Chengqing Li

List of Publications by Year
in descending order

64 papers	4,127 citations	117625 34 h-index	133252 59 g-index
65 all docs	65 docs citations	65 times ranked	1847 citing authors

#	Article	IF	Citations
1	On the cryptanalysis of Fridrich's chaotic image encryption scheme. Signal Processing, 2017, 132, 150-154.	3.7	233
2	Cryptanalyzing an Image Encryption Algorithm Based on Autoblocking and Electrocardiography. IEEE MultiMedia, 2018, 25, 46-56.	1.7	214
3	A general quantitative cryptanalysis of permutation-only multimedia ciphers against plaintext attacks. Signal Processing: Image Communication, 2008, 23, 212-223.	3.2	206
4	Cryptanalysis of a Chaotic Image Encryption Algorithm Based on Information Entropy. IEEE Access, 2018, 6, 75834-75842.	4.2	199
5	Optimal quantitative cryptanalysis of permutation-only multimedia ciphers against plaintext attacks. Signal Processing, 2011, 91, 949-954.	3.7	193
6	Theoretical Design and FPGA-Based Implementation of Higher-Dimensional Digital Chaotic Systems. IEEE Transactions on Circuits and Systems I: Regular Papers, 2016, 63, 401-412.	5.4	190
7	Cryptanalyzing an Image-Scrambling Encryption Algorithm of Pixel Bits. IEEE MultiMedia, 2017, 24, 64-71.	1.7	188
8	Dynamic Analysis of Digital Chaotic Maps via State-Mapping Networks. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 2322-2335.	5.4	180
9	Cracking a hierarchical chaotic image encryption algorithm based on permutation. Signal Processing, 2016, 118, 203-210.	3.7	153
10	On the security defects of an image encryption scheme. Image and Vision Computing, 2009, 27, 1371-1381.	4.5	150
11	Breaking a novel image encryption scheme based on improved hyperchaotic sequences. Nonlinear Dynamics, 2013, 73, 2083-2089.	5.2	134
12	When an attacker meets a cipher-image in 2018: A year in review. Journal of Information Security and Applications, 2019, 48, 102361.	2.5	133
13	Generating Multi-Scroll Chua's Attractors via Simplified Piecewise-Linear Chua's Diode. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 4767-4779.	5.4	127
14	Cryptanalysis of an image encryption scheme based on a compound chaotic sequence. Image and Vision Computing, 2009, 27, 1035-1039.	4.5	111
15	Cryptanalyzing image encryption using chaotic logistic map. Nonlinear Dynamics, 2014, 78, 1545-1551.	5.2	110
16	Breaking a novel colour image encryption algorithm based on chaos. Nonlinear Dynamics, 2012, 70, 2383-2388.	5.2	102
17	Breaking a modified substitution–diffusion image cipher based on chaotic standard and logistic maps. Communications in Nonlinear Science and Numerical Simulation, 2011, 16, 837-843.	3.3	95
18	Breaking a chaotic image encryption algorithm based on perceptron model. Nonlinear Dynamics, 2012, 69, 1091-1096.	5.2	86

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19	Cryptanalysis of an image encryption scheme based on a new total shuffling algorithm. Chaos, Solitons and Fractals, 2009, 41, 2613-2616.	5.1	83
20	Cryptanalysis of two chaotic encryption schemes based on circular bit shift and XOR operations. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 369, 23-30.	2.1	75
21	Multi-Channel Deep Networks for Block-Based Image Compressive Sensing. IEEE Transactions on Multimedia, 2021, 23, 2627-2640.	7.2	63
22	No-Reference Video Quality Assessment Based on Artifact Measurement and Statistical Analysis. IEEE Transactions on Circuits and Systems for Video Technology, 2015, 25, 533-546.	8.3	60
23	Cryptanalyzing a chaos-based image encryption algorithm using alternate structure. Journal of Systems and Software, 2012, 85, 2077-2085.	4.5	56
24	Chaotic image encryption using pseudo-random masks and pixel mapping. Signal Processing, 2016, 125, 48-63.	3.7	55
25	Cryptanalysis of the RCES/RSES image encryption scheme. Journal of Systems and Software, 2008, 81, 1130-1143.	4.5	53
26	Security measurement of a medical communication scheme based on chaos and DNA coding. Journal of Visual Communication and Image Representation, 2022, 83, 103424.	2.8	49
27	Designing Hyperchaotic Cat Maps With Any Desired Number of Positive Lyapunov Exponents. IEEE Transactions on Cybernetics, 2018, 48, 463-473.	9.5	45
28	The Graph Structure of the Generalized Discrete Arnold's Cat Map. IEEE Transactions on Computers, 2022, 71, 364-377.	3.4	45
29	BREAKING A CHAOTIC IMAGE ENCRYPTION ALGORITHM BASED ON MODULO ADDITION AND XOR OPERATION. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2013, 23, 1350075.	1.7	44
30	Cryptanalysis of a chaotic block cipher with external key and its improved version. Chaos, Solitons and Fractals, 2008, 37, 299-307.	5.1	40
31	Cryptanalysis of an Image Scrambling Scheme Without Bandwidth Expansion. IEEE Transactions on Circuits and Systems for Video Technology, 2008, 18, 338-349.	8.3	40
32	BREAKING A CHAOTIC CRYPTOGRAPHIC SCHEME BASED ON COMPOSITION MAPS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2010, 20, 2561-2568.	1.7	40
33	Cryptanalyzing Two Image Encryption Algorithms Based on a First-Order Time-Delay System. IEEE MultiMedia, 2022, 29, 74-84.	1.7	38
34	Cryptanalysis of a New Signal Security System for Multimedia Data Transmission. Eurasip Journal on Advances in Signal Processing, 2005, 2005, 1.	1.7	36
35	Cryptanalysis of an image block encryption algorithm based on chaotic maps. Journal of Information Security and Applications, 2020, 54, 102566.	2.5	36
36	Cryptanalyzing an Encryption Scheme Based on Blind Source Separation. IEEE Transactions on Circuits and Systems I: Regular Papers, 2008, 55, 1055-1063.	5.4	34

#	Article	IF	Citations
37	Cryptanalyzing a class of image encryption schemes based on Chinese remainder theorem. Signal Processing: Image Communication, 2014, 29, 914-920.	3.2	34
38	Global multistability and analog circuit implementation of an adapting synapse-based neuron model. Nonlinear Dynamics, 2020, 101, 1105-1118.	5.2	33
39	Deciphering an Image Cipher Based on Mixed Transformed Logistic Maps. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2015, 25, 1550188.	1.7	29
40	Cryptanalysis of a discrete-time synchronous chaotic encryption system. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 1034-1039.	2.1	28
41	ARM-embedded implementation of a video chaotic secure communication via WAN remote transmission with desirable security and frame rate. Nonlinear Dynamics, 2016, 86, 725-740.	5.2	24
42	Cryptanalysis of a data security protection scheme for VoIP. IET Computer Vision, 2006, 153, 1.	1.3	22
43	CRYPTANALYSIS OF A NEW CHAOTIC CRYPTOSYSTEM BASED ON ERGODICITY. International Journal of Modern Physics B, 2009, 23, 651-659.	2.0	21
44	Design and Smartphone-Based Implementation of a Chaotic Video Communication Scheme via WAN Remote Transmission. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2016, 26, 1650158.	1.7	21
45	Cryptanalysis of a Chaotic Neural Network Based Multimedia Encryption Scheme. Lecture Notes in Computer Science, 2004, , 418-425.	1.3	21
46	Design and ARMâ€embedded implementation of a chaotic mapâ€based multicast scheme for multiuser speech wireless communication. International Journal of Circuit Theory and Applications, 2017, 45, 1849-1872.	2.0	20
47	On the security of a class of image encryption schemes. , 2008, , .		19
48	BREAKING AN IMAGE ENCRYPTION ALGORITHM BASED ON CHAOS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2011, 21, 2067-2076.	1.7	18
49	Recognition-Oriented Image Compressive Sensing With Deep Learning. IEEE Transactions on Multimedia, 2023, 25, 2022-2032.	7.2	17
50	Efficient arbitrated quantum signature and its proof of security. Quantum Information Processing, 2013, 12, 2427-2439.	2.2	16
51	On the security of arbitrated quantum signature schemes. Journal of Physics A: Mathematical and Theoretical, 2013, 46, 015307.	2.1	16
52	Cryptanalysis of a computer cryptography scheme based on a filter bank. Chaos, Solitons and Fractals, 2009, 41, 410-413.	5.1	15
53	On the security of the Yenâ€"Guoâ€™s domino signal encryption algorithm (DSEA). Journal of Systems and Software, 2006, 79, 253-258.	4.5	14
54	Cryptanalysis of an image encryption scheme. Journal of Electronic Imaging, 2006, 15, 043012.	0.9	14

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55	A differential cryptanalysis of Yen–Chen–Wu multimedia cryptography system. Journal of Systems and Software, 2010, 83, 1443-1452.	4.5	9
56	On the impossibility of non-static quantum bit commitment between two parties. Quantum Information Processing, 2012, 11, 519-527.	2.2	9
57	Chosen-Plaintext Cryptanalysis of a Clipped-Neural-Network-Based Chaotic Cipher. Lecture Notes in Computer Science, 2005, , 630-636.	1.3	8
58	Cryptanalysis of an Image Encryption Scheme Using Cellular Automata Substitution and SCAN. Lecture Notes in Computer Science, 2010, , 601-610.	1.3	7
59	A Driving Behavior Risk Classification Framework via the Unbalanced Time Series Samples. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-12.	4.7	7
60	Cryptanalysis of a Multistage Encryption System. , 0, , .		3
61	On the Network Analysis of the State Space of Discrete Dynamical Systems. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2017, 27, 1750062.	1.7	3
62	Network Analysis of Chaotic Dynamics in Fixed-Precision Digital Domain. , 2019, , .		2
63	Network Analysis of Chebyshev Polynomial in a Fixed-precision Digital Domain. , 2021, , .		1
64	On the security of a secure Lempel-Ziv-Welch (LZW) algorithm. , 2011, , .		0