

Zhongyun Hua

List of Publications by Year in descending order

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52
papers

5,303
citations

159358

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223531

46
g-index

52
all docs

52
docs citations

52
times ranked

1890
citing authors

#	ARTICLE	IF	CITATIONS
1	2D Sine Logistic modulation map for image encryption. Information Sciences, 2015, 297, 80-94.	4.0	595
2	Image encryption using 2D Logistic-adjusted-Sine map. Information Sciences, 2016, 339, 237-253.	4.0	562
3	Cosine-transform-based chaotic system for image encryption. Information Sciences, 2019, 480, 403-419.	4.0	503
4	2D Logistic-Sine-coupling map for image encryption. Signal Processing, 2018, 149, 148-161.	2.1	415
5	Cascade Chaotic System With Applications. IEEE Transactions on Cybernetics, 2015, 45, 2001-2012.	6.2	297
6	Medical image encryption using high-speed scrambling and pixel adaptive diffusion. Signal Processing, 2018, 144, 134-144.	2.1	246
7	Cross-plane colour image encryption using a two-dimensional logistic tent modular map. Information Sciences, 2021, 546, 1063-1083.	4.0	185
8	Design of image cipher using block-based scrambling and image filtering. Information Sciences, 2017, 396, 97-113.	4.0	168
9	Sine Chaotification Model for Enhancing Chaos and Its Hardware Implementation. IEEE Transactions on Industrial Electronics, 2019, 66, 1273-1284.	5.2	162
10	Two-Dimensional Memristive Hyperchaotic Maps and Application in Secure Communication. IEEE Transactions on Industrial Electronics, 2021, 68, 9931-9940.	5.2	139
11	Color image encryption using orthogonal Latin squares and a new 2D chaotic system. Nonlinear Dynamics, 2021, 104, 4505-4522.	2.7	131
12	Sine-Transform-Based Chaotic System With FPGA Implementation. IEEE Transactions on Industrial Electronics, 2018, 65, 2557-2566.	5.2	127
13	Image Encryption Using Josephus Problem and Filtering Diffusion. IEEE Access, 2019, 7, 8660-8674.	2.6	119
14	Memristive Rulkov Neuron Model With Magnetic Induction Effects. IEEE Transactions on Industrial Informatics, 2022, 18, 1726-1736.	7.2	116
15	Initials-Boosted Coexisting Chaos in a 2-D Sine Map and Its Hardware Implementation. IEEE Transactions on Industrial Informatics, 2021, 17, 1132-1140.	7.2	108
16	Visually secure image encryption using adaptive-thresholding sparsification and parallel compressive sensing. Signal Processing, 2021, 183, 107998.	2.1	107
17	Discrete Memristor Hyperchaotic Maps. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 4534-4544.	3.5	105
18	Two-Dimensional Sine Chaotification System With Hardware Implementation. IEEE Transactions on Industrial Informatics, 2020, 16, 887-897.	7.2	99

#	ARTICLE	IF	CITATIONS
19	Generalized Nonconvex Low-Rank Tensor Approximation for Multi-View Subspace Clustering. IEEE Transactions on Image Processing, 2021, 30, 4022-4035.	6.0	96
20	Dynamic Parameter-Control Chaotic System. IEEE Transactions on Cybernetics, 2016, 46, 3330-3341.	6.2	92
21	Two-Dimensional Modular Chaotification System for Improving Chaos Complexity. IEEE Transactions on Signal Processing, 2020, 68, 1937-1949.	3.2	89
22	Design and application of an S-box using complete Latin square. Nonlinear Dynamics, 2021, 104, 807-825.	2.7	89
23	Exponential Chaotic Model for Generating Robust Chaos. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 3713-3724.	5.9	74
24	Memristor-Based Hyperchaotic Maps and Application in Auxiliary Classifier Generative Adversarial Nets. IEEE Transactions on Industrial Informatics, 2022, 18, 5297-5306.	7.2	68
25	Reversible data hiding in encrypted images using adaptive block-level prediction-error expansion. Signal Processing: Image Communication, 2018, 64, 78-88.	1.8	64
26	One-Dimensional Nonlinear Model for Producing Chaos. IEEE Transactions on Circuits and Systems I: Regular Papers, 2018, 65, 235-246.	3.5	56
27	Two-Dimensional Parametric Polynomial Chaotic System. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 4402-4414.	5.9	48
28	Designing Hyperchaotic Cat Maps With Any Desired Number of Positive Lyapunov Exponents. IEEE Transactions on Cybernetics, 2018, 48, 463-473.	6.2	45
29	Discrete memristive neuron model and its interspike interval-encoded application in image encryption. Science China Technological Sciences, 2021, 64, 2281-2291.	2.0	41
30	Memristor-Coupled Logistic Hyperchaotic Map. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 2992-2996.	2.2	34
31	n -Dimensional Discrete Cat Map Generation Using Laplace Expansions. IEEE Transactions on Cybernetics, 2016, 46, 2622-2633.	6.2	30
32	Smooth nonlinear fitting scheme for analog multiplierless implementation of Hindmarsh-Rose neuron model. Nonlinear Dynamics, 2021, 104, 4379-4389.	2.7	29
33	Adaptive Transition Probability Matrix Learning for Multiview Spectral Clustering. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 4712-4726.	7.2	26
34	Sine-Transform-Based Memristive Hyperchaotic Model With Hardware Implementation. IEEE Transactions on Industrial Informatics, 2023, 19, 2792-2801.	7.2	26
35	n -Dimensional Polynomial Chaotic System With Applications. IEEE Transactions on Circuits and Systems I: Regular Papers, 2022, 69, 784-797.	3.5	25
36	Memristive Hénon map with hidden Neimark-Sacker bifurcations. Nonlinear Dynamics, 2022, 108, 4459-4470.	2.7	25

#	ARTICLE	IF	CITATIONS
37	Image Encryption Using Value-Differencing Transformation and Modified ZigZag Transformation. Nonlinear Dynamics, 2021, 106, 3583-3599.	2.7	22
38	Trajectory Forecasting Based on Prior-Aware Directed Graph Convolutional Neural Network. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 16773-16785.	4.7	22
39	Reversible Data Hiding in Encrypted Images Using Cipher-Feedback Secret Sharing. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 4968-4982.	5.6	20
40	Image encryption using 2D Logistic-Sine chaotic map. , 2014, , .		18
41	A 2-D conditional symmetric hyperchaotic map with complete control. Nonlinear Dynamics, 2022, 109, 1155-1165.	2.7	16
42	On Reliable Multi-View Affinity Learning for Subspace Clustering. IEEE Transactions on Multimedia, 2021, 23, 4555-4566.	5.2	14
43	An n -Dimensional Chaotic System Generation Method Using Parametric Pascal Matrix. IEEE Transactions on Industrial Informatics, 2022, 18, 8434-8444.	7.2	13
44	Blockchain-Assisted Conditional Anonymity Privacy-Preserving Public Auditing Scheme With Reward Mechanism. IEEE Systems Journal, 2022, 16, 4477-4488.	2.9	12
45	Modular chaotification model with FPGA implementation. Science China Technological Sciences, 2021, 64, 1472-1484.	2.0	7
46	A new series-wound framework for generating 1D chaotic maps. , 2013, , .		5
47	A Novel Image Encryption Scheme Using Josephus Permutation and Image Filtering. Lecture Notes in Computer Science, 2017, , 307-319.	1.0	5
48	A Novel Differential-Chaos-Shift-Keying Secure Communication Scheme. , 2018, , .		4
49	Image Cipher Using a New Interactive Two-Dimensional Chaotic Map. , 2015, , .		2
50	A new 1D parameter-control chaotic framework. Proceedings of SPIE, 2014, , .	0.8	1
51	Locality-Sensitive Hashing Scheme Based on Heap Sort of Hash Bucket. , 2019, , .		1
52	Reversible data hiding method in encrypted images using secret sharing and Huffman coding. , 2021, , .		0