Keke Gai

List of Publications by Citations

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	Dynamic energy-aware cloudlet-based mobile cloud computing model for green computing. *Journal of Network and Computer Applications*, **2016**, 59, 46-54	7.9	348
140	Phase-Change Memory Optimization for Green Cloud with Genetic Algorithm. *IEEE Transactions on Computers*, **2015**, 64, 3528-3540	2.5	243
139	Privacy-Preserving Energy Trading Using Consortium Blockchain in Smart Grid. *IEEE Transactions on Industrial Informatics*, **2019**, 15, 3548-3558	11.9	238
138	Permissioned Blockchain and Edge Computing Empowered Privacy-Preserving Smart Grid Networks. *IEEE Internet of Things Journal*, **2019**, 6, 7992-8004	10.7	163
137	A survey on FinTech. *Journal of Network and Computer Applications*, **2018**, 103, 262-273	7.9	162
136	Controllable and trustworthy blockchain-based cloud data management. *Future Generation Computer Systems*, **2019**, 91, 527-535	7.5	151
135	Energy-aware task assignment for mobile cyber-enabled applications in heterogeneous cloud computing. *Journal of Parallel and Distributed Computing*, **2018**, 111, 126-135	4.4	129
134	Spoofing-Jamming Attack Strategy Using Optimal Power Distributions in Wireless Smart Grid Networks. *IEEE Transactions on Smart Grid*, **2017**, 8, 2431-2439	10.7	122
133	Intelligent cryptography approach for secure distributed big data storage in cloud computing. *Information Sciences*, **2017**, 387, 103-115	7.7	118
132	Privacy-Preserving Content-Oriented Wireless Communication in Internet-of-Things. *IEEE Internet of Things Journal*, **2018**, 5, 3059-3067	10.7	103
131	Intrusion detection techniques for mobile cloud computing in heterogeneous 5G. *Security and Communication Networks*, **2016**, 9, 3049-3058	1.9	102
130	Reinforcement Learning-based Content-Centric Services in Mobile Sensing. *IEEE Network*, **2018**, 32, 34-39	11.4	101
129	Cost-Aware Multimedia Data Allocation for Heterogeneous Memory Using Genetic Algorithm in Cloud Computing. *IEEE Transactions on Cloud Computing*, **2020**, 8, 1212-1222	3.3	101
128	. *IEEE Transactions on Industrial Informatics*, **2018**, 14, 3590-3598	11.9	99
127	Towards Cloud Computing: A Literature Review on Cloud Computing and Its Development Trends **2012**,		87
126	. *IEEE Transactions on Industrial Informatics*, **2020**, 16, 4156-4165	11.9	87
125	Proactive user-centric secure data scheme using attribute-based semantic access controls for mobile clouds in financial industry. *Future Generation Computer Systems*, **2018**, 80, 421-429	7.5	83

124	. *IEEE Communications Surveys and Tutorials*, **2020**, 22, 2009-2030	37.1	80
123	Optimal resource allocation using reinforcement learning for IoT content-centric services. *Applied Soft Computing Journal*, **2018**, 70, 12-21	7.5	76
122	Resource Management in Sustainable Cyber-Physical Systems Using Heterogeneous Cloud Computing. *IEEE Transactions on Sustainable Computing*, **2018**, 3, 60-72	3.5	72
121	SA-EAST. *Transactions on Embedded Computing Systems*, **2017**, 16, 1-22	1.8	64
120	Privacy-preserving multi-channel communication in Edge-of-Things. *Future Generation Computer Systems*, **2018**, 85, 190-200	7.5	60
119	Security-Aware Efficient Mass Distributed Storage Approach for Cloud Systems in Big Data **2016**,		60
118	A Novel Secure Big Data Cyber Incident Analytics Framework for Cloud-Based Cybersecurity Insurance **2016**,		60
117	A Reusable Software Component for Integrated Syntax and Semantic Validation for Services Computing **2015**,		49
116	Privacy-Preserving Data Encryption Strategy for Big Data in Mobile Cloud Computing. *IEEE Transactions on Big Data*, **2017**, 1-1	3.2	48
115	Data transfer minimization for financial derivative pricing using Monte Carlo simulation with GPU in 5G. *International Journal of Communication Systems*, **2016**, 29, 2364-2374	1.7	47
114	Proactive Attribute-based Secure Data Schema for Mobile Cloud in Financial Industry **2015**,		46
113	Electronic Health Record Error Prevention Approach Using Ontology in Big Data **2015**,		45
112	An Investigation on Cyber Security Threats and Security Models **2015**,		45
111	An Empirical Study on Preprocessing High-Dimensional Class-Imbalanced Data for Classification **2015**,		44
110	Privacy-preserving wireless communications using bipartite matching in social big data. *Future Generation Computer Systems*, **2018**, 87, 772-781	7.5	43
109	A novel pre-cache schema for high performance Android system. *Future Generation Computer Systems*, **2016**, 56, 766-772	7.5	43
108	Optimal Big Data Sharing Approach for Tele-Health in Cloud Computing **2016**,		42
107	Intercrossed Access Controls for Secure Financial Services on Multimedia Big Data in Cloud Systems. *ACM Transactions on Multimedia Computing, Communications and Applications*, **2016**, 12, 1-18	3.4	41

#	Title		
106	Efficiency-Aware Workload Optimizations of Heterogeneous Cloud Computing for Capacity Planning in Financial Industry **2015**,		39
105	Privacy-Aware Adaptive Data Encryption Strategy of Big Data in Cloud Computing **2016**,		38
104	Blockchain-Enabled Reengineering of Cloud Datacenters. *IEEE Cloud Computing*, **2018**, 5, 21-25		38
103	Security and Privacy Issues: A Survey on FinTech. *Lecture Notes in Computer Science*, **2017**, 236-247	0.9	34
102	Toward Smart Treatment Management for Personalized Healthcare. *IEEE Network*, **2019**, 33, 30-36	11.4	34
101	Privacy-Aware Efficient Fine-Grained Data Access Control in Internet of Medical Things Based Fog Computing. *IEEE Access*, **2018**, 6, 47657-47665	3.5	28
100	A Classification Algorithm Based on Ensemble Feature Selections for Imbalanced-Class Dataset **2016**,		27
99	Fusion of Cognitive Wireless Networks and Edge Computing. *IEEE Wireless Communications*, **2019**, 26, 69-75	13.4	25
98	Improving Data Governance in Large Organizations through Ontology and Linked Data **2016**,		21
97	Energy-Aware Optimal Task Assignment for Mobile Heterogeneous Embedded Systems in Cloud Computing **2016**,		19
96	Adaptive Resource Allocation Optimization in Heterogeneous Mobile Cloud Systems **2015**,		18
95	Security-Aware Information Classifications Using Supervised Learning for Cloud-Based Cyber Risk Management in Financial Big Data **2016**,		18
94	Achieving a Covert Channel over an Open Blockchain Network. *IEEE Network*, **2020**, 34, 6-13	11.4	17
93	Advanced Fully Homomorphic Encryption Scheme Over Real Numbers **2017**,		16
92	Blockchain-Enabled Trustworthy Group Communications in UAV Networks. *IEEE Transactions on Intelligent Transportation Systems*, **2021**, 22, 4118-4130	6.1	16
91	Zero-to-Stable Driver Identification: A Non-Intrusive and Scalable Driver Identification Scheme. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 163-171	6.8	15
90	Cyber Incident Classifications Using Ontology-Based Knowledge Representation for Cybersecurity Insurance in Financial Industry **2016**,		15
89	In-memory big data analytics under space constraints using dynamic programming. *Future Generation Computer Systems*, **2018**, 83, 219-227	7.5	14

70	Blockchain-enabled Data Provenance in Cloud Datacenter Reengineering **2019**,		7
69	Meta Meta-Analytics for Risk Forecast Using Big Data Meta-Regression in Financial Industry **2015**,		7
68	Ontology-Based Knowledge Representation for Secure Self-Diagnosis in Patient-Centered Teleheath with Cloud Systems **2015**,		7
67	Maintainable Mobile Model Using Pre-Cache Technology for High Performance Android System **2015**,		7
66	Model Risk Management Systems-Back-End, Middleware, Front-End and Analytics **2015**,		6
65	*. IEEE Access*, **2018**, 6, 58395-58404	3.5	6
64	Static Node Center Opportunistic Coverage and Hexagonal Deployment in Hybrid Crowd Sensing. *Journal of Signal Processing Systems*, **2017**, 86, 251-267	1.4	5
63	A novel social network access control model using logical authorization language in cloud computing. *Concurrency Computation Practice and Experience*, **2017**, 29, e3893	1.4	5
62	Research on Campus Mobile Model Based on Periodic Purpose for Opportunistic Network **2015**,		5
61	Understanding Model Risk Management -- Model Rationalization in Financial Industry **2015**,		5
60	Analysis on Urban Collective Call Behavior to Earthquake **2015**,		5
59	Edge Computing and Lightning Network Empowered Secure Food Supply Management. *IEEE Internet of Things Journal*, **2020**, 1-1	10.7	5
58	A Framework for Mimic Defense System in Cyberspace. *Journal of Signal Processing Systems*, **2021**, 93, 169-185	1.4	5
57	An Approach of Secure Two-Way-Pegged Multi-sidechain. *Lecture Notes in Computer Science*, **2020**, 551-564	0.9	5
56	Novel Differential Schema for High Performance Big Data Telehealth Systems Using Pre-cache **2015**,		4
55	A Report about Suggestions on Developing E-learning in China **2010**,		4
54	BESIFL: Blockchain Empowered Secure and Incentive Federated Learning Paradigm in IoT. *IEEE Internet of Things Journal*, **2021**, 1-1	10.7	4
53	Understanding Privacy-Preserving Techniques in Digital Cryptocurrencies. *Lecture Notes in Computer Science*, **2020**, 3-18	0.9	4

52	Machine Learning Empowered Content Delivery: Status, Challenges, and Opportunities. *IEEE Network*, **2020**, 34, 228-234	11.4	4
51	Privacy-Preserving Data Synchronization Using Tensor-Based Fully Homomorphic Encryption **2018**,		4
50	A machine learning based golden-free detection method for command-activated hardware Trojan. *Information Sciences*, **2020**, 540, 292-307	7.7	3
49	Cost-aware optimal data allocations for multiple dimensional heterogeneous memories using dynamic programming in big data. *Journal of Computational Science*, **2018**, 26, 402-408	3.4	3
48	Cloud-Based Adaptive Particle Swarm Optimization for Waveband Selection in Big Data. *Journal of Signal Processing Systems*, **2018**, 90, 1105-1113	1.4	3
47	A New Complex Network Robustness Attack Algorithm **2019**,		3
46	Blockchain and Internet of Things **2019**, 9-28		3
45	Reputation-Based Trustworthy Supply Chain Management Using Smart Contract. *Lecture Notes in Computer Science*, **2020**, 35-49	0.9	3
44	Blockchain Meets DAG: A BlockDAG Consensus Mechanism. *Lecture Notes in Computer Science*, **2020**, 110-125	0.9	3
43	Smart Resource Allocation Using Reinforcement Learning in Content-Centric Cyber-Physical Systems. *Lecture Notes in Computer Science*, **2018**, 39-52	0.9	3
42	ChainIDE 2.0: Facilitating Smart Contract Development for Consortium Blockchain **2020**,		3
41	Drug Side Effects Data Representation and Full Spectrum Inferencing Using Knowledge Graphs in Intelligent Telehealth **2016**,		3
40	Blockchain-Based Privacy-Preserving Medical Data Sharing Scheme Using Federated Learning. *Lecture Notes in Computer Science*, **2021**, 634-646	0.9	3
39	SearchBC: A Blockchain-Based PEKS Framework for IoT Services. *IEEE Internet of Things Journal*, **2021**, 8, 5031-5044	10.7	3
38	Privacy-Preserving Access Control Using Dynamic Programming in Fog Computing **2018**,		3
37	An Improved Consensus Mechanism for Blockchain. *Lecture Notes in Computer Science*, **2018**, 129-138	0.9	3
36	A New Sustainable Interchain Design on Transport Layer for Blockchain. *Lecture Notes in Computer Science*, **2018**, 12-21	0.9	3
35	Adaptive human detection approach using FPGA-based parallel architecture in reconfigurable hardware. *Concurrency Computation Practice and Experience*, **2017**, 29, e3923	1.4	2

34	LNBFSM: A Food Safety Management System Using Blockchain and Lightning Network. *Lecture Notes in Computer Science*, **2020**, 19-34	0.9	2
33	Information Security Policy for E-Commerce in Saudi Arabia **2016**,		2
32	Smart data deduplication for telehealth systems in heterogeneous cloud computing. *Journal of Communications and Information Networks*, **2016**, 1, 93-104		2
31	A Semantic Approach to Intelligent and Personal Tutoring System **2016**,		2
30	Location-based Privacy-preserving Techniques in Connected Environment: A Survey **2019**,		2
29	Optimal solution to intelligent multi-channel wireless communications using dynamic programming. *Journal of Supercomputing*, **2019**, 75, 1894-1908	2.5	2
28	Cross-Chain-Based Decentralized Identity for Mortgage Loans. *Lecture Notes in Computer Science*, **2021**, 619-633	0.9	2
27	Reducing Complexity of Diagnostic Message Pattern Specification and Recognition on In-Bound Data Using Semantic Techniques **2016**,		1
26	An Approach of Fog Detecting Magnitude Using Referenceless Perceptual Image Defogging **2018**,		1
25	Content-centric Caching Using Deep Reinforcement Learning in Mobile Computing **2019**,		1
24	Blockchain Technology in Internet of Things **2019**,		1
23	Exploring Topics in Blockchain-Enabled Internet of Things **2019**, 109-114		1
22	Waveband Selection Based Feature Extraction Using Genetic Algorithm **2017**,		1
21	City of White Plains Parking App: Case Study of a Smart City Web Application **2015**,		1
20	Efficiency Issues and Solutions in Blockchain: A Survey. *Lecture Notes in Computer Science*, **2019**, 76-86	0.9	1
19	Consensus in Lens of Consortium Blockchain: An Empirical Study. *Lecture Notes in Computer Science*, **2020**, 282-296	0.9	1
18	Modelization and analysis of dynamic heterogeneous redundant system. *Concurrency Computation Practice and Experience*, **2020**, e6035	1.4	1
17	WiPOS: A POS Terminal Password Inference System Based on Wireless Signals. *IEEE Internet of Things Journal*, **2020**, 7, 7506-7516	10.7	1

LIST OF PUBLICATIONS

16	BS-KGS: Blockchain Sharding Empowered Knowledge Graph Storage. *Lecture Notes in Computer Science*, **2021**, 451-462	0.9	1
15	**2018**,		1
14	A Privacy-Preserving Auditable Approach Using Threshold Tag-Based Encryption in Consortium Blockchain. *Lecture Notes in Computer Science*, **2022**, 265-275	0.9	1
13	A Multiple Sieve Approach Based on Artificial Intelligent Techniques and Correlation Power Analysis. *ACM Transactions on Multimedia Computing, Communications and Applications*, **2021**, 17, 1-21	3.4	0
12	Time-Efficient Ensemble Learning with Sample Exchange for Edge Computing. *ACM Transactions on Internet Technology*, **2021**, 21, 1-17	3.8	0
11	Attacking the Edge-of-Things: A Physical Attack Perspective. *IEEE Internet of Things Journal*, **2021**, 1-1	10.7	0
10	Blockchain-as-a-Service Powered Knowledge Graph Construction. *Lecture Notes in Computer Science*, **2021**, 500-511	0.9	0
9	GAN-Enabled Code Embedding for Reentrant Vulnerabilities Detection. *Lecture Notes in Computer Science*, **2021**, 585-597	0.9	0
8	Blockchain-Enabled Cloud Data Preservation Services **2019**, 43-52		
7	Security and Privacy Issues in Internet of Things **2019**, 29-40		
6	Blockchain-Enabled Controllable Data Management **2019**, 53-64		
5	Empirical Study of Data Allocation in Heterogeneous Memory. *Lecture Notes in Computer Science*, **2018**, 385-395	0.9	
4	An Improved Algorithm for Recruitment Text Categorization. *Communications in Computer and Information Science*, **2019**, 335-348	0.3	
3	Cost Reduction for Data Allocation in Heterogenous Cloud Computing Using Dynamic Programming. *Lecture Notes in Computer Science*, **2017**, 1-11	0.9	
2	An Edge Trajectory Protection Approach Using Blockchain. *Lecture Notes in Computer Science*, **2021**, 647-658	0.9	
1	Ontology-Based Personalized Telehealth Scheme in Cloud Computing. *Lecture Notes in Computer Science*, **2018**, 49-64	0.9	