Lianyong

List of Publications by Year
in descending order

121 papers	5,586 citations	61984 43 h-index	91884 69 g-index
121 all docs	121 docs citations	121 times ranked	2884 citing authors

#	Article	IF	Citations
1	A label noise filtering and label missing supplement framework based on game theory. Digital Communications and Networks, 2023, 9, 887-895.	5.0	5
2	Privacy-Aware Traffic Flow Prediction Based on Multi-Party Sensor Data with Zero Trust in Smart City. ACM Transactions on Internet Technology, 2023, 23, 1-19.	4.4	51
3	Popularity-Aware and Diverse Web APIs Recommendation Based on Correlation Graph. IEEE Transactions on Computational Social Systems, 2023, 10, 771-782.	4.4	50
4	Reputation-Aware Supplier Assessment for Blockchain-Enabled Supply Chain in Industry 4.0. IEEE Transactions on Industrial Informatics, 2023, 19, 5485-5494.	11.3	39
5	MRMondrian: Scalable Multidimensional Anonymisation for Big Data Privacy Preservation. IEEE Transactions on Big Data, 2022, 8, 125-139.	6.1	21
6	Resource management for meteorological service in cloud–edge computing: A survey. Transactions on Emerging Telecommunications Technologies, 2022, 33, e3844.	3.9	2
7	Amplified locality–sensitive hashing–based recommender systems with privacy protection. Concurrency Computation Practice and Experience, 2022, 34, e5681.	2.2	54
8	Data-Driven Web APIs Recommendation for Building Web Applications. IEEE Transactions on Big Data, 2022, 8, 685-698.	6.1	69
9	Digital Twin-Assisted Real-Time Traffic Data Prediction Method for 5G-Enabled Internet of Vehicles. IEEE Transactions on Industrial Informatics, 2022, 18, 2811-2819.	11.3	86
10	Coverless Information Hiding Based on Probability Graph Learning for Secure Communication in IoT Environment. IEEE Internet of Things Journal, 2022, 9, 9332-9341.	8.7	14
11	Robust Collaborative Filtering Recommendation With User-Item-Trust Records. IEEE Transactions on Computational Social Systems, 2022, 9, 986-996.	4.4	100
12	A long short–term memory–based model for greenhouse climate prediction. International Journal of Intelligent Systems, 2022, 37, 135-151.	5.7	102
13	LSH-aware multitype health data prediction with privacy preservation in edge environment. World Wide Web, 2022, 25, 1793-1808.	4.0	71
14	Bidirectional GRU networks–based next POI category prediction for healthcare. International Journal of Intelligent Systems, 2022, 37, 4020-4040.	5.7	69
15	Reliability-Enhanced Task Offloading in Mobile Edge Computing Environments. IEEE Internet of Things Journal, 2022, 9, 10382-10396.	8.7	19
16	Quantified Edge Server Placement With Quantum Encoding in Internet of Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 9370-9379.	8.0	7
17	Edge-cloud-enabled matrix factorization for diversified APIs recommendation in mashup creation. World Wide Web, 2022, 25, 1809-1829.	4.0	35
18	CSEdge: Enabling Collaborative Edge Storage for Multi-Access Edge Computing Based on Blockchain. IEEE Transactions on Parallel and Distributed Systems, 2022, 33, 1873-1887.	5.6	55

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19	Time-Aware Missing Traffic Flow Prediction for Sensors with Privacy-Preservation. Lecture Notes in Electrical Engineering, 2022, , 721-730.	0.4	3
20	Fast Anomaly Identification Based on Multiaspect Data Streams for Intelligent Intrusion Detection Toward Secure Industry 4.0. IEEE Transactions on Industrial Informatics, 2022, 18, 6503-6511.	11.3	92
21	Privacy-Aware Factorization-Based Hybrid Recommendation Method for Healthcare Services. IEEE Transactions on Industrial Informatics, 2022, 18, 5637-5647.	11.3	16
22	Call for Special Issue Papers: Big Data Analytics in Industrial Intelligence. Big Data, 2022, 10, 87-88.	3.4	0
23	DisCOV: Distributed COVID-19 Detection on X-Ray Images With Edge-Cloud Collaboration. IEEE Transactions on Services Computing, 2022, 15, 1206-1219.	4.6	71
24	CroApp: A CNN-Based Resource Optimization Approach in Edge Computing Environment. IEEE Transactions on Industrial Informatics, 2022, 18, 6300-6307.	11.3	23
25	Game Theory for Distributed IoV Task Offloading With Fuzzy Neural Network in Edge Computing. IEEE Transactions on Fuzzy Systems, 2022, 30, 4593-4604.	9.8	69
26	A blockchainâ€•and artificial intelligenceâ€•enabled smart IoT framework for sustainable city. International Journal of Intelligent Systems, 2022, 37, 6493-6507.	5.7	52
27	A Correlation Graph based Approach for Personalized and Compatible Web APIs Recommendation in Mobile APP Development. IEEE Transactions on Knowledge and Data Engineering, 2022, , 1-1.	5.7	88
28	Intrusion Detection for Maritime Transportation Systems With Batch Federated Aggregation. IEEE Transactions on Intelligent Transportation Systems, 2022, , 1-12.	8.0	11
29	Privacy-Aware Point-of-Interest Category Recommendation in Internet of Things. IEEE Internet of Things Journal, 2022, 9, 21398-21408.	8.7	42
30	A blockchainâ€•based computation offloading method for edge computing in 5G networks. Software - Practice and Experience, 2021, 51, 2015-2032.	3.6	45
31	Keywordsâ€•driven web APIs group recommendation for automatic app service creation process. Software - Practice and Experience, 2021, 51, 2337-2354.	3.6	12
32	Diversified and Scalable Service Recommendation With Accuracy Guarantee. IEEE Transactions on Computational Social Systems, 2021, 8, 1182-1193.	4.4	33
33	Privacy-Aware Cross-Platform Service Recommendation Based on Enhanced Locality-Sensitive Hashing. IEEE Transactions on Network Science and Engineering, 2021, 8, 1145-1153.	6.4	98
34	Adaptive Computation Offloading With Edge for 5G-Envisioned Internet of Connected Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 5213-5222.	8.0	101
35	Edge Server Quantification and Placement for Offloading Social Media Services in Industrial Cognitive IoV. IEEE Transactions on Industrial Informatics, 2021, 17, 2910-2918.	11.3	107
36	Security-Aware Dynamic Scheduling for Real-Time Optimization in Cloud-Based Industrial Applications. IEEE Transactions on Industrial Informatics, 2021, 17, 4219-4228.	11.3	42

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37	A WiFiâ€aware method for mobile data offloading with deadline constraints. Concurrency Computation Practice and Experience, 2021, 33, 1-1.	2.2	2
38	Enhancing the Performance of Flow Classification in SDN-Based Intelligent Vehicular Networks. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 4141-4150.	8.0	26
39	A Sensory Similarities Approach to Load Disaggregation of Charging Stations in Internet of Electric Vehicles. IEEE Sensors Journal, 2021, 21, 15895-15903.	4.7	6
40	Building trust/distrust relationships on signed social service network through privacy-aware link prediction process. Applied Soft Computing Journal, 2021, 100, 106942.	7.2	61
41	A fully connected deep learning approach to upper limb gesture recognition in a secure FES rehabilitation environment. International Journal of Intelligent Systems, 2021, 36, 2387-2411.	5.7	9
42	An attentionâ€based categoryâ€aware GRU model for the next POI recommendation. International Journal of Intelligent Systems, 2021, 36, 3174-3189.	5.7	98
43	Compatibility-Aware Web API Recommendation for Mashup Creation via Textual Description Mining. ACM Transactions on Multimedia Computing, Communications and Applications, 2021, 17, 1-19.	4.3	48
44	Cognitive Analytics of Social Media Services for Edge Resource Pre-Allocation in Industrial Manufacturing. IEEE Transactions on Computational Social Systems, 2021, 8, 500-511.	4.4	6
45	6G-Enabled Short-Term Forecasting for Large-Scale Traffic Flow in Massive IoT Based on Time-Aware Locality-Sensitive Hashing. IEEE Internet of Things Journal, 2021, 8, 5321-5331.	8.7	32
46	RAOA: A Relay-assisted Offloading Approach in Edge Computing Environment. , 2021, , .		1
47	Epilepsy Diagnosis Using Multi-view & Multi-medoid Entropy-based Clustering with Privacy Protection. ACM Transactions on Internet Technology, 2021, 21, 1-21.	4.4	21
48	TripRes. ACM Transactions on Multimedia Computing, Communications and Applications, 2021, 17, 1-21.	4.3	65
49	Secure Service Offloading for Internet of Vehicles in SDN-Enabled Mobile Edge Computing. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 3720-3729.	8.0	70
50	Point-of-Interest Recommendation with Userâ€™s Privacy Preserving in an IoT Environment. Mobile Networks and Applications, 2021, 26, 2445-2460.	3.3	9
51	Edge Content Caching with Deep Spatiotemporal Residual Network for IoV in Smart City. ACM Transactions on Sensor Networks, 2021, 17, 1-33.	3.6	86
52	Game Theory-Based Task Offloading and Resource Allocation for Vehicular Networks in Edge-Cloud Computing. , 2021, , .		6
53	GoDeep: Intelligent IoV Service Deployment and Execution with Privacy Preservation in Cloud-edge Computing. , 2021, , .		5
54	An Information Extraction Method for Sedimentology Literature with Semantic Rules. , 2021, , .		0

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55	Private Estimation of Symptom Distribution for Infectious Disease Analysis in Edge Computing. , 2021, , .		1
56	CoPace: Edge Computation Offloading and Caching for Self-Driving With Deep Reinforcement Learning. IEEE Transactions on Vehicular Technology, 2021, 70, 13281-13293.	6.3	30
57	Cooperative Task Offloading for Internet of Vehicles in Cloud-edge Computing. , 2021, , .		1
58	A QoS-aware virtual machine scheduling method for energy conservation in cloud-based cyber-physical systems. World Wide Web, 2020, 23, 1275-1297.	4.0	141
59	Energy-Efficient Virtual Machine Scheduling across Cloudlets in Wireless Metropolitan Area Networks. Mobile Networks and Applications, 2020, 25, 442-456.	3.3	8
60	Joint Optimization of Offloading Utility and Privacy for Edge Computing Enabled IoT. IEEE Internet of Things Journal, 2020, 7, 2622-2629.	8.7	129
61	Deep learning for real-time image steganalysis: a survey. Journal of Real-Time Image Processing, 2020, 17, 149-160.	3.5	21
62	Computation offloading for multimedia workflows with deadline constraints in cloudlet-based mobile cloud. Wireless Networks, 2020, 26, 5535-5549.	3.0	6
63	Blockchain-based cloudlet management for multimedia workflow in mobile cloud computing. Multimedia Tools and Applications, 2020, 79, 9819-9844.	3.9	30
64	BeCome: Blockchain-Enabled Computation Offloading for IoT in Mobile Edge Computing. IEEE Transactions on Industrial Informatics, 2020, 16, 4187-4195.	11.3	222
65	Multi-objective computation offloading for Internet of Vehicles in cloud-edge computing. Wireless Networks, 2020, 26, 1611-1629.	3.0	54
66	LMM: latency-aware micro-service mashup in mobile edge computing environment. Neural Computing and Applications, 2020, 32, 15411-15425.	5.6	45
67	Deep Learning Models for Real-time Human Activity Recognition with Smartphones. Mobile Networks and Applications, 2020, 25, 743-755.	3.3	336
68	Privacy-Enhanced Data Collection Based on Deep Learning for Internet of Vehicles. IEEE Transactions on Industrial Informatics, 2020, 16, 6663-6672.	11.3	84
69	Trust-Oriented IoT Service Placement for Smart Cities in Edge Computing. IEEE Internet of Things Journal, 2020, 7, 4084-4091.	8.7	97
70	A secure edge monitoring approach to unsupervised energy disaggregation using mean shift algorithm in residential buildings. Computer Communications, 2020, 162, 187-195.	5.1	10
71	Locally private frequency estimation of physical symptoms for infectious disease analysis in Internet of Medical Things. Computer Communications, 2020, 162, 139-151.	5.1	19
72	Multi-Source Medical Data Integration and Mining for Healthcare Services. IEEE Access, 2020, 8, 165010-165017.	4.2	9

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73	Service Recommendation with High Accuracy and Diversity. Wireless Communications and Mobile Computing, 2020, 2020, 1-10.	1.2	6
74	Complementing IoT Services Through Software Defined Networking and Edge Computing: A Comprehensive Survey. IEEE Communications Surveys and Tutorials, 2020, 22, 1761-1804.	39.4	208
75	Keywords-Driven and Popularity-Aware Paper Recommendation Based on Undirected Paper Citation Graph. Complexity, 2020, 2020, 1-15.	1.6	33
76	Intelligent Offloading for Collaborative Smart City Services in Edge Computing. IEEE Internet of Things Journal, 2020, 7, 7919-7927.	8.7	79
77	Joint Task Scheduling and Energy Management for Heterogeneous Mobile Edge Computing With Hybrid Energy Supply. IEEE Internet of Things Journal, 2020, 7, 8419-8429.	8.7	39
78	Walrasian Equilibrium-Based Multiobjective Optimization for Task Allocation in Mobile Crowdsourcing. IEEE Transactions on Computational Social Systems, 2020, 7, 1033-1046.	4.4	62
79	Computational Intelligence Enabled Cybersecurity for the Internet of Things. IEEE Transactions on Emerging Topics in Computational Intelligence, 2020, 4, 666-674.	4.9	34
80	Privacy Protection Based on Stream Cipher for Spatiotemporal Data in IoT. IEEE Internet of Things Journal, 2020, 7, 7928-7940.	8.7	50
81	A Pricing Approach Toward Incentive Mechanisms for Participant Mobile Crowdsensing in Edge Computing. Mobile Networks and Applications, 2020, 25, 1220-1232.	3.3	9
82	Secure Information Transmissions in Wireless-Powered Cognitive Radio Networks for Internet of Medical Things. Security and Communication Networks, 2020, 2020, 1-10.	1.5	6
83	A Context-Aware Service Evaluation Approach over Big Data for Cloud Applications. IEEE Transactions on Cloud Computing, 2020, 8, 338-348.	4.4	37
84	An LSH-based Offloading Method for IoMT Services in Integrated Cloud-Edge Environment. ACM Transactions on Multimedia Computing, Communications and Applications, 2020, 16, 1-19.	4.3	24
85	Dynamic Task Offloading with Minority Game for Internet of Vehicles in Cloud-Edge Computing. , 2020, , .		9
86	Computation Offloading and Content Caching with Traffic Flow Prediction for Internet of Vehicles in Edge Computing. , 2020, , .		11
87	An Ensemble of Random Decision Trees with Personalized Privacy Preservation in Edge-Cloud Computing. , 2020, , .		2
88	A Computation Offloading Method for Edge Computing With Vehicle-to-Everything. IEEE Access, 2019, 7, 131068-131077.	4.2	52
89	Complex Attack Linkage Decision-Making in Edge Computing Networks. IEEE Access, 2019, 7, 12058-12072.	4.2	34
90	User attitudes and behaviors toward personalized control of privacy settings on smartphones. Concurrency Computation Practice and Experience, 2019, 31, e4884.	2.2	2

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91	Intrusion Detection and Prevention in Cloud, Fog, and Internet of Things. Security and Communication Networks, 2019, 2019, 1-4.	1.5	8
92	Deep CNN-Assisted Personalized Recommendation over Big Data for Mobile Wireless Networks. Wireless Communications and Mobile Computing, 2019, 2019, 1-16.	1.2	7
93	A Blockchain-Powered Crowdsourcing Method With Privacy Preservation in Mobile Environment. IEEE Transactions on Computational Social Systems, 2019, 6, 1407-1419.	4.4	116
94	Finding All You Need: Web APIs Recommendation in Web of Things Through Keywords Search. IEEE Transactions on Computational Social Systems, 2019, 6, 1063-1072.	4.4	129
95	Link prediction in paper citation network to construct paper correlation graph. Eurasip Journal on Wireless Communications and Networking, 2019, 2019, .	2.4	84
96	A Multi-Objective Crowdsourcing Method for Mobile Video Streaming. , 2019, , .		1
97	Joint Optimization of Energy Conservation and Migration Cost for Complex Systems in Edge Computing. Complexity, 2019, 2019, 1-14.	1.6	4
98	Multiobjective computation offloading for workflow management in cloudletâ€based mobile cloud using NSGAâ€Ⅱ. Computational Intelligence, 2019, 35, 476-495.	3.2	46
99	A two-stage locality-sensitive hashing based approach for privacy-preserving mobile service recommendation in cross-platform edge environment. Future Generation Computer Systems, 2018, 88, 636-643.	7.5	175
100	Hybrid computation offloading for smart home automation in mobile cloud computing. Personal and Ubiquitous Computing, 2018, 22, 121-134.	2.8	52
101	Load Aware Management of Cloudlets for a Wireless Area Metropolitan Network. , 2018, , .		2
102	Energy-Efficient Computation Offloading in Cloudlet-Based Mobile Cloud Using NSGA-II. , 2018, , .		1
103	A Workflow Scheduling Method for Cloudlet Management in Mobile Cloud. , 2018, , .		3
104	A Heuristic Virtual Machine Scheduling Method for Load Balancing in Fog-Cloud Computing. , 2018, , .		15
105	Collaborative Network Traffic Analysis via Alternating Direction Method of Multipliers. , 2018, , .		0
106	An IoT-Oriented Offloading Method with Privacy Preservation for Cloudlet-Enabled Wireless Metropolitan Area Networks. Sensors, 2018, 18, 3030.	3.8	18
107	Dynamic Mobile Crowdsourcing Selection for Electricity Load Forecasting. IEEE Access, 2018, 6, 46926-46937.	4.2	86
108	Privacy-Aware Multidimensional Mobile Service Quality Prediction and Recommendation in Distributed Fog Environment. Wireless Communications and Mobile Computing, 2018, 2018, 1-8.	1.2	122

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109	An Exception Handling Approach for Privacy-Preserving Service Recommendation Failure in a Cloud Environment. Sensors, 2018, 18, 2037.	3.8	46
110	"Time"-"Location"-"Frequency"-aware Internet of things service selection based on historical records. International Journal of Distributed Sensor Networks, 2017, 13, 155014771668869.	2.2	33
111	Privacy-Preserving Distributed Service Recommendation Based on Locality-Sensitive Hashing. , 2017, , .		27
112	A Distributed Locality-Sensitive Hashing-Based Approach for Cloud Service Recommendation From Multi-Source Data. IEEE Journal on Selected Areas in Communications, 2017, 35, 2616-2624.	14.0	177
113	An Invocation Cost Optimization Method for Web Services in Cloud Environment. Scientific Programming, 2017, 2017, 1-9.	0.7	18
114	Privacy-Preserving and Scalable Service Recommendation Based on SimHash in a Distributed Cloud Environment. Complexity, 2017, 2017, 1-9.	1.6	78
115	Weighted principal component analysis-based service selection method for multimedia services in cloud. Computing (Vienna/New York), 2016, 98, 195-214.	4.8	65
116	A Context-Aware Weighting Method for Historical Records in Web Service Evaluation. Journal of Computational and Theoretical Nanoscience, 2015, 12, 5310-5317.	0.4	1
117	A Evaluation Method for Web Service with Large Numbers of Historical Records. , 2014, , .		2
118	A Trust Evaluation Method for Cloud Service with Fluctuant QoS and Flexible SLA. , 2014, , .		14
119	A Multi-dimensional Weighting Method for Historical Records in Cloud Service Evaluation. , 2014, , .		2
120	A Selection Strategy Supporting Service Outsourcing in Cloud Platform. , 2012, , .		1
121	A QoS-aware exception handling method in scientific workflow execution. Concurrency Computation Practice and Experience, 2011, 23, 1951-1968.	2.2	8