Yong Wang

List of Publications by Year
in descending order

58 papers	2,598 citations	257101 24 h-index	205818 48 g-index
58 all docs	58 docs citations	58 times ranked	1671 citing authors

#	Article	IF	Citations
1	A new chaos-based fast image encryption algorithm. Applied Soft Computing Journal, 2011, 11, 514-522.	4.1	492
2	A chaos-based image encryption algorithm with variable control parameters. Chaos, Solitons and Fractals, 2009, 41, 1773-1783.	2.5	259
3	A novel method to design S-box based on chaotic map and genetic algorithm. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 827-833.	0.9	156
4	A block cipher with dynamic S-boxes based on tent map. Communications in Nonlinear Science and Numerical Simulation, 2009, 14, 3089-3099.	1.7	137
5	A hybrid user similarity model for collaborative filtering. Information Sciences, 2017, 418-419, 102-118.	4.0	121
6	A pseudorandom number generator based on piecewise logistic map. Nonlinear Dynamics, 2016, 83, 2373-2391.	2.7	109
7	An image coding scheme using parallel compressive sensing for simultaneous compression-encryption applications. Journal of Visual Communication and Image Representation, 2017, 44, 116-127.	1.7	100
8	One-way hash function construction based on 2D coupled map lattices. Information Sciences, 2008, 178, 1391-1406.	4.0	98
9	Image encryption using partitioned cellular automata. Neurocomputing, 2018, 275, 1318-1332.	3.5	77
10	Separable reversible data hiding in encrypted image based on pixel value ordering and additive homomorphism. Journal of Visual Communication and Image Representation, 2017, 45, 1-10.	1.7	76
11	Two-echelon logistics distribution region partitioning problem based on a hybrid particle swarm optimizationâ€“genetic algorithm. Expert Systems With Applications, 2015, 42, 5019-5031.	4.4	74
12	A Novel K-medoids clustering recommendation algorithm based on probability distribution for collaborative filtering. Knowledge-Based Systems, 2019, 175, 96-106.	4.0	73
13	A genetic algorithm for constructing bijective substitution boxes with high nonlinearity. Information Sciences, 2020, 523, 152-166.	4.0	71
14	Parallel keyed hash function construction based on chaotic neural network. Neurocomputing, 2009, 72, 2288-2296.	3.5	62
15	Cryptanalysis and improvement on a block cryptosystem based on iteration a chaotic map. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 363, 277-281.	0.9	60
16	Cryptanalysis of a chaotic image cipher using Latin square-based confusion and diffusion. Nonlinear Dynamics, 2017, 88, 1305-1316.	2.7	60
17	Parallel hash function construction based on coupled map lattices. Communications in Nonlinear Science and Numerical Simulation, 2011, 16, 2810-2821.	1.7	44
18	Security analysis on a color image encryption based on DNA encoding and chaos map. Computers and Electrical Engineering, 2015, 46, 433-446.	3.0	42

#	Article	IF	Citations
19	A novel method for one-way hash function construction based on spatiotemporal chaos. Chaos, Solitons and Fractals, 2009, 42, 2014-2022.	2.5	37
20	One-way hash function construction based on chaotic map network. Chaos, Solitons and Fractals, 2009, 41, 2566-2574.	2.5	36
21	Multi-focus image fusion and robust encryption algorithm based on compressive sensing. Optics and Laser Technology, 2017, 91, 212-225.	2.2	33
22	Securing image information using double random phase encoding and parallel compressive sensing with updated sampling processes. Optics and Lasers in Engineering, 2017, 98, 123-133.	2.0	30
23	Improving the security of a parallel keyed hash function based on chaotic maps. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 4346-4353.	0.9	28
24	A Method for Constructing Bijective S-Box with High Nonlinearity Based on Chaos and Optimization. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2015, 25, 1550127.	0.7	27
25	A new item similarity based on <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si125.svg"><mml:mrow><mml:mi>Î±</mml:mi></mml:mrow></mml:math>-divergence for collaborative filtering in sparse data. Expert Systems With Applications, 2021, 166, 114074.	4.4	25
26	A stream cipher algorithm based on 2D coupled map lattice and partitioned cellular automata. Nonlinear Dynamics, 2020, 101, 1383-1396.	2.7	24
27	A differentially private nonnegative matrix factorization for recommender system. Information Sciences, 2022, 592, 21-35.	4.0	22
28	A chaotic image encryption algorithm based on coupled piecewise sine map and sensitive diffusion structure. Nonlinear Dynamics, 2021, 104, 4615-4633.	2.7	21
29	An efficient and accurate recommendation strategy using degree classification criteria for item-based collaborative filtering. Expert Systems With Applications, 2021, 164, 113756.	4.4	19
30	A novel chaotic map constructed by geometric operations and its application. Nonlinear Dynamics, 2020, 102, 2843-2858.	2.7	18
31	A method for designing S-box based on chaotic neural network. , 2010, , .		16
32	A novel chaotic block cryptosystem based on iterating map with output-feedback. Chaos, Solitons and Fractals, 2009, 41, 505-510.	2.5	15
33	High-capacity separable data hiding in encrypted image based on compressive sensing. Multimedia Tools and Applications, 2016, 75, 13779-13789.	2.6	15
34	A Pseudorandom Number Generator Based on a 4D Piecewise Logistic Map with Coupled Parameters. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2019, 29, 1950124.	0.7	14
35	An intuitionistic fuzzy set based hybrid similarity model for recommender system. Expert Systems With Applications, 2019, 135, 153-163.	4.4	12
36	Sentiment based multi-index integrated scoring method to improve the accuracy of recommender system. Expert Systems With Applications, 2021, 179, 115105.	4.4	12

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37	A similarity measure based on Kullbackâ€“Leibler divergence for collaborative filtering in sparse data. Journal of Information Science, 2019, 45, 656-675.	2.0	11
38	One-Way Hash Function Construction Based on Iterating a Chaotic Map. , 2007, , .		9
39	Chaotic mapâ€based timeâ€aware multiâ€keyword search scheme with designated server. Wireless Communications and Mobile Computing, 2016, 16, 1851-1858.	0.8	7
40	A Sensitive Image Encryption Algorithm Based on a Higher-Dimensional Chaotic Map and Steganography. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2022, 32, .	0.7	7
41	A differentially private matrix factorization based on vector perturbation for recommender system. Neurocomputing, 2022, 483, 32-41.	3.5	7
42	Recommending property with short days-on-market for estate agency. Journal of Ambient Intelligence and Humanized Computing, 2018, 9, 2077-2092.	3.3	6
43	A Novel Compressive Image Encryption with an Improved 2D Coupled Map Lattice Model. Security and Communication Networks, 2021, 2021, 1-21.	1.0	6
44	An S-box Construction Algorithm Based on Spatiotemporal Chaos. , 2010, , .		5
45	Controllable high-capacity separable data hiding in encrypted images by compressive sensing and data pretreatment. Multimedia Tools and Applications, 2018, 77, 23949-23968.	2.6	4
46	A Fast Stream Cipher Based on Spatiotemporal Chaos. , 2009, , .		3
47	Security Analysis of a Block Encryption Algorithm Based on Dynamic Sequences of Multiple Chaotic Systems. Chinese Physics Letters, 2011, 28, 010503.	1.3	3
48	An optimization model for the transportation network with hierarchical structure: the case of China Post. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 167-182.	3.3	3
49	Privacy Recommendation Based on Bhattacharyya Coefficient. Procedia Computer Science, 2021, 188, 61-68.	1.2	3
50	Comments on, â€œA blind source separation-based method for multiple images encryptionâ€• Communications in Nonlinear Science and Numerical Simulation, 2011, 16, 1675-1686.	1.7	2
51	Research on investor sentiment and stock market prediction based on Weibo text. , 2018, , .		2
52	A Prediction Model for the Risk of Osteoporosis Fracture in the Elderly Based on a Neural Network. Lecture Notes in Computer Science, 2018, , 815-823.	1.0	2
53	Status and development strategies of Chinese travel search engines. , 2011, , .		1
54	A New Interval Preference Model and Corresponding Fuzzy Similarity Measure for Collaborative Filtering. , 2020, , .		1

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55	A collaborative filtering algorithm based on item labels and Hellinger distance for sparse data. Journal of Information Science, 2022, 48, 749-766.	2.0	1
56	An improved recommendation algorithm based on Bhattacharyya Coefficient. , 2016, , .		0
57	An Intelligent System for Detecting Illegal Words in Online Advertisement. , 2017, , .		0
58	Design and Analysis on a Parallel Chaos-Based Hash Function. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2020, 30, 2050188.	0.7	0