

Xinhong Hei

List of Publications by Year in descending order

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Version: 2024-02-01

72
papers

486
citations

933447

10
h-index

794594

19
g-index

72
all docs

72
docs citations

72
times ranked

428
citing authors

#	ARTICLE	IF	CITATIONS
1	Motion trajectory prediction based on a CNN-LSTM sequential model. Science China Information Sciences, 2020, 63, 1.	4.3	91
2	Adaptive Transition Probability Matrix-Based Parallel IMM Algorithm. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 2980-2989.	9.3	65
3	A Novel IoV Block-Streaming Service Awareness and Trusted Verification Scheme in 6G. IEEE Transactions on Vehicular Technology, 2021, 70, 5197-5210.	6.3	30
4	Bare-Bones Teaching-Learning-Based Optimization. Scientific World Journal, The, 2014, 2014, 1-17.	2.1	21
5	Computational Methods and Online Resources for Identification of piRNA-Related Molecules. Interdisciplinary Sciences, Computational Life Sciences, 2021, 13, 176-191.	3.6	21
6	A trusted recommendation scheme for privacy protection based on federated learning. CCF Transactions on Networking, 2020, 3, 218-228.	1.1	18
7	Improving the performance of multisubject motor imagery-based BCIs using twin cascaded softmax CNNs. Journal of Neural Engineering, 2021, 18, 036024.	3.5	17
8	Estimating the Probability Density Function of Remaining Useful Life for Wiener Degradation Process with Uncertain Parameters. International Journal of Control, Automation and Systems, 2019, 17, 2734-2745.	2.7	15
9	Dynamic game model of botnet DDoS attack and defense. Security and Communication Networks, 2016, 9, 3127-3140.	1.5	14
10	A Symmetric Sine Cosine Algorithm With Adaptive Probability Selection. IEEE Access, 2020, 8, 25272-25285.	4.2	11
11	Optimal approximation of stable linear systems with a novel and efficient optimization algorithm. , 2014, , .		10
12	A Blockchain-Based Decentralized Cloud Resource Scheduling Architecture. , 2018, , .		10
13	A Prediction Method Based on Stepwise Regression Analysis for Train Axle Temperature. , 2016, , .		9
14	A Survey of Control Algorithm for Automatic Train Operation. , 2019, , .		9
15	An unknown protocol syntax analysis method based on convolutional neural network. Transactions on Emerging Telecommunications Technologies, 2021, 32, e3922.	3.9	9
16	An effective cooperative coevolution framework integrating global and local search for large scale optimization problems. , 2015, , .		8
17	A phase based optimization algorithm for big optimization problems. , 2016, , .		8
18	Feature Extraction Optimization for Bitstream Communication Protocol Format Reverse Analysis. , 2019, , .		8

#	ARTICLE	IF	CITATIONS
19	A Graph-Based Method for IFC Data Merging. <i>Advances in Civil Engineering</i> , 2020, 2020, 1-15.	0.7	8
20	An improved integrated fingerprint location algorithm based on WKNN. , 2017, , .		7
21	High-Speed Train Emergency Brake Modeling and Online Identification of Time-Varying Parameters. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-13.	1.1	7
22	Transductive Semisupervised Deep Hashing. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2022, 33, 3713-3726.	11.3	6
23	Abnormal Samples Oversampling for Anomaly Detection Based on Uniform Scale Strategy and Closed Area. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2023, 35, 11999-12011.	5.7	6
24	A Rejuvenation Model for Software System under Normal Attack. , 2015, , .		5
25	Bitstream Protocol Classification Mechanism Based on Feature Extraction. , 2019, , .		5
26	Deep Learning Data Privacy Protection Based on Homomorphic Encryption in AIoT. <i>Mobile Information Systems</i> , 2021, 2021, 1-11.	0.6	5
27	Toward Automatic Calculation of Construction Quantity Based on Building Information Modeling. , 2015, , .		4
28	The Driver Time Memory Car-Following Model Simulating in Apollo Platform with GRU and Real Road Traffic Data. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-18.	1.1	4
29	Unmanned System Safety Decision-Making Support: Analysis and Assessment of Road Traffic Accidents. <i>IEEE/ASME Transactions on Mechatronics</i> , 2021, 26, 633-644.	5.8	4
30	A Simple and Real-Time Parallel Compression of Time Series Scientific Simulation Data for Interactive and Cooperative Supercomputing. , 2014, , .		3
31	Genome-wide discovery of long intergenic noncoding RNAs and their epigenetic signatures in the rat. <i>Scientific Reports</i> , 2017, 7, 14817.	3.3	3
32	A 3-D Structural Components Automatic Modeling Method Based on BIM. , 2017, , .		3
33	A Novel Subgraph Querying Method on Directed Weighted Graphs. , 2018, , .		3
34	Multi-model train state estimation based on multi-sensor parallel fusion filtering. <i>Accident Analysis and Prevention</i> , 2022, 165, 106506.	5.7	3
35	Fault Diagnosis Based on Prior Knowledge for Train Air-Conditioning Unit. , 2015, , .		2
36	Toward Automatic Review of Building Energy Efficiency Based on Building Information Modeling. , 2016, , .		2

#	ARTICLE	IF	CITATIONS
37	The Method of Integrated Pipeline Intelligent Conversion of BIM Design Model into Fine BIM Construction Model. , 2017, , .		2
38	Analysis and Protection of DDOS Attack Based on RSSP-II Protocol. , 2018, , .		2
39	A RMM Based Word Segmentation Method for Chinese Design Specifications of Building Stairs. , 2018, , .		2
40	Energy Saving Strategy for Task Migration Based on Genetic Algorithm. , 2018, , .		2
41	High Speed Train Axle Temperature Prediction Based on Support Vector Regression. , 2019, , .		2
42	A motion simulation model for road network based crowdsourced map datum. Journal of Intelligent and Fuzzy Systems, 2020, 38, 391-407.	1.4	2
43	Combined access control model embedding configurable policy for fine-grained data security. Microprocessors and Microsystems, 2020, 75, 103060.	2.8	2
44	Cross-Domain Text Classification Based on BERT Model. Lecture Notes in Computer Science, 2021, , 197-208.	1.3	2
45	Parallel anomaly detection algorithm for cybersecurity on the highspeed train control system. Mathematical Biosciences and Engineering, 2022, 19, 287-308.	1.9	2
46	Independent credible: Secure communication architecture of Android devices based on TrustZone. , 2020, , .		2
47	Trusted Data Storage Architecture for National Infrastructure. Sensors, 2022, 22, 2318.	3.8	2
48	A real-time model of railway interlocking system based on UML extension mechanism. , 2013, , .		1
49	A design of inrush current identification system for high-speed train's traction transformer. , 2014, , .		1
50	Efficient (k, n) Secret Sharing Scheme Secure against $k \hat{\leq} 2$ Cheaters. , 2017, , .		1
51	Semautomatic Generation of Code Ontology Using ifcOWL in Compliance Checking. Advances in Civil Engineering, 2021, 2021, 1-18.	0.7	1
52	From Unknown to Similar: Unknown Protocol Syntax Analysis for Network Flows in IoT. Security and Communication Networks, 2021, 2021, 1-13.	1.5	1
53	Prediction of Cancer-Related piRNAs Based on Network-Based Stratification Analysis. International Journal of Pattern Recognition and Artificial Intelligence, 2022, 36, .	1.2	1
54	Fault Diagnosis of Brake Train based on Multi-Source Information Fusion. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
55	Remaining useful life prediction of nonlinear degradation process based on EKF. , 2021, , .		1
56	A STL-GALSTM Model to Predict the Track Irregularity of High-Speed Railway. , 2021, , .		1
57	A Heuristic SAT Problems Solving Method based on LSTM Network. , 2021, , .		1
58	A Safety Framework and Alarming Model for Train Operation Environment Based on CPS. , 2011, , .		0
59	A Parallel Genetic Algorithm for Solving the Probabilistic Minimum Spanning Tree Problem. , 2013, , .		0
60	Study on describing problems of temporal interval centered synchronization within DRIS. , 2013, , .		0
61	The design and implementation of the metro driving simulation system based on virtual reality. , 2013, , .		0
62	Coercion: A Distributed Clustering Algorithm for Categorical Data. , 2013, , .		0
63	A Feasible Control Strategy for LQG Control Problem with Parameter and Structure Uncertainties. , 2014, , .		0
64	A Rendering Algorithm for Function Call Diagram in Software Reliability Assurance. , 2014, , .		0
65	Reliability methodology and theory for development of novel railway signalling systems. , 2014, , .		0
66	Reconstitution of the three-dimensional temperature field inside the impenetrable solid. , 2016, , .		0
67	The Assessment Study of Airport Staff Work Performance Based on Fuzzy Comprehensive Evaluation. , 2016, , .		0
68	2P20 A Data Storage and Access Mechanism of 3D Building Information Modeling for Urban Rail Transit Engineering(Shotgun Session). The Proceedings of International Symposium on Seed-up and Service Technology for Railway and Maglev Systems STECH, 2015, 2015, _2P20-1_-_2P20-8_.	0.0	0
69	A New Ship Target Detecting Method Based on Saliency in SAR Image. , 2021, , .		0
70	A permission generation and configuration method based on Rules and FP-Growth algorithm. , 2021, , .		0
71	Forecasting the Track Irregularity of High-speed Railway based on a WT-GA-GRU Model. , 2021, , .		0
72	Trusted Storage Architecture for Machine Reasoning based on Blockchain. , 2022, , .		0