.5	33
74	Multi-language naming game. *Physica A: Statistical Mechanics and Its Applications*, **2018**, 496, 620-634	3.3	5
73	Relay-based information broadcast in complex networks. *Physica A: Statistical Mechanics and Its Applications*, **2018**, 495, 67-80	3.3	
72	A Comparative Study of IXP in Europe and US from a Complex Network Perspective. *Advances in Intelligent Systems and Computing*, **2018**, 242-252	0.4	1
71	Event-Triggered Protocol for the Consensus of Multi-Agent Systems With State-Dependent Nonlinear Coupling. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2018**, 65, 723-732	3.9	46
70	Batch quantum multi-proxy signature. *Optical and Quantum Electronics*, **2018**, 50, 1	2.4	4
69	Multiparty to multiparty quantum secret sharing. *Modern Physics Letters B*, **2018**, 32, 1850350	1.6	2
68	Rational quantum secret sharing. *Scientific Reports*, **2018**, 8, 11115	4.9	6
67	Establishing rational networking using the DL04 quantum secure direct communication protocol. *Quantum Information Processing*, **2018**, 17, 1	1.6	11
66	Differential evolution powered by collective information. *Information Sciences*, **2017**, 399, 13-29	7.7	59
65	Multi-Carrier Chaos Shift Keying: System Design and Performance Analysis. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2017**, 64, 2182-2194	3.9	30
64	Perturbation-induced chaos in nonlinear Schr□inger equation with single source and its characterization. *Nonlinear Dynamics*, **2017**, 90, 1481-1490	5	2

63	Domain learning naming game for color categorization. *PLoS ONE*, **2017**, 12, e0188164	3.7	1
62	Unraveling the impacts of IXP in internet ecosystem using bi-layered network. *Physica A: Statistical Mechanics and Its Applications*, **2016**, 456, 327-339	3.3	5
61	Emulating Chaos + Chaos = Order in Chen Circuit of Fractional Order by Parameter Switching. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2016**, 26, 1650096	2	5
60	Suppressing chaos in a simplest autonomous memristor-based circuit of fractional order by periodic impulses. *Chaos, Solitons and Fractals*, **2016**, 84, 31-40	9.3	25
59	System Design and Performance Analysis of Orthogonal Multi-Level Differential Chaos Shift Keying Modulation Scheme. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2016**, 63, 146-156	3.9	62
58	Parrondo paradox for chaos control and anticontrol of fractional-order systems. *Chinese Physics B*, **2016**, 25, 010505	1.2	13
57	Controllability of networked MIMO systems. *Automatica*, **2016**, 69, 405-409	5.7	63
56	Sneaking Operation Modes in Zero-Current-Switching Converter. *Open Electrical and Electronic Engineering Journal*, **2015**, 9, 127-134	0	2
55	Optimal topological design for distributed estimation over sensor networks. *Information Sciences*, **2014**, 254, 83-97	7.7	13
54	Design and Topological Analysis of Complex Networks with Optimal Controllability. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2014**, 24, 1450103	2	2
53	Enhanced incremental LMS with norm constraints for distributed in-network estimation. *Signal Processing*, **2014**, 94, 373-385	4.4	26
52	Suppressing chaos in fractional-order systems by periodic perturbations on system variables. *European Physical Journal B*, **2013**, 86, 1	1.2	7
51	Sustaining stable dynamics of a fractional-order chaotic financial system by parameter switching. *Computers and Mathematics With Applications*, **2013**, 66, 702-716	2.7	24
50	Distributed estimation over complex networks. *Information Sciences*, **2012**, 197, 91-104	7.7	34
49	Consensus of Nonlinear Agents in Directed Network With Switching Topology and Communication Delay. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2012**, 59, 3015-3023	3.9	27
48	Improved modeling by coupling imperfect models. *Communications in Nonlinear Science and Numerical Simulation*, **2012**, 17, 2741-2751	3.7	17
47	A Jumping Gene Evolutionary Approach for Multiobjective Optimization. *Advances in Intelligent and Soft Computing*, **2012**, 1-14		
46	A Theoretical Development and Analysis of Jumping Gene Genetic Algorithm. *IEEE Transactions on Industrial Informatics*, **2011**, 7, 408-418	11.9	21

45	Formation of High-Dimensional Chaotic Maps and Their Uses in Cryptography. *Studies in Computational Intelligence*, **2011**, 99-136	0.8	4
44	Modified dynamic minimization algorithm for parameter estimation of chaotic system from a time series. *Nonlinear Dynamics*, **2011**, 66, 213-229	5	4
43	Leader Following of Nonlinear Agents With Switching Connective Network and Coupling Delay. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2011**, 58, 2508-2519	3.9	44
42	DESIGN AND IMPLEMENTATION OF MULTI-WING BUTTERFLY CHAOTIC ATTRACTORS VIA LORENZ-TYPE SYSTEMS. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2010**, 20, 29-41	2	54
41	A DEGREE-BASED STRATEGY FOR CONSTRAINED PINNING CONTROL OF COMPLEX NETWORKS. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2010**, 20, 1533-1539	2	6
40	An opinion disseminating model for market penetration in social networks **2010**,		2
39	A Comparison of Optimization Algorithms for Biological Neural Network Identification. *IEEE Transactions on Industrial Electronics*, **2010**, 57, 1127-1131	8.9	16
38	Model for rumor spreading over networks. *Physical Review E*, **2010**, 81, 056102	2.4	135
37	An averaging model for chaotic system with periodic time-varying parameter. *Applied Mathematics and Computation*, **2010**, 217, 355-362	2.7	17
36	CHAOTIC DYNAMICS OF LASER DIODES WITH STRONGLY MODULATED OPTICAL INJECTION. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2009**, 19, 3417-3424	2	8
35	CRYPTANALYSIS OF CHAOTIC COMMUNICATION SCHEMES BY DYNAMICAL MINIMIZATION ALGORITHM. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2009**, 19, 2429-2437	2	4
34	A NEW CHAOTIC SYSTEM BASED ON MULTIPLE-ANGLE SINUSOIDAL FUNCTION: DESIGN AND IMPLEMENTATION. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2009**, 19, 2073-2084	2	12
33	Generation of n □m-scroll attractors in a two-port RCL network with hysteresis circuits. *Chaos, Solitons and Fractals*, **2009**, 39, 821-830	9.3	20
32	Tetrapterous butterfly attractors in modified Lorenz systems. *Chaos, Solitons and Fractals*, **2009**, 41, 1740-1749	9.3	10
31	Suppressing electromagnetic interference in direct current converters. *IEEE Circuits and Systems Magazine*, **2009**, 9, 10-28	3.2	127
30	Design of Broadband Hybrid Coupler With Tight Coupling Using Jumping Gene Evolutionary Algorithm. *IEEE Transactions on Industrial Electronics*, **2009**, 56, 2987-2991	8.9	24
29	Hybrid-time Chaotic Encryption and Sender Authentication of Data Packets in Automation Networks. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2009**, 42, 179-184		
28	A CHAOS-BASED RANDOM NUMBER GENERATOR FOR EIGHT-BIT MICRO-CONTROLLER SYSTEM. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2008**, 18, 851-867	2	6

27	A Jumping Genes Paradigm: Theory, Verification and Applications. *IEEE Circuits and Systems Magazine*, **2008**, 8, 18-36	3.2	13
26	Generation of $ntimes m$-Wing Lorenz-Like Attractors From a Modified Shimizu–Morioka Model. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2008**, 55, 1168-1172	3.5	62
25	Cryptanalysis of a chaotic communication scheme using adaptive observer. *Chaos*, **2008**, 18, 043110	3.3	2
24	Cryptanalysis of Chaotic Masking Secure Communication Systems Using an Adaptive Observer. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2008**, 55, 1183-1187	3.5	6
23	Formulation and analysis of high-dimensional chaotic maps **2008**,		2
22	Generating 2n-wing attractors from Lorenz-like systems. *International Journal of Circuit Theory and Applications*, **2008**, 38, n/a-n/a	2	6
21	A switching scheme for synthesizing attractors of dissipative chaotic systems. *Applied Mathematics and Computation*, **2008**, 201, 650-667	2.7	30
20	A fast image encryption system based on chaotic maps with finite precision representation. *Chaos, Solitons and Fractals*, **2007**, 32, 1518-1529	9.3	283
19	GENERATION OF n □m-SCROLL ATTRACTORS UNDER A CHUA-CIRCUIT FRAMEWORK. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2007**, 17, 3951-3964	2	52
18	Enhancement of Multiobjective Search: A Jumping-Genes Approach **2007**,		2
17	2 □2-SCROLL ATTRACTORS GENERATED IN A THREE-DIMENSIONAL SMOOTH AUTONOMOUS SYSTEM. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2007**, 17, 4153-4157	2	8
16	Identification and monitoring of biological neural network **2007**,		6
15	From n-scroll to n□m-scroll attractors: A general structure based on Chua's circuit framework **2007**,		1
14	A CHAOS-BASED PSEUDO-RANDOM NUMBER GENERATOR AND ITS APPLICATION IN VOICE COMMUNICATIONS. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2007**, 17, 923-933	2	9
13	A general multiscroll Lorenz system family and its realization via digital signal processors. *Chaos*, **2006**, 16, 033126	3.3	60
12	Circuit Design and Implementation of a Unified Chaotic System **2006**,		2
11	GENERATING HYPERCHAOS VIA STATE FEEDBACK CONTROL. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2005**, 15, 3367-3375	2	317
10	Hyperchaos evolved from the generalized Lorenz equation. *International Journal of Circuit Theory and Applications*, **2005**, 33, 235-251	2	112

9	A CHAOS-BASED CRYPTOGRAPHIC HASH FUNCTION FOR MESSAGE AUTHENTICATION. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2005**, 15, 4043-4050	2	32
8	CHAOTIFICATION OF DISCRETE-TIME SYSTEMS USING NEURONS. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2004**, 14, 1405-1411	2	3
7	ONLINE SECURE CHATTING SYSTEM USING DISCRETE CHAOTIC MAP. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2004**, 14, 285-292	2	15
6	Strip-packing using hybrid genetic approach. *Engineering Applications of Artificial Intelligence*, **2004**, 17, 169-177	7.2	22
5	CHAOTIFICATION OF LINEAR CONTINUOUS-TIME SYSTEMS USING SIMPLE NONLINEAR FEEDBACK. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2003**, 13, 3099-3106	2	4
4	A hybrid genetic approach for garment cutting in the clothing industry. *IEEE Transactions on Industrial Electronics*, **2003**, 50, 449-455	8.9	17
3	CHAOTIC PHASE SHIFT KEYING IN DELAYED CHAOTIC ANTICONTROL SYSTEMS. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2002**, 12, 1017-1028	2	4
2	A GLOBAL SYNCHRONIZATION CRITERION FOR COUPLED CHAOTIC SYSTEMS VIA UNIDIRECTIONAL LINEAR ERROR FEEDBACK APPROACH. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2002**, 12, 2239-2253	2	59
1	CIRCUITRY IMPLEMENTATION AND SYNCHRONIZATION OF CHEN'S ATTRACTOR. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2002**, 12, 1423-1427	2	45