

Honghao Gao

List of Publications by Year in descending order

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Version: 2024-02-01

122
papers

3,839
citations

109321

35
h-index

149698

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g-index

123
all docs

123
docs citations

123
times ranked

2519
citing authors

#	ARTICLE	IF	CITATIONS
1	A Mutually Supervised Graph Attention Network for Few-Shot Segmentation: The Perspective of Fully Utilizing Limited Samples. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2024, PP, 1-13.	11.3	82
2	A Corresponding Region Fusion Framework for Multi-modal Cervical Lesion Detection. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2024, , 1-1.	3.0	3
3	A Prior-mask-guided Few-shot Learning for Skin Lesion Segmentation. <i>Computing (Vienna/New York)</i> , 2023, 105, 717-739.	4.8	15
4	CariesNet: a deep learning approach for segmentation of multi-stage caries lesion from oral panoramic X-ray image. <i>Neural Computing and Applications</i> , 2023, 35, 16051-16059.	5.6	32
5	TSMAC: A Novel Anomaly Detection Approach for Internet of Things Time Series Data Using Memory-Augmented Autoencoder. <i>IEEE Transactions on Network Science and Engineering</i> , 2023, 10, 2978-2990.	6.4	89
6	A Novel GAPG Approach to Automatic Property Generation for Formal Verification: The GAN Perspective. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , 2023, 19, 1-22.	4.3	9
7	Applying Probabilistic Model Checking to the Behavior Guidance and Abnormality Detection for A-MCI Patients under Wireless Sensor Network. <i>ACM Transactions on Sensor Networks</i> , 2023, 19, 1-24.	3.6	10
8	PPO2: Location Privacy-Oriented Task Offloading to Edge Computing Using Reinforcement Learning for Intelligent Autonomous Transport Systems. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2023, 24, 7599-7612.	8.0	47
9	Collaborative Learning-Based Industrial IoT API Recommendation for Software-Defined Devices: The Implicit Knowledge Discovery Perspective. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2022, 6, 66-76.	4.9	90
10	A Dynamic and Scalable User-Centric Route Planning Algorithm Based on Polychromatic Sets Theory. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 2762-2772.	8.0	17
11	An Information Fusion Approach to Intelligent Traffic Signal Control Using the Joint Methods of Multiagent Reinforcement Learning and Artificial Intelligence of Things. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 9335-9345.	8.0	22
12	A Blockchain-Based Mutual Authentication Scheme for Collaborative Edge Computing. <i>IEEE Transactions on Computational Social Systems</i> , 2022, 9, 146-158.	4.4	31
13	The Deep Features and Attention Mechanism-Based Method to Dish Healthcare Under Social IoT Systems: An Empirical Study With a Hand-Deep Local-Global Net. <i>IEEE Transactions on Computational Social Systems</i> , 2022, 9, 336-347.	4.4	66
14	Discriminative Cervical Lesion Detection in Colposcopic Images With Global Class Activation and Local Bin Excitation. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2022, 26, 1411-1421.	6.3	28
15	A new QoS prediction model using hybrid IOWA-ANFIS with fuzzy C-means, subtractive clustering and grid partitioning. <i>Information Sciences</i> , 2022, 584, 280-300.	6.9	48
16	A Hybrid Approach to Trust Node Assessment and Management for VANETs Cooperative Data Communication: Historical Interaction Perspective. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 16504-16513.	8.0	61
17	Dependence-Aware Edge Intelligent Function Offloading for 6G-Based IoV. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, , 1-10.	8.0	8
18	Cloud Risk Management With OWA-LSTM and Fuzzy Linguistic Decision Making. <i>IEEE Transactions on Fuzzy Systems</i> , 2022, 30, 4657-4666.	9.8	19

#	ARTICLE	IF	CITATIONS
19	Machine Learning-Driven APPs Recommendation for Energy Optimization in Green Communication and Networking for Connected and Autonomous Vehicles. IEEE Transactions on Green Communications and Networking, 2022, 6, 1543-1552.	5.5	7
20	LBlockchainE: A Lightweight Blockchain for Edge IoT-Enabled Maritime Transportation Systems. IEEE Transactions on Intelligent Transportation Systems, 2022, , 1-15.	8.0	11
21	BCI+VR rehabilitation design of closed-loop motor imagery based on the degree of drug addiction. China Communications, 2022, 19, 62-72.	3.2	4
22	Assessing cloud QoS predictions using OWA in neural network methods. Neural Computing and Applications, 2022, 34, 14895-14912.	5.6	14
23	The Joint Method of Triple Attention and Novel Loss Function for Entity Relation Extraction in Small Data-Driven Computational Social Systems. IEEE Transactions on Computational Social Systems, 2022, 9, 1725-1735.	4.4	25
24	Transformation-based processing of typed resources for multimedia sources in the IoT environment. Wireless Networks, 2021, 27, 3377-3393.	3.0	83
25	A Multi-Scale Activity Transition Network for Data Translation in EEG Signals Decoding. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2021, 18, 1699-1709.	3.0	11
26	Improved VGG model-based efficient traffic sign recognition for safe driving in 5G scenarios. International Journal of Machine Learning and Cybernetics, 2021, 12, 3069-3080.	3.6	37
27	BANet: A Balanced Atrous Net Improved From SSD for Autonomous Driving in Smart Transportation. IEEE Sensors Journal, 2021, 21, 25018-25026.	4.7	11
28	A Deep Learning Approach for Colonoscopy Pathology WSI Analysis: Accurate Segmentation and Classification. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 3700-3708.	6.3	64
29	V2VR: Reliable Hybrid-Network-Oriented V2V Data Transmission and Routing Considering RSUs and Connectivity Probability. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 3533-3546.	8.0	176
30	Sentiment classification with adversarial learning and attention mechanism. Computational Intelligence, 2021, 37, 774-798.	3.2	4
31	The throughput optimization for wireless sensor networks adopting interference alignment and successive interference cancellation. Peer-to-Peer Networking and Applications, 2021, 14, 1748-1764.	3.9	1
32	Spectral-Based Directed Graph Network for Malware Detection. IEEE Transactions on Network Science and Engineering, 2021, 8, 957-970.	6.4	11
33	Blockchain-Enabled Cyber-Physical Systems: A Review. IEEE Internet of Things Journal, 2021, 8, 4023-4034.	8.7	47
34	Location-aware computing to mobile services recommendation: Theory and practice. Journal of Ambient Intelligence and Smart Environments, 2021, 13, 3-4.	1.4	0
35	A Low-Latency and Energy-Efficient Multimetric Routing Protocol Based on Network Connectivity in VANET Communication. IEEE Transactions on Green Communications and Networking, 2021, 5, 1761-1776.	5.5	14
36	IEEE Access Special Section Editorial: Innovation and Application of Internet of Things and Emerging Technologies in Smart Sensing. IEEE Access, 2021, 9, 76816-76821.	4.2	1

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37	Preference discovery from wireless social media data in APIs recommendation. <i>Wireless Networks</i> , 2021, 27, 3441-3451.	3.0	7
38	The Cloud-edge-based Dynamic Reconfiguration to Service Workflow for Mobile Ecommerce Environments. <i>ACM Transactions on Internet Technology</i> , 2021, 21, 1-23.	4.4	100
39	Incentive-Driven Computation Offloading in Blockchain-Enabled E-Commerce. <i>ACM Transactions on Internet Technology</i> , 2021, 21, 1-19.	4.4	9
40	Multi-modality fusion learning for the automatic diagnosis of optic neuropathy. <i>Pattern Recognition Letters</i> , 2021, 142, 58-64.	4.2	15
41	A Weakly Supervised Semantic Segmentation Network by Aggregating Seed Cues: The Multi-Object Proposal Generation Perspective. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , 2021, 17, 1-19.	4.3	57
42	Guest Editorial Optimization of Electric Vehicle Networks and Heterogeneous Networking in Future Smart Cities. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021, 22, 1748-1751.	8.0	1
43	Editorial: Machine Learning Used in Biomedical Computing and Intelligence Healthcare, Volume I. <i>Frontiers in Genetics</i> , 2021, 12, 678140.	2.3	4
44	Integration of satellite-aerial-terrestrial networks. <i>Transactions on Emerging Telecommunications Technologies</i> , 2021, 32, e4297.	3.9	0
45	Mobile app recommendation via heterogeneous graph neural network in edge computing. <i>Applied Soft Computing Journal</i> , 2021, 103, 107162.	7.2	16
46	SSUR: An Approach to Optimizing Virtual Machine Allocation Strategy Based on User Requirements for Cloud Data Center. <i>IEEE Transactions on Green Communications and Networking</i> , 2021, 5, 670-681.	5.5	101
47	Intelligent Traffic Signal Control Based on Reinforcement Learning with State Reduction for Smart Cities. <i>ACM Transactions on Internet Technology</i> , 2021, 21, 1-24.	4.4	15
48	Editorial: AI-based mobile multimedia computing for data-smart processing. <i>Computer Networks</i> , 2021, 195, 108197.	5.1	0
49	Personalized APIs Recommendation With Cognitive Knowledge Mining for Industrial Systems. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 6153-6161.	11.3	47
50	Energy-Efficient Scans by Weaving Indexes Into the Storage Layout in Computing Platforms for Internet of Things. <i>IEEE Transactions on Green Communications and Networking</i> , 2021, 5, 1212-1222.	5.5	1
51	A Partition-Based Partial Personalized Model for Points-of-Interest Recommendations. <i>IEEE Transactions on Computational Social Systems</i> , 2021, 8, 1223-1237.	4.4	7
52	Hypomimia Recognition in Parkinson's Disease With Semantic Features. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , 2021, 17, 1-20.	4.3	5
53	Tiny FCOS: a Lightweight Anchor-Free Object Detection Algorithm for Mobile Scenarios. <i>Mobile Networks and Applications</i> , 2021, 26, 2219-2229.	3.3	5
54	Edge computing: Enabling technologies, applications, and services. <i>Transactions on Emerging Telecommunications Technologies</i> , 2021, 32, .	3.9	2

#	ARTICLE	IF	CITATIONS
55	Integrated AHP-IOWA, POWA Framework for Ideal Cloud Provider Selection and Optimum Resource Management. IEEE Transactions on Services Computing, 2021, , 1-1.	4.6	25
56	SDTIOA: Modeling the Timed Privacy Requirements of IoT Service Composition: A User Interaction Perspective for Automatic Transformation from BPEL to Timed Automata. Mobile Networks and Applications, 2021, 26, 2272-2297.	3.3	46
57	Artificial Intelligence in Collaborative Computing. Mobile Networks and Applications, 2021, 26, 2389-2391.	3.3	1
58	Forecasting with Machine Learning Techniques. Forecasting, 2021, 3, 868-869.	2.8	5
59	Real-Time Multiple-Workflow Scheduling in Cloud Environments. IEEE Transactions on Network and Service Management, 2021, 18, 4002-4018.	4.9	68
60	A Secure Random Key Distribution Scheme Against Node Replication Attacks in Industrial Wireless Sensor Systems. IEEE Transactions on Industrial Informatics, 2020, 16, 2091-2101.	11.3	36
61	Editorial: ACM/Springer Mobile Networks & Applications - Special Issue on Mobile Service Computing and Applications. Mobile Networks and Applications, 2020, 25, 373-375.	3.3	0
62	BeCome: Blockchain-Enabled Computation Offloading for IoT in Mobile Edge Computing. IEEE Transactions on Industrial Informatics, 2020, 16, 4187-4195.	11.3	222
63	SoProtector: Safeguard Privacy for Native SO Files in Evolving Mobile IoT Applications. IEEE Internet of Things Journal, 2020, 7, 2539-2552.	8.7	16
64	Real-Time Fault Detection for IIoT Facilities Using GBRBM-Based DNN. IEEE Internet of Things Journal, 2020, 7, 5713-5722.	8.7	41
65	Energy aware edge computing: A survey. Computer Communications, 2020, 151, 556-580.	5.1	97
66	Cloud Marginal Resource Allocation: A Decision Support Model. Mobile Networks and Applications, 2020, 25, 1418-1433.	3.3	26
67	Offloading decision methods for multiple users with structured tasks in edge computing for smart cities. Future Generation Computer Systems, 2020, 105, 717-729.	7.5	73
68	Context-Aware QoS Prediction With Neural Collaborative Filtering for Internet-of-Things Services. IEEE Internet of Things Journal, 2020, 7, 4532-4542.	8.7	159
69	Entity-related paths modeling for knowledge base completion. Frontiers of Computer Science, 2020, 14, 1.	2.4	9
70	Editorial: ACM/Springer Mobile Networks & Applications - Special Issue on Mobile Computing and Software Engineering. Mobile Networks and Applications, 2020, 25, 672-673.	3.3	1
71	Special issue on recent advances in mobile service computing and applications. Wireless Networks, 2020, 26, 5501-5502.	3.0	0
72	QoS Prediction for Service Recommendation With Features Learning in Mobile Edge Computing Environment. IEEE Transactions on Cognitive Communications and Networking, 2020, 6, 1136-1145.	7.9	86

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73	Categorizing Malware via A Word2Vec-based Temporal Convolutional Network Scheme. Journal of Cloud Computing: Advances, Systems and Applications, 2020, 9, .	3.9	13
74	Multi-Objective Data Placement for Workflow Management in Cloud Infrastructure Using NSGA-II. IEEE Transactions on Emerging Topics in Computational Intelligence, 2020, 4, 605-615.	4.9	27
75	A Transfer Learning Based Super-Resolution Microscopy for Biopsy Slice Images: The Joint Methods Perspective. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2020, 18, 1-1.	3.0	33
76	Editorial: Mobile Recommendations for Location-Based Services and Social Networks. Mobile Networks and Applications, 2020, 25, 2172-2173.	3.3	0
77	Device-Free Indoor Multi-target Tracking in Mobile Environment. Mobile Networks and Applications, 2020, 25, 1195-1207.	3.3	1
78	Mining consuming Behaviors with Temporal Evolution for Personalized Recommendation in Mobile Marketing Apps. Mobile Networks and Applications, 2020, 25, 1233-1248.	3.3	93
79	A healthcare-oriented mobile question-and-answering system for smart cities. Transactions on Emerging Telecommunications Technologies, 2020, , e4012.	3.9	3
80	Traffic Volume Prediction Based on Multi-Sources GPS Trajectory Data by Temporal Convolutional Network. Mobile Networks and Applications, 2020, 25, 1405-1417.	3.3	24
81	Dynamical Resource Allocation in Edge for Trustable Internet-of-Things Systems: A Reinforcement Learning Method. IEEE Transactions on Industrial Informatics, 2020, 16, 6103-6113.	11.3	116
82	Computing Power Allocation and Traffic Scheduling for Edge Service Provisioning. , 2020, , .		14
83	A Dynamic Planning Framework for QoS-Based Mobile Service Composition Under Cloud-Edge Hybrid Environments. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 58-70.	0.3	6
84	Novel Financial Capital Flow Forecast Framework Using Time Series Theory and Deep Learning: A Case Study Analysis of Yuâ€™e Bao Transaction Data. IEEE Access, 2019, 7, 70662-70672.	4.2	16
85	Consumers Team Detection Model Based on Trust for Multi-Level. Mobile Information Systems, 2019, 2019, 1-10.	0.6	0
86	Toward Computation Offloading in Edge Computing: A Survey. IEEE Access, 2019, 7, 131543-131558.	4.2	146
87	Prediction of Extubation Failure for Intensive Care Unit Patients Using Light Gradient Boosting Machine. IEEE Access, 2019, 7, 150960-150968.	4.2	59
88	New Retail Business Analysis and Modeling: A Taobao Case Study. IEEE Transactions on Computational Social Systems, 2019, 6, 1126-1137.	4.4	12
89	An Edge Computing Platform for Intelligent Operational Monitoring in Internet Data Centers. IEEE Access, 2019, 7, 133375-133387.	4.2	21
90	A hierarchical recurrent approach to predict scene graphs from a visual-attention-oriented perspective. Computational Intelligence, 2019, 35, 496-516.	3.2	17

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91	Personalization Recommendation Algorithm Based on Trust Correlation Degree and Matrix Factorization. IEEE Access, 2019, 7, 45451-45459.	4.2	21
92	Location-Based Test Case Prioritization for Software Embedded in Mobile Devices Using the Law of Gravitation. Mobile Information Systems, 2019, 2019, 1-14.	0.6	13
93	A novel approach to workload prediction using attention-based LSTM encoder-decoder network in cloud environment. Eurasip Journal on Wireless Communications and Networking, 2019, 2019, .	2.4	80
94	An IoT-based task scheduling optimization scheme considering the deadline and cost-aware scientific workflow for cloud computing. Eurasip Journal on Wireless Communications and Networking, 2019, 2019, .	2.4	95
95	Applying improved particle swarm optimization for dynamic service composition focusing on quality of service evaluations under hybrid networks. International Journal of Distributed Sensor Networks, 2018, 14, 155014771876158.	2.2	46
96	Test Sequence Reduction of Wireless Protocol Conformance Testing to Internet of Things. Security and Communication Networks, 2018, 2018, 1-13.	1.5	4
97	Automated Quantitative Verification for Service-Based System Design: A Visualization Transform Tool Perspective. International Journal of Software Engineering and Knowledge Engineering, 2018, 28, 1369-1397.	0.8	58
98	Applying Probabilistic Model Checking to Financial Production Risk Evaluation and Control: A Case Study of Alibaba's Yu'e Bao. IEEE Transactions on Computational Social Systems, 2018, 5, 785-795.	4.4	50
99	Toward service selection for workflow reconfiguration:An interface-based computing solution. Future Generation Computer Systems, 2018, 87, 298-311.	7.5	100
100	Probabilistic Model Checking-Based Service Selection Method for Business Process Modeling. International Journal of Software Engineering and Knowledge Engineering, 2017, 27, 897-923.	0.8	41
101	An Approach to Data Consistency Checking for the Dynamic Replacement of Service Process. IEEE Access, 2017, 5, 11700-11711.	4.2	56
102	Answering Who/When, What, How, Why through Constructing Data Graph, Information Graph, Knowledge Graph and Wisdom Graph. , 2017, , .		12
103	Fepchecker: An Automatic Model Checker for Verifying Fairness and Non-Repudiation of Security Protocols in Web Service. International Journal of Software Engineering and Knowledge Engineering, 2016, 26, 563-585.	0.8	2
104	Applying Probabilistic Model Checking to Service Discovery Framework. , 2016, , .		0
105	Manifold-Learning Based API Recommendation for Mashup Creation. , 2015, , .		35
106	Service Selection Using Service Clusters. , 2015, , .		2
107	Service Reconfiguration Architecture Based on Probabilistic Modeling Checking. , 2014, , .		5
108	An algorithm on fairness verification of mobile sink routing in wireless sensor network. Personal and Ubiquitous Computing, 2013, 17, 851-864.	2.8	8

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109	A Quantitative Model-Based Selection of Web Service Reconfiguration. , 2013, , .		1
110	Research on the dynamic reconfiguration of Web application using two-phase compatibility verification. International Journal of Computer Mathematics, 2013, 90, 2265-2278.	1.8	5
111	Predictive Web Service Monitoring using Probabilistic Model Checking. Applied Mathematics and Information Sciences, 2013, 7, 139-148.	0.5	14
112	An Approach to Modeling and Verifying Router-Based Network. , 2012, , .		0
113	A Heuristic Model-Based Test Prioritization Method for Regression Testing. , 2012, , .		7
114	Research on Web Service Composition Using Probabilistic Abstraction Refinement. , 2011, , .		0
115	Quantitative Verification of Navigation Model for Reliable Web Applications. , 2011, , .		1
116	Probabilistic Timed Model Checking for Atomic Web Service. , 2011, , .		1
117	QoS-Aware Web Services Composition Based on HQPSO Algorithm. , 2011, , .		5
118	Generating Quantitative Test Cases for Probabilistic Timed Web Service Composition. , 2011, , .		2
119	ChroNet: A multi-task learning based approach for prediction of multiple chronic diseases. Multimedia Tools and Applications, 0, , 1.	3.9	3
120	Boosting and rectifying few-shot learning prototype network for skin lesion classification based on the internet of medical things. Wireless Networks, 0, , 1.	3.0	3
121	Applying Probabilistic Model Checking to Path Planning in an Intelligent Transportation System Using Mobility Trajectories and Their Statistical Data. Intelligent Automation and Soft Computing, 0, , -1--1.	2.1	62
122	Editorial: Intelligent Collaboration Under Internet of Things and Mobile Edge Computing. Mobile Networks and Applications, 0, , .	3.3	1