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	Deep Learning Models for Real-time Human Activity Recognition with Smartphones. Mobile Networks and Applications, 2020, 25, 743-755.	3.3	336
2	BeCome: Blockchain-Enabled Computation Offloading for IoT in Mobile Edge Computing. IEEE Transactions on Industrial Informatics, 2020, 16, 4187-4195.	11.3	222
3	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
4	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
5	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
6	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
7	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
8	Joint Optimization of Offloading Utility and Privacy for Edge Computing Enabled IoT. IEEE Internet of Things Journal, 2020, 7, 2622-2629.	8.7	129
9	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
10	A Blockchain-Powered Crowdsourcing Method With Privacy Preservation in Mobile Environment. IEEE Transactions on Computational Social Systems, 2019, 6, 1407-1419.	4.4	116
11	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
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	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
14	Robust Collaborative Filtering Recommendation With User-Item-Trust Records. IEEE Transactions on Computational Social Systems, 2022, 9, 986-996.	4.4	100
15	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
16	An attention-based category-aware GRU model for the next POI recommendation. International Journal of Intelligent Systems, 2021, 36, 3174-3189.	5.7	98
17	Trust-Oriented IoT Service Placement for Smart Cities in Edge Computing. IEEE Internet of Things Journal, 2020, 7, 4084-4091.	8.7	97
18	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

#	Article	IF	Citations
19	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
20	Dynamic Mobile Crowdsourcing Selection for Electricity Load Forecasting. IEEE Access, 2018, 6, 46926-46937.	4.2	86
21	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
22	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
23	Link prediction in paper citation network to construct paper correlation graph. Eurasip Journal on Wireless Communications and Networking, 2019, 2019, .	2.4	84
24	Privacy-Enhanced Data Collection Based on Deep Learning for Internet of Vehicles. IEEE Transactions on Industrial Informatics, 2020, 16, 6663-6672.	11.3	84
25	Intelligent Offloading for Collaborative Smart City Services in Edge Computing. IEEE Internet of Things Journal, 2020, 7, 7919-7927.	8.7	79
26	Privacy-Preserving and Scalable Service Recommendation Based on SimHash in a Distributed Cloud Environment. Complexity, 2017, 2017, 1-9.	1.6	78
27	LSH-aware multitype health data prediction with privacy preservation in edge environment. World Wide Web, 2022, 25, 1793-1808.	4.0	71
28	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
29	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
30	Data-Driven Web APIs Recommendation for Building Web Applications. IEEE Transactions on Big Data, 2022, 8, 685-698.	6.1	69
31	Bidirectional GRU networksâ€based next POI category prediction for healthcare. International Journal of Intelligent Systems, 2022, 37, 4020-4040.	5.7	69
32	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
33	Weighted principal component analysis-based service selection method for multimedia services in cloud. Computing (Vienna/New York), 2016, 98, 195-214.	4.8	65
34	TripRes. ACM Transactions on Multimedia Computing, Communications and Applications, 2021, 17, 1-21.	4.3	65
35	Walrasian Equilibrium-Based Multiobjective Optimization for Task Allocation in Mobile Crowdsourcing. IEEE Transactions on Computational Social Systems, 2020, 7, 1033-1046.	4.4	62
36	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

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37	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
38	Multi-objective computation offloading for Internet of Vehicles in cloud-edge computing. Wireless Networks, 2020, 26, 1611-1629.	3.0	54
39	Amplified locality-sensitive hashing-based recommender systems with privacy protection. Concurrency Computation Practice and Experience, 2022, 34, e5681.	2.2	54
40	Hybrid computation offloading for smart home automation in mobile cloud computing. Personal and Ubiquitous Computing, 2018, 22, 121-134.	2.8	52
41	A Computation Offloading Method for Edge Computing With Vehicle-to-Everything. IEEE Access, 2019, 7, 131068-131077.	4.2	52
42	A blockchain-and artificial intelligence-enabled smart IoT framework for sustainable city. International Journal of Intelligent Systems, 2022, 37, 6493-6507.	5.7	52
43	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
44	Privacy Protection Based on Stream Cipher for Spatiotemporal Data in IoT. IEEE Internet of Things Journal, 2020, 7, 7928-7940.	8.7	50
45	Popularity-Aware and Diverse Web APIs Recommendation Based on Correlation Graph. IEEE Transactions on Computational Social Systems, 2023, 10, 771-782.	4.4	50
46	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
47	An Exception Handling Approach for Privacy-Preserving Service Recommendation Failure in a Cloud Environment. Sensors, 2018, 18, 2037.	3.8	46
48	Multiobjective computation offloading for workflow management in cloudlet-based mobile cloud using NSGA-II. Computational Intelligence, 2019, 35, 476-495.	3.2	46
49	A blockchain-based computation offloading method for edge computing in 5G networks. Software - Practice and Experience, 2021, 51, 2015-2032.	3.6	45
50	LMM: latency-aware micro-service mashup in mobile edge computing environment. Neural Computing and Applications, 2020, 32, 15411-15425.	5.6	45
51	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
52	Privacy-Aware Point-of-Interest Category Recommendation in Internet of Things. IEEE Internet of Things Journal, 2022, 9, 21398-21408.	8.7	42
53	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
54	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

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55	A Context-Aware Service Evaluation Approach over Big Data for Cloud Applications. IEEE Transactions on Cloud Computing, 2020, 8, 338-348.	4.4	37
56	Edge-cloud-enabled matrix factorization for diversified APIs recommendation in mashup creation. World Wide Web, 2022, 25, 1809-1829.	4.0	35
57	Complex Attack Linkage Decision-Making in Edge Computing Networks. IEEE Access, 2019, 7, 12058-12072.	4.2	34
58	Computational Intelligence Enabled Cybersecurity for the Internet of Things. IEEE Transactions on Emerging Topics in Computational Intelligence, 2020, 4, 666-674.	4.9	34
59	â€œTimeâ€"Locationâ€"Frequencyâ€"aware Internet of things service selection based on historical records. International Journal of Distributed Sensor Networks, 2017, 13, 155014771668869.	2.2	33
60	Diversified and Scalable Service Recommendation With Accuracy Guarantee. IEEE Transactions on Computational Social Systems, 2021, 8, 1182-1193.	4.4	33
61	Keywords-Driven and Popularity-Aware Paper Recommendation Based on Undirected Paper Citation Graph. Complexity, 2020, 2020, 1-15.	1.6	33
62	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
63	Blockchain-based cloudlet management for multimedia workflow in mobile cloud computing. Multimedia Tools and Applications, 2020, 79, 9819-9844.	3.9	30
64	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
65	Privacy-Preserving Distributed Service Recommendation Based on Locality-Sensitive Hashing. , 2017, , .		27
66	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
67	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
68	CroApp: A CNN-Based Resource Optimization Approach in Edge Computing Environment. IEEE Transactions on Industrial Informatics, 2022, 18, 6300-6307.	11.3	23
69	MRMondrian: Scalable Multidimensional Anonymisation for Big Data Privacy Preservation. IEEE Transactions on Big Data, 2022, 8, 125-139.	6.1	21
70	Deep learning for real-time image steganalysis: a survey. Journal of Real-Time Image Processing, 2020, 17, 149-160.	3.5	21
71	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
72	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

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73	Reliability-Enhanced Task Offloading in Mobile Edge Computing Environments. IEEE Internet of Things Journal, 2022, 9, 10382-10396.	8.7	19
74	An Invocation Cost Optimization Method for Web Services in Cloud Environment. Scientific Programming, 2017, 2017, 1-9.	0.7	18
75	An IoT-Oriented Offloading Method with Privacy Preservation for Cloudlet-Enabled Wireless Metropolitan Area Networks. Sensors, 2018, 18, 3030.	3.8	18
76	Privacy-Aware Factorization-Based Hybrid Recommendation Method for Healthcare Services. IEEE Transactions on Industrial Informatics, 2022, 18, 5637-5647.	11.3	16
77	A Heuristic Virtual Machine Scheduling Method for Load Balancing in Fog-Cloud Computing. , 2018, , .		15
78	A Trust Evaluation Method for Cloud Service with Fluctuant QoS and Flexible SLA. , 2014, , .		14
79	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
80	Keywordsâ€driven web APIs group recommendation for automatic app service creation process. Software - Practice and Experience, 2021, 51, 2337-2354.	3.6	12
81	Computation Offloading and Content Caching with Traffic Flow Prediction for Internet of Vehicles in Edge Computing. , 2020, , .		11
82	Intrusion Detection for Maritime Transportation Systems With Batch Federated Aggregation. IEEE Transactions on Intelligent Transportation Systems, 2022, , 1-12.	8.0	11
83	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
84	Multi-Source Medical Data Integration and Mining for Healthcare Services. IEEE Access, 2020, 8, 165010-165017.	4.2	9
85	A Pricing Approach Toward Incentive Mechanisms for Participant Mobile Crowdsensing in Edge Computing. Mobile Networks and Applications, 2020, 25, 1220-1232.	3.3	9
86	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
87	Point-of-Interest Recommendation with Userâ€™s Privacy Preserving in an IoT Environment. Mobile Networks and Applications, 2021, 26, 2445-2460.	3.3	9
88	Dynamic Task Offloading with Minority Game for Internet of Vehicles in Cloud-Edge Computing. , 2020, , .		9
89	A QoSâ€aware exception handling method in scientific workflow execution. Concurrency Computation Practice and Experience, 2011, 23, 1951-1968.	2.2	8
90	Intrusion Detection and Prevention in Cloud, Fog, and Internet of Things. Security and Communication Networks, 2019, 2019, 1-4.	1.5	8

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91	Energy-Efficient Virtual Machine Scheduling across Cloudlets in Wireless Metropolitan Area Networks. Mobile Networks and Applications, 2020, 25, 442-456.	3.3	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	Quantified Edge Server Placement With Quantum Encoding in Internet of Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 9370-9379.	8.0	7
94	Computation offloading for multimedia workflows with deadline constraints in cloudlet-based mobile cloud. Wireless Networks, 2020, 26, 5535-5549.	3.0	6
95	Service Recommendation with High Accuracy and Diversity. Wireless Communications and Mobile Computing, 2020, 2020, 1-10.	1.2	6
96	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
97	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
98	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
99	Game Theory-Based Task Offloading and Resource Allocation for Vehicular Networks in Edge-Cloud Computing. , 2021, , .		6
100	GoDeep: Intelligent IoV Service Deployment and Execution with Privacy Preservation in Cloud-edge Computing. , 2021, , .		5
101	A label noise filtering and label missing supplement framework based on game theory. Digital Communications and Networks, 2023, 9, 887-895.	5.0	5
102	Joint Optimization of Energy Conservation and Migration Cost for Complex Systems in Edge Computing. Complexity, 2019, 2019, 1-14.	1.6	4
103	A Workflow Scheduling Method for Cloudlet Management in Mobile Cloud. , 2018, , .		3
104	Time-Aware Missing Traffic Flow Prediction for Sensors with Privacy-Preservation. Lecture Notes in Electrical Engineering, 2022, , 721-730.	0.4	3
105	A Evaluation Method for Web Service with Large Numbers of Historical Records. , 2014, , .		2
106	A Multi-dimensional Weighting Method for Historical Records in Cloud Service Evaluation. , 2014, , .		2
107	Load Aware Management of Cloudlets for a Wireless Area Metropolitan Network. , 2018, , .		2
108	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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109	Resource management for meteorological service in cloudâ€edge computing: A survey. Transactions on Emerging Telecommunications Technologies, 2022, 33, e3844.	3.9	2
110	A WiFiâ€aware method for mobile data offloading with deadline constraints. Concurrency Computation Practice and Experience, 2021, 33, 1-1.	2.2	2
111	An Ensemble of Random Decision Trees with Personalized Privacy Preservation in Edge-Cloud Computing. , 2020, , .		2
112	A Selection Strategy Supporting Service Outsourcing in Cloud Platform. , 2012, , .		1
113	Energy-Efficient Computation Offloading in Cloudlet-Based Mobile Cloud Using NSGA-II. , 2018, , .		1
114	A Multi-Objective Crowdsourcing Method for Mobile Video Streaming. , 2019, , .		1
115	RAOA: A Relay-assisted Offloading Approach in Edge Computing Environment. , 2021, , .		1
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	Private Estimation of Symptom Distribution for Infectious Disease Analysis in Edge Computing. , 2021, , .		1
118	Cooperative Task Offloading for Internet of Vehicles in Cloud-edge Computing. , 2021, , .		1
119	Collaborative Network Traffic Analysis via Alternating Direction Method of Multipliers. , 2018, , .		0
120	Call for Special Issue Papers: Big Data Analytics in Industrial Intelligence. Big Data, 2022, 10, 87-88.	3.4	0
121	An Information Extraction Method for Sedimentology Literature with Semantic Rules. , 2021, , .		0