Je Sen Teh

List of Publications by Year
in descending order

40 papers	1,179 citations	430874 18 h-index	395702 33 g-index
40 all docs	40 docs citations	40 times ranked	699 citing authors

#	Article	IF	Citations
1	A new hybrid digital chaotic system with applications in image encryption. Signal Processing, 2019, 160, 45-58.	3.7	292
2	An image encryption scheme based on hybridizing digital chaos and finite state machine. Signal Processing, 2019, 164, 249-266.	3.7	122
3	Enhanced digital chaotic maps based on bit reversal with applications in random bit generators. Information Sciences, 2020, 512, 1155-1169.	6.9	65
4	Blockchain Consensus: An Overview of Alternative Protocols. Symmetry, 2021, 13, 1363.	2.2	59
5	Parallel chaotic hash function based on the shuffle-exchange network. Nonlinear Dynamics, 2015, 81, 1067-1079.	5.2	58
6	A New Chaotic Image Watermarking Scheme Based on SVD and IWT. IEEE Access, 2020, 8, 43391-43406.	4.2	52
7	Implementation and practical problems of chaos-based cryptography revisited. Journal of Information Security and Applications, 2020, 50, 102421.	2.5	49
8	Digital Cosine Chaotic Map for Cryptographic Applications. IEEE Access, 2019, 7, 150609-150622.	4.2	47
9	Hybrid SVD-Based Image Watermarking Schemes: A Review. IEEE Access, 2021, 9, 32931-32968.	4.2	46
10	Enhancing unimodal digital chaotic maps through hybridisation. Nonlinear Dynamics, 2019, 96, 601-613.	5.2	41
11	A chaos-based keyed hash function based on fixed point representation. Cluster Computing, 2019, 22, 649-660.	5.0	40
12	An Integrated Architecture for Maintaining Security in Cloud Computing Based on Blockchain. IEEE Access, 2021, 9, 69513-69526.	4.2	27
13	GPUs and chaos: a new true random number generator. Nonlinear Dynamics, 2015, 82, 1913-1922.	5.2	25
14	Unkeyed hash function based on chaotic sponge construction and fixed-point arithmetic. Nonlinear Dynamics, 2020, 100, 713-729.	5.2	21
15	An FPP-resistant SVD-based image watermarking scheme based on chaotic control. AEJ - Alexandria Engineering Journal, 2022, 61, 5713-5734.	6.4	21
16	Deterministic chaotic finite-state automata. Nonlinear Dynamics, 2019, 98, 2403-2421.	5.2	20
17	An overview of visual cryptography techniques. Multimedia Tools and Applications, 2021, 80, 31927-31952.	3.9	20
18	A Novel Hash Function Based on a Chaotic Sponge and DNA Sequence. IEEE Access, 2021, 9, 17882-17897.	4.2	19

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19	A New Hash Function Based on Chaotic Maps and Deterministic Finite State Automata. IEEE Access, 2020, 8, 113163-113174.	4.2	18
20	Towards Accurate Statistical Analysis of Security Margins: New Searching Strategies for Differential Attacks. IEEE Transactions on Computers, 2017, 66, 1763-1777.	3.4	15
21	A Chaos-Based Authenticated Cipher with Associated Data. Security and Communication Networks, 2017, 2017, 1-15.	1.5	15
22	Âµ2 : A Lightweight Block Cipher. Lecture Notes in Electrical Engineering, 2020, , 281-290.	0.4	14
23	A parallelizable chaos-based true random number generator based on mobile device cameras for the Android platform. Multimedia Tools and Applications, 2019, 78, 15929-15949.	3.9	11
24	A Deep Learning Approach for Active S-Box Prediction of Lightweight Generalized Feistel Block Ciphers. IEEE Access, 2021, 9, 104205-104216.	4.2	10
25	An enhanced color visual cryptography scheme based on the binary dragonfly algorithm. International Journal of Computers and Applications, 2020, , 1-10.	1.3	9
26	Multifactor authentication system based on color visual cryptography, facial recognition, and dragonfly optimization. Information Security Journal, 2021, 30, 149-159.	1.9	9
27	Lightweight Block Cipher Security Evaluation Based on Machine Learning Classifiers and Active S-Boxes. IEEE Access, 2021, 9, 134052-134064.	4.2	7
28	Improved Differential Characteristic Searching Methods. , 2015, , .		6
29	Improved (related-key) Attacks on Round-Reduced KATAN-32/48/64 Based on the Extended Boomerang Framework. Lecture Notes in Computer Science, 2016, , 333-346.	1.3	6
30	New differential cryptanalysis results for the lightweight block cipher BORON. Journal of Information Security and Applications, 2022, 66, 103129.	2.5	6
31	A Stream Cipher based on Spatiotemporal Chaos and True Random Synchronization. IETE Journal of Research, 2017, 63, 346-357.	2.6	5
32	A post-processing method for true random number generators based on hyperchaos with applications in audio-based generators. Frontiers of Computer Science, 2020, 14, 1.	2.4	5
33	A true random number generator based on hyperchaos and digital sound. , 2016, , .		4
34	Authentication for ID cards based on colour visual cryptography and facial recognition. , 2019, , .		4
35	Network traffic identification of several open source secure proxy protocols. International Journal of Network Management, 2021, 31, e2090.	2.2	3
36	Analysis of differential distribution of lightweight block cipher based on parallel processing on GPU. Journal of Information Security and Applications, 2020, 55, 102565.	2.5	2

#	Article	IF	Citations
37	Generating True Random Numbers Based on Multicore CPU Using Race Conditions and Chaotic Maps. Arabian Journal for Science and Engineering, 2020, 45, 10019-10032.	3.0	2
38	Accurate Estimation of the Full Differential Distribution for General Feistel Structures. Lecture Notes in Computer Science, 2016, , 108-124.	1.3	2
39	Improved Facial Recognition Algorithms Based on Dragonfly and Grasshopper Optimization. Lecture Notes in Electrical Engineering, 2021, , 101-116.	0.4	1
40	Automated enumeration of block cipher differentials: An optimized branch-and-bound GPU framework. Journal of Information Security and Applications, 2022, 65, 103087.	2.5	1