

# Qun Ding

## List of Publications by Year in descending order

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Version: 2024-02-01

82  
papers

677  
citations

623188

14  
h-index

676716

22  
g-index

84  
all docs

84  
docs citations

84  
times ranked

512  
citing authors

#	ARTICLE	IF	CITATIONS
1	Image Encryption Scheme with Compressed Sensing Based on New Three-Dimensional Chaotic System. Entropy, 2019, 21, 819.	1.1	41
2	A New Two-Dimensional Map with Hidden Attractors. Entropy, 2018, 20, 322.	1.1	39
3	A Novel Image Encryption Scheme Based on 2D Fractional Chaotic Map, DWT and 4D Hyper-chaos. Electronics (Switzerland), 2020, 9, 1280.	1.8	39
4	Constructing Discrete Chaotic Systems with Positive Lyapunov Exponents. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2018, 28, 1850084.	0.7	38
5	A New Lightweight Stream Cipher Based on Chaos. Symmetry, 2019, 11, 853.	1.1	31
6	Predicting Temperature of Permanent Magnet Synchronous Motor Based on Deep Neural Network. Energies, 2020, 13, 4782.	1.6	26
7	A NEW IMPROVED SCHEME OF CHAOTIC MASKING SECURE COMMUNICATION BASED ON LORENZ SYSTEM. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250125.	0.7	24
8	A universal method for constructing non-degenerate hyperchaotic systems with any desired number of positive Lyapunov exponents. Chaos, Solitons and Fractals, 2022, 161, 112323.	2.5	23
9	Construction of an S-Box Based on Chaotic and Bent Functions. Symmetry, 2021, 13, 671.	1.1	21
10	FPGA Design and Applicable Analysis of Discrete Chaotic Maps. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2014, 24, 1450054.	0.7	20
11	Analysing the dynamics of digital chaotic maps via a new period search algorithm. Nonlinear Dynamics, 2019, 97, 831-841.	2.7	19
12	Counteracting the Dynamical Degradation of Digital Chaos by Applying Stochastic Jump of Chaotic Orbits. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2019, 29, 1930023.	0.7	18
13	A Novel Plaintext-Related Color Image Encryption Scheme Based on Cellular Neural Network and Chen's Chaotic System. Symmetry, 2021, 13, 393.	1.1	18
14	A Novel Image Encryption Scheme Based on Self-Synchronous Chaotic Stream Cipher and Wavelet Transform. Entropy, 2018, 20, 445.	1.1	17
15	Analysis and resistance of dynamic degradation of digital chaos via functional graphs. Nonlinear Dynamics, 2021, 103, 1081-1097.	2.7	16
16	Overview of the Block Cipher. , 2012, , .		15
17	The Establishment and Dynamic Properties of a New 4D Hyperchaotic System with Its Application and Statistical Tests in Gray Images. Entropy, 2020, 22, 310.	1.1	15
18	Image Encryption Scheme Based on Mixed Chaotic Bernoulli Measurement Matrix Block Compressive Sensing. Entropy, 2022, 24, 273.	1.1	15

#	ARTICLE	IF	CITATIONS
19	A New 3D Discrete Hyperchaotic System and Its Application in Secure Transmission. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2019, 29, 1950206.	0.7	13
20	A novel wireless visual sensor network protocol based on LoRa modulation. International Journal of Distributed Sensor Networks, 2018, 14, 155014771876598.	1.3	12
21	Dynamic Rounds Chaotic Block Cipher Based on Keyword Abstract Extraction. Entropy, 2018, 20, 693.	1.1	12
22	A Class of Quadratic Polynomial Chaotic Maps and Their Fixed Points Analysis. Entropy, 2019, 21, 658.	1.1	12
23	A New Matrix Projective Synchronization and Its Application in Secure Communication. IEEE Access, 2019, 7, 112977-112984.	2.6	12
24	A Color Image Encryption Scheme Based on a Novel 3D Chaotic Mapping. Complexity, 2020, 2020, 1-20.	0.9	11
25	The Implementation of FPGA-based RSA Public-key Algorithm and its Application in Mobile-phone SMS Encryption System. , 2011, , .		10
26	Theoretical design of controlled digitized chaotic systems with periodic orbit of upper limit length in digital circuit. Nonlinear Dynamics, 2019, 98, 257-268.	2.7	10
27	Construction Method and Performance Analysis of Chaotic S-Box Based on Fireworks Algorithm. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2019, 29, 1950158.	0.7	10
28	An Improved AES Encryption Algorithm Based on Chaos Theory in Wireless Communication Networks. , 2015, , .		9
29	A Lightweight Authentication and Key Management Scheme for Wireless Sensor Networks. Journal of Sensors, 2016, 2016, 1-9.	0.6	9
30	Effects of Limited Computational Precision on the Discrete Chaotic Sequences and the Design of Related Solutions. Complexity, 2019, 2019, 1-10.	0.9	9
31	Design of (15, 11) Hamming Code Encoding and Decoding System Based on FPGA. , 2011, , .		8
32	Research about the Characteristics of Chaotic Systems Based on Multi-Scale Entropy. Entropy, 2019, 21, 663.	1.1	8
33	Key generation research of RSA public cryptosystem and Matlab implement. , 2013, , .		7
34	Analysis of the Time Series Generated by a New High-Dimensional Discrete Chaotic System. Complexity, 2018, 2018, 1-11.	0.9	7
35	A Novel Algorithm to Improve Digital Chaotic Sequence Complexity through CCEMD and PE. Entropy, 2018, 20, 295.	1.1	7
36	Evaluating the Randomness of Chaotic Binary Sequences Via a Novel Period Detection Algorithm. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2022, 32, .	0.7	7

#	ARTICLE	IF	CITATIONS
37	A New Matrix Projective Synchronization of Fractional-Order Discrete-Time Systems and its Application in Secure Communication. IEEE Access, 2020, 8, 147451-147458.	2.6	6
38	The Research of Optimization Parameter Based on Lorenz Chaotic Masking Secure Communication. , 2010, , .		4
39	A Modified Algorithm for the Logistic Sequence Based on PCA. IEEE Access, 2020, 8, 45254-45262.	2.6	4
40	A Three-Dimensional Infinite Collapse Map with Image Encryption. Entropy, 2021, 23, 1221.	1.1	4
41	Design and Hardware Implementation of FPGA &#x0026; Chaotic Encryption-based Wireless Transmission System. , 2011, , .		3
42	Similar-short Periodicity Analysis and Application in Image Compression Encryption of Digital Chaos. , 2012, , .		3
43	The Research of Chaos-based SMS Encryption in Mobile Phone. , 2012, , .		3
44	Digital Encryption Method Based on Lorenz Continuous Chaotic System. , 2015, , .		3
45	Low-Element Image Restoration Based on an Out-of-Order Elimination Algorithm. Entropy, 2019, 21, 1192.	1.1	3
46	Performance of Finite Precision on Discrete Chaotic Map Based on a Feedback Shift Register. Complexity, 2020, 2020, 1-12.	0.9	3
47	Face recognition based on wavelet-curvelet-fractal technique. Journal of Electronics, 2010, 27, 206-211.	0.2	2
48	The Optimization Scheme of Chaotic Masking Secure Communication Based on Lorenz System. , 2010, , .		2
49	Generation and Realization of Digital Chaotic Key Sequence Based on K-L Transform. , 2011, , .		2
50	Research on QPSK Carrier Synchronization Algorithm Based on Software Defined Radio. , 2015, , .		2
51	A multidimensional discrete digital chaotic encryption system. International Journal of Distributed Sensor Networks, 2018, 14, 155014771880278.	1.3	2
52	A Novel Algorithm for Detection and Localization of Periodic Phenomena of Chaotic Binary Sequences. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2019, 29, 1950087.	0.7	2
53	Constructing Digitized Chaotic Time Series with a Guaranteed Enhanced Period. Complexity, 2019, 2019, 1-10.	0.9	2
54	Memristive Hidden Chaotic System and Circuit Based on Sprott-2 System. , 2020, , .		2

#	ARTICLE	IF	CITATIONS
55	SM4 Chaotic Masking Scheme Against Power Analysis Based on FPGA. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2022, 32, .	0.7	2
56	Communication Signal Processing at Low SNR Using Higher-Order Spectrum. , 2008, , .		1
57	Some Researches for Lorenz-Based Secure Communication in Time and Frequency Domains. , 2011, , .		1
58	The Research of Code Synchronization of Spread Spectrum Communication System Based on FPGA. , 2011, , .		1
59	The Research of I/O Read and Write Mode Based on Network Data Encryption Card. , 2012, , .		1
60	The research and design of embed RSA encryption algorithm network encryption card driver. , 2013, , .		1
61	Hardware design and implementation of Wi-Fi technology based encryption system. , 2013, , .		1
62	Discrete Design of Lorenz Chaotic System Based on Euler Method and Image Encryption. , 2015, , .		1
63	Multifocus image fusion based on Uniform Discrete Curvelet Transform. , 2015, , .		1
64	Calibration method of sensor location error in direction of arrival estimation for wideband signals. , 2016, , .		1
65	DESIGNING NETWORK ENCRYPTION MACHINE BASED ON HENON CHAOTIC KEY ALGORITHM. Journal of Applied Analysis and Computation, 2016, 6, 1126-1134.	0.2	1
66	Deconvolution in transform-domain for image data restoration. Journal of Electronics, 2005, 22, 312-314.	0.2	0
67	The Key Exchange Research of Chaotic Encryption Chip Based on Elliptic Curve Cryptography Algorithm. , 2009, , .		0
68	The Bifurcation Analysis of Digital Chaos Circuit and Its Application. , 2010, , .		0
69	Realization of Image Encryption Scheme Based on Chaotic Binary Sequence. , 2011, , .		0
70	Array Manifold Calibration in Shipborne Radar. , 2011, , .		0
71	The Research of DLL Used in DS Spread Spectrum Communication System. , 2011, , .		0
72	A Method for Rapid Preliminary Recognizing Chaotic Waveforms. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
73	Image Encryption System of New Chaotic Algorithm based on DSP. , 2012, , .		0
74	Simulation Experiment Research on the Chaotic Characteristics of the Simple Unary Polynomial Transformation. , 2012, , .		0
75	Random process representations of chaos. , 2013, , .		0
76	Two-Stage Verification Based on Watermarking for Electronic Passport. , 2013, , .		0
77	Different Random Distributions Research on Logistic-Based Sample Assumption. Mathematical Problems in Engineering, 2014, 2014, 1-9.	0.6	0
78	A New Multi-spectral Image Fusion Algorithm Based on Compressive Sensing. , 2015, , .		0
79	The Design of the Mobile Phone Module Information Encryption System Based on FPGA. , 2015, , .		0
80	Visually Meaningful Image Encryption Algorithm Based on Parallel Compressive Sensing and Cellular Neural Network. Smart Innovation, Systems and Technologies, 2022, , 351-360.	0.5	0
81	Simulation Design of Cavity-Backed Self-Phased Polarization-Reconfigurable Antenna Based on Liquid Metal. , 2021, , .		0
82	Detection and Location of Multi-Period Phenomena in Chaotic Binary Sequences. Entropy, 2022, 24, 331.	1.1	0