

Hai Yu

List of Publications by Year in descending order

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Version: 2024-02-01

102
papers

2,586
citations

236612

25
h-index

197535

49
g-index

103
all docs

103
docs citations

103
times ranked

1776
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | A chaos-based symmetric image encryption scheme using a bit-level permutation. Information Sciences, 2011, 181, 1171-1186. | 4.0 | 557 |
| 2 | Image encryption based on three-dimensional bit matrix permutation. Signal Processing, 2016, 118, 36-50. | 2.1 | 186 |
| 3 | A symmetric color image encryption algorithm using the intrinsic features of bit distributions. Communications in Nonlinear Science and Numerical Simulation, 2013, 18, 584-600. | 1.7 | 135 |
| 4 | 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 |
| 5 | An image encryption scheme using reverse 2-dimensional chaotic map and dependent diffusion. Communications in Nonlinear Science and Numerical Simulation, 2013, 18, 2066-2080. | 1.7 | 111 |
| 6 | Fast Single Image Super-Resolution via Self-Example Learning and Sparse Representation. IEEE Transactions on Multimedia, 2014, 16, 2178-2190. | 5.2 | 110 |
| 7 | An image encryption algorithm based on compound homogeneous hyper-chaotic system. Nonlinear Dynamics, 2017, 89, 61-79. | 2.7 | 76 |
| 8 | An efficient image encryption scheme using gray code based permutation approach. Optics and Lasers in Engineering, 2015, 67, 191-204. | 2.0 | 71 |
| 9 | A novel double-image encryption scheme based on cross-image pixel scrambling in gyrator domains. Optics Express, 2014, 22, 7349. | 1.7 | 67 |
| 10 | A fast image encryption scheme with a novel pixel swapping-based confusion approach. Nonlinear Dynamics, 2014, 77, 1191-1207. | 2.7 | 67 |
| 11 | 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 |
| 12 | Hot Topic Detection Based on a Refined TF-IDF Algorithm. IEEE Access, 2019, 7, 26996-27007. | 2.6 | 63 |
| 13 | An image encryption scheme using self-adaptive selective permutation and inter-intra-block feedback diffusion. Signal Processing, 2018, 151, 130-143. | 2.1 | 52 |
| 14 | Reusing the permutation matrix dynamically for efficient image cryptographic algorithm. Signal Processing, 2015, 111, 294-307. | 2.1 | 50 |
| 15 | An improved permutation-diffusion type image cipher with a chaotic orbit perturbing mechanism. Optics Express, 2013, 21, 27873. | 1.7 | 49 |
| 16 | Do the dependency conflicts in my project matter?. , 2018, , . | | 43 |
| 17 | An image encryption scheme using lightweight bit-level confusion and cascade cross circular diffusion. Optics Communications, 2012, 285, 2343-2354. | 1.0 | 40 |
| 18 | A new pipe routing method for aero-engines based on genetic algorithm. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2014, 228, 424-434. | 0.7 | 40 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | 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 |
| 20 | Gyrator transform based double random phase encoding with sparse representation for information authentication. Optics and Laser Technology, 2015, 70, 50-58. | 2.2 | 37 |
| 21 | A Novel Image Encryption Scheme Using the Composite Discrete Chaotic System. Entropy, 2016, 18, 276. | 1.1 | 36 |
| 22 | 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 |
| 23 | A fast chaos-based symmetric image cryptosystem with an improved diffusion scheme. Optik, 2014, 125, 2472-2478. | 1.4 | 31 |
| 24 | Joint image compression and encryption scheme using entropy coding and compressive sensing. Nonlinear Dynamics, 2019, 95, 2235-2261. | 2.7 | 31 |
| 25 | Watchman. , 2020, , . | | 30 |
| 26 | A Symmetric Image Encryption Algorithm Based on a Coupled Logistic and Bernoulli Map and Cellular Automata Diffusion Strategy. Entropy, 2019, 21, 504. | 1.1 | 29 |
| 27 | Color image encryption based on paired interpermuting planes. Optics Communications, 2015, 338, 199-208. | 1.0 | 28 |
| 28 | Automatic Software Refactoring via Weighted Clustering in Method-Level Networks. IEEE Transactions on Software Engineering, 2018, 44, 202-236. | 4.3 | 24 |
| 29 | 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 |
| 30 | Optimization of cascading failure on complex network based on NNIA. Physica A: Statistical Mechanics and Its Applications, 2018, 501, 42-51. | 1.2 | 19 |
| 31 | A Dynamic Personalized News Recommendation System Based on BAP User Profiling Method. IEEE Access, 2018, 6, 41068-41078. | 2.6 | 17 |
| 32 | Evolutionary Game Dynamics of the Competitive Information Propagation on Social Networks. Complexity, 2019, 2019, 1-11. | 0.9 | 17 |
| 33 | 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 |
| 34 | Efficient and Secure Image Encryption Algorithm Using a Novel Key-Substitution Architecture. IEEE Access, 2019, 7, 84386-84400. | 2.6 | 14 |
| 35 | Watershed-Based Superpixels With Global and Local Boundary Marching. IEEE Transactions on Image Processing, 2020, 29, 7375-7388. | 6.0 | 14 |
| 36 | Improved online fountain codes. IET Communications, 2018, 12, 2297-2304. | 1.5 | 13 |

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|----|---|-----|-----------|
| 37 | An Image Encryption Algorithm Based on Random Hamiltonian Path. Entropy, 2020, 22, 73. | 1.1 | 13 |
| 38 | Will Dependency Conflicts Affect My Program's Semantics?. IEEE Transactions on Software Engineering, 2022, 48, 2295-2316. | 4.3 | 13 |
| 39 | Flocking in Multi-agent Systems with a Bounded Control Input. , 2009, , . | | 12 |
| 40 | Using reliability risk analysis to prioritize test cases. Journal of Systems and Software, 2018, 139, 14-31. | 3.3 | 11 |
| 41 | Integral sliding mode controller design for congestion problem in ATM networks. International Journal of Control, 2013, 86, 529-539. | 1.2 | 10 |
| 42 | An Efficient Diffusion Scheme for Chaos-Based Digital Image Encryption. Mathematical Problems in Engineering, 2014, 2014, 1-13. | 0.6 | 9 |
| 43 | 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 |
| 44 | SCALE-FREE LUBY TRANSFORM CODES. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250094. | 0.7 | 8 |
| 45 | 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 |
| 46 | Evaluation of Systems's Irregularity and Complexity: Sample Entropy, Its Derivatives, and Their Applications across Scales and Disciplines. Entropy, 2018, 20, 794. | 1.1 | 8 |
| 47 | Superpixels With Content-Adaptive Criteria. IEEE Transactions on Image Processing, 2021, 30, 7702-7716. | 6.0 | 8 |
| 48 | 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 |
| 49 | An Image Encryption Scheme Based on Chaotic Maps. , 2009, , . | | 7 |
| 50 | A Chaotic Image Encryption Scheme Based on Magic Cube Transformation. , 2011, , . | | 7 |
| 51 | Performance Analysis of LT Codes with Different Degree Distribution. , 2012, , . | | 7 |
| 52 | 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 |
| 53 | A Chaos-based Joint Compression and Encryption Scheme Using Mutated Adaptive Huffman Tree. , 2012, , . | | 5 |
| 54 | One-Way Hash Function Construction Based on Chaotic Coupled Map Network. , 2011, , . | | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | A New Immunization Strategy for Complex Network. , 2011, , . | | 4 |
| 56 | Modified Function Projective Synchronization of Fractional Order Chaotic Systems with Different Dimensions. Discrete Dynamics in Nature and Society, 2013, 2013, 1-7. | 0.5 | 4 |
| 57 | Modified Projective Synchronization between Different Fractional-Order Systems Based on Open-Plus-Closed-Loop Control and Its Application in Image Encryption. Mathematical Problems in Engineering, 2014, 2014, 1-10. | 0.6 | 4 |
| 58 | 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 |
| 59 | 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 |
| 60 | A SOCIAL NETWORK MODEL WITH PROXIMITY PRESTIGE PROPERTY. Journal of Applied Analysis and Computation, 2015, 5, 177-188. | 0.2 | 4 |
| 61 | Efficient fractal image compression based on pixels distribution and triangular segmentation. Journal of Computer Applications, 2010, 30, 337-340. | 0.1 | 4 |
| 62 | Runtime Permission Issues in Android Apps: Taxonomy, Practices, and Ways Forward. IEEE Transactions on Software Engineering, 2023, 49, 185-210. | 4.3 | 4 |
| 63 | An Efficient Encryption Algorithm Based on Image Reconstruction. , 2009, , . | | 3 |
| 64 | 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 |
| 65 | A Special Hybrid Projective Synchronization in Symmetric Chaotic System With Unknown Parameter. Journal of Computational and Nonlinear Dynamics, 2017, 12, , . | 0.7 | 3 |
| 66 | SSCSMA-based random relay selection scheme for large-scale relay networks. Computer Communications, 2018, 127, 13-19. | 3.1 | 3 |
| 67 | A New Hyper-Chaos Generated from Chen's System via an External Periodic Perturbation. , 2009, , . | | 2 |
| 68 | Fractal Color Image Coding Based on Isosceles Triangle Segmentation. , 2010, , . | | 2 |
| 69 | Waste Heat Recovery and Reuse of Flue Gas in Copper Pyrometallurgy. Applied Mechanics and Materials, 0, 71-78, 2239-2242. | 0.2 | 2 |
| 70 | An effective collaborative filtering algorithm based on adjusted user-item rating matrix. , 2017, , . | | 2 |
| 71 | A distributed energy-efficient cooperative routing algorithm based on optimal power allocation. , 2017, , . | | 2 |
| 72 | The construction of Chinese microblog gender-specific thesauruses and user gender classification. Applied Network Science, 2018, 3, 47. | 0.8 | 2 |

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|----|--|-----|-----------|
| 73 | Research Frontier in Chaos Theory and Complex Networks. Entropy, 2018, 20, 734. | 1.1 | 2 |
| 74 | Hero: On the Chaos When PATH Meets Modules. , 2021, , . | | 2 |
| 75 | An ultrahigh-resolution image encryption algorithm using random super-pixel strategy. Multimedia Tools and Applications, 2021, 80, 33429-33454. | 2.6 | 2 |
| 76 | Design of Finite-Time Synchronization Controller and Its Application to Security Communication System. Applied Mathematics and Information Sciences, 2014, 8, 387-391. | 0.7 | 2 |
| 77 | Devising optimal integration test orders using costâ€“benefit analysis. Frontiers of Information Technology and Electronic Engineering, 2022, 23, 692-714. | 1.5 | 2 |
| 78 | Fractal Image Compression Based on Number of Hopping and Variance of Continuing Positive and Negative Pixels. , 2008, , . | | 1 |
| 79 | An approach of chaotic generalized synchronization with the space transformation. , 2008, , . | | 1 |
| 80 | Face Detection Based on Fractal and Complexion Model in the Complex Background. , 2010, , . | | 1 |
| 81 | Cryptanalysis and Improvement on a Block Encryption Algorithm Based on Dynamic Sequences of Multiple Chaotic Systems. , 2010, , . | | 1 |
| 82 | A New Chaotic Encryption Scheme Based on Enigma Machine. , 2011, , . | | 1 |
| 83 | A novel cooperative routing algorithm based on â€œGravitationâ€•in wireless networks. , 2017, , . | | 1 |
| 84 | Duplicated zigzag decodable fountain codes with the unequal error protection property. Computer Communications, 2022, 185, 66-78. | 3.1 | 1 |
| 85 | Analysis of the Chaotic Phenomena in Securities Business of China. Lecture Notes in Computer Science, 2005, , 1044-1047. | 1.0 | 0 |
| 86 | Generalized synchronization of multi-dimension hyperchaotic systems. , 2008, , . | | 0 |
| 87 | Research and Analysis of Securities Market based on Multi-Fractal Generator. , 2008, , . | | 0 |
| 88 | Research and Implementation of Embedded Intelligent Network Self-Healing Equipment Based on E1 Link. , 2009, , . | | 0 |
| 89 | Design of fuzzy immune control law for synchronization of discrete time-delay chaotic system. , 2010, , . | | 0 |
| 90 | A new measure to identify the hub in urban traffic networks. , 2011, , . | | 0 |

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|-----|--|-----|-----------|
| 91 | An Enhanced PMA-DCSK Scheme and Performance Evaluation. , 2011, , . | | 0 |
| 92 | The Generation of Hyperchaotic System and its Circuit Implementation. , 2012, , . | | 0 |
| 93 | The Bidirectional Coupled Synchronization of Chaotic System Using Finite-time Control. , 2012, , . | | 0 |
| 94 | 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 |
| 95 | Chaos-Fractals Theories and Applications. Mathematical Problems in Engineering, 2014, 2014, 1-1. | 0.6 | 0 |
| 96 | Collaborative Contextual Anomaly Detection for Industrial Equipment Groups. , 2016, , . | | 0 |
| 97 | Analysis of the Dynamic Influence of Social Network Nodes. Scientific Programming, 2017, 2017, 1-6. | 0.5 | 0 |
| 98 | Relative health index of wind turbines based on kernel density estimation. , 2017, , . | | 0 |
| 99 | A Naming Game-Based Method for the Location of Information Source in Social Networks. Complexity, 2020, 2020, 1-8. | 0.9 | 0 |
| 100 | A Method of Chaotic Generalized Synchronization with the Stability of Error System. Dianzi Yu Xinxuebao/Journal of Electronics and Information Technology, 2011, 30, 2987-2990. | 0.1 | 0 |
| 101 | Design of H^∞ Synchronization Controller for Chaos System and Its Application to Security Communication System. Advanced Science Letters, 2012, 6, 364-368. | 0.2 | 0 |
| 102 | Sampled-data synchronization control of chaotic systems based on min-max approach. Wuli Xuebao/Acta Physica Sinica, 2013, 62, 170510. | 0.2 | 0 |