

# Keke Gai

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

141  
papers

4,219  
citations

38  
h-index

62  
g-index

163  
ext. papers

6,023  
ext. citations

4.7  
avg, IF

6.54  
L-index

#	Paper	IF	Citations
141	A Privacy-Preserving Auditable Approach Using Threshold Tag-Based Encryption in Consortium Blockchain. <i>Lecture Notes in Computer Science</i> , <b>2022</b> , 265-275	0.9	1
140	A Framework for Mimic Defense System in Cyberspace. <i>Journal of Signal Processing Systems</i> , <b>2021</b> , 93, 169-185	1.4	5
139	BESIFL: Blockchain Empowered Secure and Incentive Federated Learning Paradigm in IoT. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 1-1	10.7	4
138	A Multiple Sieve Approach Based on Artificial Intelligent Techniques and Correlation Power Analysis. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , <b>2021</b> , 17, 1-21	3.4	0
137	Time-Efficient Ensemble Learning with Sample Exchange for Edge Computing. <i>ACM Transactions on Internet Technology</i> , <b>2021</b> , 21, 1-17	3.8	0
136	An Energy-Aware High Performance Task Allocation Strategy in Heterogeneous Fog Computing Environments. <i>IEEE Transactions on Computers</i> , <b>2021</b> , 70, 626-639	2.5	10
135	IoT Microservice Deployment in Edge-Cloud Hybrid Environment Using Reinforcement Learning. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 8, 12610-12622	10.7	12
134	Blockchain-Enabled Trustworthy Group Communications in UAV Networks. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2021</b> , 22, 4118-4130	6.1	16
133	Blockchain-Based Privacy-Preserving Medical Data Sharing Scheme Using Federated Learning. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 634-646	0.9	3
132	An Edge Trajectory Protection Approach Using Blockchain. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 647-658	0.9	0
131	Attacking the Edge-of-Things: A Physical Attack Perspective. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 1-1	10.7	0
130	BS-KGS: Blockchain Sharding Empowered Knowledge Graph Storage. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 451-462	0.9	1
129	Cross-Chain-Based Decentralized Identity for Mortgage Loans. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 619-633	0.9	2
128	SearchBC: A Blockchain-Based PEKS Framework for IoT Services. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 8, 5031-5044	10.7	3
127	Blockchain-as-a-Service Powered Knowledge Graph Construction. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 500-511	0.9	0
126	GAN-Enabled Code Embedding for Reentrant Vulnerabilities Detection. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 585-597	0.9	0
125	Achieving a Covert Channel over an Open Blockchain Network. <i>IEEE Network</i> , <b>2020</b> , 34, 6-13	11.4	17

124	A machine learning based golden-free detection method for command-activated hardware Trojan. <i>Information Sciences</i> , <b>2020</b> , 540, 292-307	7.7	3
123	. <i>IEEE Communications Surveys and Tutorials</i> , <b>2020</b> , 22, 2009-2030	37.1	80
122	A Novel Data Placement Strategy for Data-Sharing Scientific Workflows in Heterogeneous Edge-Cloud Computing Environments <b>2020</b> ,		12
121	Edge Computing and Lightning Network Empowered Secure Food Supply Management. <i>IEEE Internet of Things Journal</i> , <b>2020</b> , 1-1	10.7	5
120	An Approach of Secure Two-Way-Pegged Multi-sidechain. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 551-564		5
119	Understanding Privacy-Preserving Techniques in Digital Cryptocurrencies. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 3-18	0.9	4
118	Consensus in Lens of Consortium Blockchain: An Empirical Study. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 282-296	0.9	1
117	LNBFMS: A Food Safety Management System Using Blockchain and Lightning Network. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 19-34	0.9	2
116	Reputation-Based Trustworthy Supply Chain Management Using Smart Contract. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 35-49	0.9	3
115	Blockchain Meets DAG: A BlockDAG Consensus Mechanism. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 110-125	0.9	3
114	Zero-to-Stable Driver Identification: A Non-Intrusive and Scalable Driver Identification Scheme. <i>IEEE Transactions on Vehicular Technology</i> , <b>2020</b> , 69, 163-171	6.8	15
113	Modelization and analysis of dynamic heterogeneous redundant system. <i>Concurrency Computation Practice and Experience</i> , <b>2020</b> , e6035	1.4	1
112	Machine Learning Empowered Content Delivery: Status, Challenges, and Opportunities. <i>IEEE Network</i> , <b>2020</b> , 34, 228-234	11.4	4
111	ChainIDE 2.0: Facilitating Smart Contract Development for Consortium Blockchain <b>2020</b> ,		3
110	WiPOS: A POS Terminal Password Inference System Based on Wireless Signals. <i>IEEE Internet of Things Journal</i> , <b>2020</b> , 7, 7506-7516	10.7	1
109	Cost-Aware Multimedia Data Allocation for Heterogeneous Memory Using Genetic Algorithm in Cloud Computing. <i>IEEE Transactions on Cloud Computing</i> , <b>2020</b> , 8, 1212-1222	3.3	101
108	. <i>IEEE Transactions on Industrial Informatics</i> , <b>2020</b> , 16, 4156-4165	11.9	87
107	An Incentive Mechanism Using Shapley Value for Blockchain-Based Medical Data Sharing <b>2019</b> ,		11

106	Permissioned Blockchain and Edge Computing Empowered Privacy-Preserving Smart Grid Networks. <i>IEEE Internet of Things Journal</i> , <b>2019</b> , 6, 7992-8004	10.7	163
105	Blockchain-Enabled Cloud Data Preservation Services <b>2019</b> , 43-52		
104	Content-centric Caching Using Deep Reinforcement Learning in Mobile Computing <b>2019</b> ,		1
103	Blockchain-enabled Data Provenance in Cloud Datacenter Reengineering <b>2019</b> ,		7
102	An Efficient and Accurate Nonintrusive Load Monitoring Scheme for Power Consumption. <i>IEEE Internet of Things Journal</i> , <b>2019</b> , 6, 9054-9063	10.7	9
101	A New Complex Network Robustness Attack Algorithm <b>2019</b> ,		3
100	Fusion of Cognitive Wireless Networks and Edge Computing. <i>IEEE Wireless Communications</i> , <b>2019</b> , 26, 69-75	13.4	25
99	Blockchain Technology in Internet of Things <b>2019</b> ,		1
98	Blockchain and Internet of Things <b>2019</b> , 9-28		3
97	Security and Privacy Issues in Internet of Things <b>2019</b> , 29-40		
96	Blockchain-Enabled Controllable Data Management <b>2019</b> , 53-64		
95	Exploring Topics in Blockchain-Enabled Internet of Things <b>2019</b> , 109-114		1
94	. <i>IEEE Transactions on Cloud Computing</i> , <b>2019</b> , 1-1	3.3	8
93	An Improved Algorithm for Recruitment Text Categorization. <i>Communications in Computer and Information Science</i> , <b>2019</b> , 335-348	0.3	
92	Efficiency Issues and Solutions in Blockchain: A Survey. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 76-86	0.9	1
91	Location-based Privacy-preserving Techniques in Connected Environment: A Survey <b>2019</b> ,		2
90	Toward Smart Treatment Management for Personalized Healthcare. <i>IEEE Network</i> , <b>2019</b> , 33, 30-36	11.4	34
89	Privacy-Preserving Energy Trading Using Consortium Blockchain in Smart Grid. <i>IEEE Transactions on Industrial Informatics</i> , <b>2019</b> , 15, 3548-3558	11.9	238

88	Controllable and trustworthy blockchain-based cloud data management. <i>Future Generation Computer Systems</i> , <b>2019</b> , 91, 527-535	7.5	151
87	Optimal solution to intelligent multi-channel wireless communications using dynamic programming. <i>Journal of Supercomputing</i> , <b>2019</b> , 75, 1894-1908	2.5	2
86	. <i>IEEE Transactions on Industrial Informatics</i> , <b>2018</b> , 14, 3590-3598	11.9	99
85	Privacy-preserving smart data storage for financial industry in cloud computing. <i>Concurrency Computation Practice and Experience</i> , <b>2018</b> , 30, e4278	1.4	9
84	Privacy-preserving multi-channel communication in Edge-of-Things. <i>Future Generation Computer Systems</i> , <b>2018</b> , 85, 190-200	7.5	60
83	In-memory big data analytics under space constraints using dynamic programming. <i>Future Generation Computer Systems</i> , <b>2018</b> , 83, 219-227	7.5	14
82	Privacy-Preserving Content-Oriented Wireless Communication in Internet-of-Things. <i>IEEE Internet of Things Journal</i> , <b>2018</b> , 5, 3059-3067	10.7	103
81	Cost-aware optimal data allocations for multiple dimensional heterogeneous memories using dynamic programming in big data. <i>Journal of Computational Science</i> , <b>2018</b> , 26, 402-408	3.4	3
80	Proactive user-centric secure data scheme using attribute-based semantic access controls for mobile clouds in financial industry. <i>Future Generation Computer Systems</i> , <b>2018</b> , 80, 421-429	7.5	83
79	Resource Management in Sustainable Cyber-Physical Systems Using Heterogeneous Cloud Computing. <i>IEEE Transactions on Sustainable Computing</i> , <b>2018</b> , 3, 60-72	3.5	72
78	Cloud-Based Adaptive Particle Swarm Optimization for Waveband Selection in Big Data. <i>Journal of Signal Processing Systems</i> , <b>2018</b> , 90, 1105-1113	1.4	3
77	A survey on FinTech. <i>Journal of Network and Computer Applications</i> , <b>2018</b> , 103, 262-273	7.9	162
76	Privacy-preserving wireless communications using bipartite matching in social big data. <i>Future Generation Computer Systems</i> , <b>2018</b> , 87, 772-781	7.5	43
75	Energy-aware task assignment for mobile cyber-enabled applications in heterogeneous cloud computing. <i>Journal of Parallel and Distributed Computing</i> , <b>2018</b> , 111, 126-135	4.4	129
74	Privacy-Aware Efficient Fine-Grained Data Access Control in Internet of Medical Things Based Fog Computing. <i>IEEE Access</i> , <b>2018</b> , 6, 47657-47665	3.5	28
73	An Approach of Fog Detecting Magnitude Using Referenceless Perceptual Image Defogging <b>2018</b> ,		1
72	Reinforcement Learning-based Content-Centric Services in Mobile Sensing. <i>IEEE Network</i> , <b>2018</b> , 32, 34-39	1.4	101
71	Empirical Study of Data Allocation in Heterogeneous Memory. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 385-395	0.9	

70	Smart Resource Allocation Using Reinforcement Learning in Content-Centric Cyber-Physical Systems. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 39-52	0.9	3
69	<b>2018</b> ,		1
68	Privacy-Preserving Access Control Using Dynamic Programming in Fog Computing <b>2018</b> ,		3
67	An Improved Consensus Mechanism for Blockchain. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 129-138	0.9	3
66	A New Sustainable Interchain Design on Transport Layer for Blockchain. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 12-21	0.9	3
65	Blockchain-Enabled Reengineering of Cloud Datacenters. <i>IEEE Cloud Computing</i> , <b>2018</b> , 5, 21-25		38
64	. <i>IEEE Access</i> , <b>2018</b> , 6, 58395-58404	3.5	6
63	Privacy-Preserving Data Synchronization Using Tensor-Based Fully Homomorphic Encryption <b>2018</b> ,		4
62	Optimal resource allocation using reinforcement learning for IoT content-centric services. <i>Applied Soft Computing Journal</i> , <b>2018</b> , 70, 12-21	7.5	76
61	Ontology-Based Personalized Telehealth Scheme in Cloud Computing. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 49-64	0.9	
60	Static Node Center Opportunistic Coverage and Hexagonal Deployment in Hybrid Crowd Sensing. <i>Journal of Signal Processing Systems</i> , <b>2017</b> , 86, 251-267	1.4	5
59	Secure cyber incident analytics framework using Monte Carlo simulations for financial cybersecurity insurance in cloud computing. <i>Concurrency Computation Practice and Experience</i> , <b>2017</b> , 29, e3856	1.4	11
58	A novel social network access control model using logical authorization language in cloud computing. <i>Concurrency Computation Practice and Experience</i> , <b>2017</b> , 29, e3893	1.4	5
57	SA-EAST. <i>Transactions on Embedded Computing Systems</i> , <b>2017</b> , 16, 1-22	1.8	64
56	Spoofing-Jamming Attack Strategy Using Optimal Power Distributions in Wireless Smart Grid Networks. <i>IEEE Transactions on Smart Grid</i> , <b>2017</b> , 8, 2431-2439	10.7	122
55	Privacy-Preserving Data Encryption Strategy for Big Data in Mobile Cloud Computing. <i>IEEE Transactions on Big Data</i> , <b>2017</b> , 1-1	3.2	48
54	Security and Privacy Issues: A Survey on FinTech. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 236-247	0.9	34
53	Brain-Based Computer Interfaces in Virtual Reality <b>2017</b> ,		9

52	Waveband Selection Based Feature Extraction Using Genetic Algorithm <b>2017</b> ,		1
51	Advanced Fully Homomorphic Encryption Scheme Over Real Numbers <b>2017</b> ,		16
50	An Optimal Fully Homomorphic Encryption Scheme <b>2017</b> ,		10
49	Adaptive human detection approach using FPGA-based parallel architecture in reconfigurable hardware. <i>Concurrency Computation Practice and Experience</i> , <b>2017</b> , 29, e3923	1.4	2
48	Intelligent cryptography approach for secure distributed big data storage in cloud computing. <i>Information Sciences</i> , <b>2017</b> , 387, 103-115	7.7	118
47	Cost Reduction for Data Allocation in Heterogenous Cloud Computing Using Dynamic Programming. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 1-11	0.9	
46	Dynamic energy-aware cloudlet-based mobile cloud computing model for green computing. <i>Journal of Network and Computer Applications</i> , <b>2016</b> , 59, 46-54	7.9	348
45	Understanding Taxonomy of Cyber Risks for Cybersecurity Insurance of Financial Industry in Cloud Computing <b>2016</b> ,		12
44	Privacy-Aware Adaptive Data Encryption Strategy of Big Data in Cloud Computing <b>2016</b> ,		38
43	A Classification Algorithm Based on Ensemble Feature Selections for Imbalanced-Class Dataset <b>2016</b> ,		27
42	Powering Filtration Process of Cyber Security Ecosystem Using Knowledge Graph <b>2016</b> ,		9
41	Reducing Complexity of Diagnostic Message Pattern Specification and Recognition on In-Bound Data Using Semantic Techniques <b>2016</b> ,		1
40	Energy-Aware Optimal Task Assignment for Mobile Heterogeneous Embedded Systems in Cloud Computing <b>2016</b> ,		19
39	RuleSN: Research and Application of Social Network Access Control Model <b>2016</b> ,		11
38	Improving Data Governance in Large Organizations through Ontology and Linked Data <b>2016</b> ,		21
37	Intrusion detection techniques for mobile cloud computing in heterogeneous 5G. <i>Security and Communication Networks</i> , <b>2016</b> , 9, 3049-3058	1.9	102
36	A novel pre-cache schema for high performance Android system. <i>Future Generation Computer Systems</i> , <b>2016</b> , 56, 766-772	7.5	43
35	Security-Aware Information Classifications Using Supervised Learning for Cloud-Based Cyber Risk Management in Financial Big Data <b>2016</b> ,		18

34	Data transfer minimization for financial derivative pricing using Monte Carlo simulation with GPU in 5G. <i>International Journal of Communication Systems</i> , <b>2016</b> , 29, 2364-2374	1.7	47
33	Security-Aware Efficient Mass Distributed Storage Approach for Cloud Systems in Big Data <b>2016</b> ,		60
32	Information Security Policy for E-Commerce in Saudi Arabia <b>2016</b> ,		2
31	A Novel Secure Big Data Cyber Incident Analytics Framework for Cloud-Based Cybersecurity Insurance <b>2016</b> ,		60
30	Smart data deduplication for telehealth systems in heterogeneous cloud computing. <i>Journal of Communications and Information Networks</i> , <b>2016</b> , 1, 93-104		2
29	Optimal Big Data Sharing Approach for Tele-Health in Cloud Computing <b>2016</b> ,		42
28	Drug Side Effects Data Representation and Full Spectrum Inferencing Using Knowledge Graphs in Intelligent Telehealth <b>2016</b> ,		3
27	<b>2016</b> ,		8
26	Privacy-Preserving Adaptive Multi-channel Communications Under Timing Constraints <b>2016</b> ,		9
25	Intercrossed Access Controls for Secure Financial Services on Multimedia Big Data in Cloud Systems. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , <b>2016</b> , 12, 1-18	3.4	41
24	A Semantic Approach to Intelligent and Personal Tutoring System <b>2016</b> ,		2
23	Cyber Incident Classifications Using Ontology-Based Knowledge Representation for Cybersecurity Insurance in Financial Industry <b>2016</b> ,		15
22	Phase-Change Memory Optimization for Green Cloud with Genetic Algorithm. <i>IEEE Transactions on Computers</i> , <b>2015</b> , 64, 3528-3540	2.5	243
21	A Reusable Software Component for Integrated Syntax and Semantic Validation for Services Computing <b>2015</b> ,		49
20	Novel Differential Schema for High Performance Big Data Telehealth Systems Using Pre-cache <b>2015</b> ,		4
19	Adaptive Resource Allocation Optimization in Heterogeneous Mobile Cloud Systems <b>2015</b> ,		18
18	Research on Campus Mobile Model Based on Periodic Purpose for Opportunistic Network <b>2015</b> ,		5
17	Internet-Based Anti-Counterfeiting Pattern with Using Big Data in China <b>2015</b> ,		13



16	Understanding Model Risk Management -- Model Rationalization in Financial Industry <b>2015,</b>	5
15	Anti-Counterfeit Scheme Using Monte Carlo Simulation for E-commerce in Cloud Systems <b>2015,</b>	14
14	Electronic Health Record Error Prevention Approach Using Ontology in Big Data <b>2015,</b>	45
13	An Empirical Study on Preprocessing High-Dimensional Class-Imbalanced Data for Classification <b>2015,</b>	44
12	Meta Meta-Analytics for Risk Forecast Using Big Data Meta-Regression in Financial Industry <b>2015,</b>	7
11	An Investigation on Cyber Security Threats and Security Models <b>2015,</b>	45
10	Model Risk Management Systems-Back-End, Middleware, Front-End and Analytics <b>2015,</b>	6
9	Analysis on Urban Collective Call Behavior to Earthquake <b>2015,</b>	5
8	Proactive Attribute-based Secure Data Schema for Mobile Cloud in Financial Industry <b>2015,</b>	46
7	City of White Plains Parking App: Case Study of a Smart City Web Application <b>2015,</b>	1
6	Ontology-Based Knowledge Representation for Secure Self-Diagnosis in Patient-Centered Telehealth with Cloud Systems <b>2015,</b>	7
5	Maintainable Mobile Model Using Pre-Cache Technology for High Performance Android System <b>2015,</b>	7
4	Efficiency-Aware Workload Optimizations of Heterogeneous Cloud Computing for Capacity Planning in Financial Industry <b>2015,</b>	39
3	A Review of Leveraging Private Cloud Computing in Financial Service Institutions: Value Propositions and Current Performances. <i>International Journal of Computer Applications</i> , <b>2014</b> , 95, 40-44 <sup>1.1</sup>	12
2	Towards Cloud Computing: A Literature Review on Cloud Computing and Its Development Trends <b>2012,</b>	87
1	A Report about Suggestions on Developing E-learning in China <b>2010,</b>	4