

Hai Yu

List of Publications by Year in descending order

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102
papers

2,586
citations

236612

25
h-index

197535

49
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103
all docs

103
docs citations

103
times ranked

1776
citing authors

#	ARTICLE	IF	CITATIONS
1	Runtime Permission Issues in Android Apps: Taxonomy, Practices, and Ways Forward. IEEE Transactions on Software Engineering, 2023, 49, 185-210.	4.3	4
2	Will Dependency Conflicts Affect My Program's Semantics?. IEEE Transactions on Software Engineering, 2022, 48, 2295-2316.	4.3	13
3	Duplicated zigzag decodable fountain codes with the unequal error protection property. Computer Communications, 2022, 185, 66-78.	3.1	1
4	Devising optimal integration test orders using cost-benefit analysis. Frontiers of Information Technology and Electronic Engineering, 2022, 23, 692-714.	1.5	2
5	Hero: On the Chaos When PATH Meets Modules. , 2021, , .		2
6	An ultrahigh-resolution image encryption algorithm using random super-pixel strategy. Multimedia Tools and Applications, 2021, 80, 33429-33454.	2.6	2
7	Superpixels With Content-Adaptive Criteria. IEEE Transactions on Image Processing, 2021, 30, 7702-7716.	6.0	8
8	Watershed-Based Superpixels With Global and Local Boundary Marching. IEEE Transactions on Image Processing, 2020, 29, 7375-7388.	6.0	14
9	Locating multiple information sources in social networks based on the naming game. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126908.	0.9	4
10	A Naming Game-Based Method for the Location of Information Source in Social Networks. Complexity, 2020, 2020, 1-8.	0.9	0
11	An Image Encryption Algorithm Based on Random Hamiltonian Path. Entropy, 2020, 22, 73.	1.1	13
12	Watchman. , 2020, , .		30
13	Efficient and Secure Image Encryption Algorithm Using a Novel Key-Substitution Architecture. IEEE Access, 2019, 7, 84386-84400.	2.6	14
14	Hot Topic Detection Based on a Refined TF-IDF Algorithm. IEEE Access, 2019, 7, 26996-27007.	2.6	63
15	A Symmetric Image Encryption Algorithm Based on a Coupled Logistic-Bernoulli Map and Cellular Automata Diffusion Strategy. Entropy, 2019, 21, 504.	1.1	29
16	Efficient protection using chaos for Context-Adaptive Binary Arithmetic Coding in H.264/Advanced Video Coding. Multimedia Tools and Applications, 2019, 78, 18967-18994.	2.6	7
17	Evolutionary Game Dynamics of the Competitive Information Propagation on Social Networks. Complexity, 2019, 2019, 1-11.	0.9	17
18	Joint image compression-encryption scheme using entropy coding and compressive sensing. Nonlinear Dynamics, 2019, 95, 2235-2261.	2.7	31

#	ARTICLE	IF	CITATIONS
19	Using reliability risk analysis to prioritize test cases. Journal of Systems and Software, 2018, 139, 14-31.	3.3	11
20	Modeling and analyzing cascading dynamics of the Internet based on local congestion information. Physica A: Statistical Mechanics and Its Applications, 2018, 499, 298-309.	1.2	9
21	Risk Analysis on Multi-Granular Flow Network for Software Integration Testing. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 1059-1063.	2.2	4
22	Optimization of cascading failure on complex network based on NNIA. Physica A: Statistical Mechanics and Its Applications, 2018, 501, 42-51.	1.2	19
23	Automatic Software Refactoring via Weighted Clustering in Method-Level Networks. IEEE Transactions on Software Engineering, 2018, 44, 202-236.	4.3	24
24	Do the dependency conflicts in my project matter?. , 2018, , .		43
25	The construction of Chinese microblog gender-specific thesauruses and user gender classification. Applied Network Science, 2018, 3, 47.	0.8	2
26	Research Frontier in Chaos Theory and Complex Networks. Entropy, 2018, 20, 734.	1.1	2
27	Improved online fountain codes. IET Communications, 2018, 12, 2297-2304.	1.5	13
28	Evaluation of Systemsâ€™ Irregularity and Complexity: Sample Entropy, Its Derivatives, and Their Applications across Scales and Disciplines. Entropy, 2018, 20, 794.	1.1	8
29	Hybrid method combining superpixel, random walk and active contour model for fast and accurate liver segmentation. Computerized Medical Imaging and Graphics, 2018, 70, 119-134.	3.5	15
30	SSCSMA-based random relay selection scheme for large-scale relay networks. Computer Communications, 2018, 127, 13-19.	3.1	3
31	A Dynamic Personalized News Recommendation System Based on BAP User Profiling Method. IEEE Access, 2018, 6, 41068-41078.	2.6	17
32	An image encryption scheme using self-adaptive selective permutation and inter-intra-block feedback diffusion. Signal Processing, 2018, 151, 130-143.	2.1	52
33	An image encryption algorithm based on compound homogeneous hyper-chaotic system. Nonlinear Dynamics, 2017, 89, 61-79.	2.7	76
34	A Special Hybrid Projective Synchronization in Symmetric Chaotic System With Unknown Parameter. Journal of Computational and Nonlinear Dynamics, 2017, 12, .	0.7	3
35	An effective collaborative filtering algorithm based on adjusted user-item rating matrix. , 2017, , .		2
36	A distributed energy-efficient cooperative routing algorithm based on optimal power allocation. , 2017, , .		2

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37	A novel cooperative routing algorithm based on "Gravitation" in wireless networks. , 2017, , .		1
38	Analysis of the Dynamic Influence of Social Network Nodes. Scientific Programming, 2017, 2017, 1-6.	0.5	0
39	Relative health index of wind turbines based on kernel density estimation. , 2017, , .		0
40	A Novel Image Encryption Scheme Using the Composite Discrete Chaotic System. Entropy, 2016, 18, 276.	1.1	36
41	Collaborative Contextual Anomaly Detection for Industrial Equipment Groups. , 2016, , .		0
42	A security improved image encryption scheme based on chaotic Baker map and hyperchaotic Lorenz system. International Journal of Computational Science and Engineering, 2016, 12, 113.	0.4	21
43	Fuzzy-information-based robustness of interconnected networks against attacks and failures. Physica A: Statistical Mechanics and Its Applications, 2016, 458, 194-203.	1.2	8
44	Image encryption based on three-dimensional bit matrix permutation. Signal Processing, 2016, 118, 36-50.	2.1	186
45	Gyrator transform based double random phase encoding with sparse representation for information authentication. Optics and Laser Technology, 2015, 70, 50-58.	2.2	37
46	Reusing the permutation matrix dynamically for efficient image cryptographic algorithm. Signal Processing, 2015, 111, 294-307.	2.1	50
47	Optical image encryption scheme using 3-D chaotic map based joint image scrambling and random encoding in gyrator domains. Optics Communications, 2015, 341, 263-270.	1.0	39
48	An efficient image encryption scheme using gray code based permutation approach. Optics and Lasers in Engineering, 2015, 67, 191-204.	2.0	71
49	Color image encryption based on paired interpermuting planes. Optics Communications, 2015, 338, 199-208.	1.0	28
50	Analysis and improvement of a double-image encryption scheme using pixel scrambling technique in gyrator domains. Optics and Lasers in Engineering, 2015, 66, 1-9.	2.0	65
51	A fast chaos-based image encryption scheme with a dynamic state variables selection mechanism. Communications in Nonlinear Science and Numerical Simulation, 2015, 20, 846-860.	1.7	131
52	A SOCIAL NETWORK MODEL WITH PROXIMITY PRESTIGE PROPERTY. Journal of Applied Analysis and Computation, 2015, 5, 177-188.	0.2	4
53	A Multiaddress Co-Chaos Shift Keying Communication Scheme and Performance Analysis. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2014, 24, 1450050.	0.7	0
54	Modified Projective Outer Synchronization between Two Fractional Order Complex Networks via Adaptive Control. Discrete Dynamics in Nature and Society, 2014, 2014, 1-8.	0.5	3

#	ARTICLE	IF	CITATIONS
55	An Efficient Diffusion Scheme for Chaos-Based Digital Image Encryption. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-13.	0.6	9
56	Chaos-Fractals Theories and Applications. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-1.	0.6	0
57	Modified Projective Synchronization between Different Fractional-Order Systems Based on Open-Plus-Closed-Loop Control and Its Application in Image Encryption. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-10.	0.6	4
58	A novel double-image encryption scheme based on cross-image pixel scrambling in gyrator domains. <i>Optics Express</i> , 2014, 22, 7349.	1.7	67
59	A new pipe routing method for aero-engines based on genetic algorithm. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2014, 228, 424-434.	0.7	40
60	Fast Single Image Super-Resolution via Self-Example Learning and Sparse Representation. <i>IEEE Transactions on Multimedia</i> , 2014, 16, 2178-2190.	5.2	110
61	A fast image encryption scheme with a novel pixel swapping-based confusion approach. <i>Nonlinear Dynamics</i> , 2014, 77, 1191-1207.	2.7	67
62	A fast chaos-based symmetric image cryptosystem with an improved diffusion scheme. <i>Optik</i> , 2014, 125, 2472-2478.	1.4	31
63	Design of Finite-Time Synchronization Controller and Its Application to Security Communication System. <i>Applied Mathematics and Information Sciences</i> , 2014, 8, 387-391.	0.7	2
64	An image encryption scheme using reverse 2-dimensional chaotic map and dependent diffusion. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2013, 18, 2066-2080.	1.7	111
65	Integral sliding mode controller design for congestion problem in ATM networks. <i>International Journal of Control</i> , 2013, 86, 529-539.	1.2	10
66	A symmetric color image encryption algorithm using the intrinsic features of bit distributions. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2013, 18, 584-600.	1.7	135
67	An improved permutation-diffusion type image cipher with a chaotic orbit perturbing mechanism. <i>Optics Express</i> , 2013, 21, 27873.	1.7	49
68	Modified Function Projective Synchronization of Fractional Order Chaotic Systems with Different Dimensions. <i>Discrete Dynamics in Nature and Society</i> , 2013, 2013, 1-7.	0.5	4
69	Sampled-data synchronization control of chaotic systems based on min-max approach. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2013, 62, 170510.	0.2	0
70	SCALE-FREE LUBY TRANSFORM CODES. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2012, 22, 1250094.	0.7	8
71	Performance Analysis of LT Codes with Different Degree Distribution. , 2012, , .		7
72	The Generation of Hyperchaotic System and its Circuit Implementation. , 2012, , .		0

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73	A Chaos-based Joint Compression and Encryption Scheme Using Mutated Adaptive Huffman Tree. , 2012, , .		5
74	The Bidirectional Coupled Synchronization of Chaotic System Using Finite-time Control. , 2012, , .		0
75	Decomposition analysis of energy-related carbon dioxide emissions in the iron and steel industry in China. Frontiers of Environmental Science and Engineering, 2012, 6, 265-270.	3.3	31
76	An image encryption scheme using lightweight bit-level confusion and cascade cross circular diffusion. Optics Communications, 2012, 285, 2343-2354.	1.0	40
77	Real-time Face Detection Algorithm Using Fractal Features in MPEG-4 Video Stream. Journal of Convergence Information Technology, 2012, 7, 54-62.	0.1	8
78	Design of \hat{z} Synchronization Controller for Chaos System and Its Application to Security Communication System. Advanced Science Letters, 2012, 6, 364-368.	0.2	0
79	A New Chaotic Encryption Scheme Based on Enigma Machine. , 2011, , .		1
80	A chaos-based symmetric image encryption scheme using a bit-level permutation. Information Sciences, 2011, 181, 1171-1186.	4.0	557
81	A new measure to identify the hub in urban traffic networks. , 2011, , .		0
82	One-Way Hash Function Construction Based on Chaotic Coupled Map Network. , 2011, , .		4
83	A Chaotic Image Encryption Scheme Based on Magic Cube Transformation. , 2011, , .		7
84	A New Immunization Strategy for Complex Network. , 2011, , .		4
85	An Enhanced PMA-DCSK Scheme and Performance Evaluation. , 2011, , .		0
86	A Method of Chaotic Generalized Synchronization with the Stability of Error System. Dianzi Yu Xinxi Xuebao/Journal of Electronics and Information Technology, 2011, 30, 2987-2990.	0.1	0
87	Face Detection Based on Fractal and Complexion Model in the Complex Background. , 2010, , .		1
88	Cryptanalysis and Improvement on a Block Encryption Algorithm Based on Dynamic Sequences of Multiple Chaotic Systems. , 2010, , .		1
89	Fractal Color Image Coding Based on Isosceles Triangle Segmentation. , 2010, , .		2
90	Design of fuzzy immune control law for synchronization of discrete time-delay chaotic system. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
91	Efficient fractal image compression based on pixels distribution and triangular segmentation. Journal of Computer Applications, 2010, 30, 337-340.	0.1	4
92	Research and Implementation of Embedded Intelligent Network Self-Healing Equipment Based on E1 Link. , 2009, , .		0
93	Flocking in Multi-agent Systems with a Bounded Control Input. , 2009, , .		12
94	An Image Encryption Scheme Based on Chaotic Maps. , 2009, , .		7
95	An Efficient Encryption Algorithm Based on Image Reconstruction. , 2009, , .		3
96	A New Hyper-Chaos Generated from Chen's System via an External Periodic Perturbation. , 2009, , .		2
97	Fractal Image Compression Based on Number of Hopping and Variance of Continuing Positive and Negative Pixels. , 2008, , .		1
98	An approach of chaotic generalized synchronization with the space transformation. , 2008, , .		1
99	Generalized synchronization of multi-dimension hyperchaotic systems. , 2008, , .		0
100	Research and Analysis of Securities Market based on Multi-Fractal Generator. , 2008, , .		0
101	Analysis of the Chaotic Phenomena in Securities Business of China. Lecture Notes in Computer Science, 2005, , 1044-1047.	1.0	0
102	Waste Heat Recovery and Reuse of Flue Gas in Copper Pyrometallurgy. Applied Mechanics and Materials, 0, 71-78, 2239-2242.	0.2	2