

# Laurence T Yang

## List of Publications by Year in descending order

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741  
papers

21,837  
citations

7561

77  
h-index

20343

116  
g-index

784  
all docs

784  
docs citations

784  
times ranked

16856  
citing authors

#	ARTICLE	IF	CITATIONS
1	A survey on deep learning for big data. Information Fusion, 2018, 42, 146-157.	11.7	827
2	A Cloud-Edge Computing Framework for Cyber-Physical-Social Services. IEEE Communications Magazine, 2017, 55, 80-85.	4.9	561
3	Data Mining for Internet of Things: A Survey. IEEE Communications Surveys and Tutorials, 2014, 16, 77-97.	24.8	504
4	Context-aware vehicular cyber-physical systems with cloud support: architecture, challenges, and solutions. , 2014, 52, 106-113.		310
5	Deep-Learning-Enhanced Human Activity Recognition for Internet of Healthcare Things. IEEE Internet of Things Journal, 2020, 7, 6429-6438.	5.5	276
6	Energy-Efficient Resource Allocation for D2D Communications Underlying Cloud-RAN-Based LTE-A Networks. IEEE Internet of Things Journal, 2016, 3, 428-438.	5.5	240
7	Privacy Preserving Deep Computation Model on Cloud for Big Data Feature Learning. IEEE Transactions on Computers, 2016, 65, 1351-1362.	2.4	203
8	A Scalable Two-Phase Top-Down Specialization Approach for Data Anonymization Using MapReduce on Cloud. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 363-373.	4.0	185
9	Real-Time Tasks Oriented Energy-Aware Scheduling in Virtualized Clouds. IEEE Transactions on Cloud Computing, 2014, 2, 168-180.	3.1	181
10	Authorized Public Auditing of Dynamic Big Data Storage on Cloud with Efficient Verifiable Fine-Grained Updates. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 2234-2244.	4.0	179
11	Cyberentity Security in the Internet of Things. Computer, 2013, 46, 46-53.	1.2	174
12	Real-Time Locating Systems Using Active RFID for Internet of Things. IEEE Systems Journal, 2016, 10, 1226-1235.	2.9	165
13	Efficient and Privacy-Preserving Data Aggregation Scheme for Smart Grid Against Internal Adversaries. IEEE Transactions on Smart Grid, 2017, 8, 2411-2419.	6.2	165
14	An Efficient Deep Learning Model to Predict Cloud Workload for Industry Informatics. IEEE Transactions on Industrial Informatics, 2018, 14, 3170-3178.	7.2	159
15	Deep Convolutional Computation Model for Feature Learning on Big Data in Internet of Things. IEEE Transactions on Industrial Informatics, 2018, 14, 790-798.	7.2	159
16	Comparative analysis of quality of service and memory usage for adaptive failure detectors in healthcare systems. IEEE Journal on Selected Areas in Communications, 2009, 27, 495-509.	9.7	157
17	TPGF: geographic routing in wireless multimedia sensor networks. Telecommunication Systems, 2010, 44, 79-95.	1.6	157
18	CloudThings: A common architecture for integrating the Internet of Things with Cloud Computing. , 2013, , .		154

#	ARTICLE	IF	CITATIONS
19	A Tensor-Based Approach for Big Data Representation and Dimensionality Reduction. IEEE Transactions on Emerging Topics in Computing, 2014, 2, 280-291.	3.2	153
20	A survey on data fusion in internet of things: Towards secure and privacy-preserving fusion. Information Fusion, 2019, 51, 129-144.	11.7	151
21	An Incremental CFS Algorithm for Clustering Large Data in Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2017, 13, 1193-1201.	7.2	148
22	UAV-Empowered Edge Computing Environment for Cyber-Threat Detection in Smart Vehicles. IEEE Network, 2018, 32, 42-51.	4.9	148
23	A Tensor-Based Big-Data-Driven Routing Recommendation Approach for Heterogeneous Networks. IEEE Network, 2019, 33, 64-69.	4.9	147
24	Balance of security strength and energy for a PMU monitoring system in smart grid. IEEE Communications Magazine, 2012, 50, 142-149.	4.9	144
25	Convolutional neural networks for medical image analysis: State-of-the-art, comparisons, improvement and perspectives. Neurocomputing, 2021, 444, 92-110.	3.5	143
26	Deep Correlation Mining Based on Hierarchical Hybrid Networks for Heterogeneous Big Data Recommendations. IEEE Transactions on Computational Social Systems, 2021, 8, 171-178.	3.2	139
27	A Big Data-as-a-Service Framework: State-of-the-Art and Perspectives. IEEE Transactions on Big Data, 2018, 4, 325-340.	4.4	136
28	Indoor smartphone localization via fingerprint crowdsourcing: challenges and approaches. IEEE Wireless Communications, 2016, 23, 82-89.	6.6	135
29	Towards a smart world and ubiquitous intelligence: A walkthrough from smart things to smart hyperspaces and UbicKids. International Journal of Pervasive Computing and Communications, 2005, 1, 53-68.	1.1	124
30	A survey on communication and data management issues in mobile sensor networks. Wireless Communications and Mobile Computing, 2014, 14, 19-36.	0.8	124
31	A survey: Cyber-physical-social systems and their system-level design methodology. Future Generation Computer Systems, 2020, 105, 1028-1042.	4.9	124
32	Trust-Based Communication for the Industrial Internet of Things. , 2018, 56, 16-22.		121
33	Intelligent Small Object Detection for Digital Twin in Smart Manufacturing With Industrial Cyber-Physical Systems. IEEE Transactions on Industrial Informatics, 2022, 18, 1377-1386.	7.2	121
34	Phone2Cloud: Exploiting computation offloading for energy saving on smartphones in mobile cloud computing. Information Systems Frontiers, 2014, 16, 95-111.	4.1	118
35	Cybermatics: Cyberâ€“physicalâ€“socialâ€“thinking hyperspace based science and technology. Future Generation Computer Systems, 2016, 56, 504-522.	4.9	116
36	Nodes organization for channel assignment with topology preservation in multi-radio wireless mesh networks. Ad Hoc Networks, 2012, 10, 760-773.	3.4	115

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37	Deep Computation Model for Unsupervised Feature Learning on Big Data. IEEE Transactions on Services Computing, 2016, 9, 161-171.	3.2	115
38	A Distributed HOSVD Method With Its Incremental Computation for Big Data in Cyber-Physical-Social Systems. IEEE Transactions on Computational Social Systems, 2018, 5, 481-492.	3.2	110
39	Energy-Efficient Scheduling for Real-Time Systems Based on Deep Q-Learning Model. IEEE Transactions on Sustainable Computing, 2019, 4, 132-141.	2.2	107
40	Enabling Cloud Computing in Emergency Management Systems. IEEE Cloud Computing, 2014, 1, 60-67.	5.3	106
41	Fault-Tolerant Scheduling for Real-Time Scientific Workflows with Elastic Resource Provisioning in Virtualized Clouds. IEEE Transactions on Parallel and Distributed Systems, 2016, 27, 3501-3517.	4.0	106
42	AMES-Cloud: A Framework of Adaptive Mobile Video Streaming and Efficient Social Video Sharing in the Clouds. IEEE Transactions on Multimedia, 2013, 15, 811-820.	5.2	103
43	A Double Deep Q-Learning Model for Energy-Efficient Edge Scheduling. IEEE Transactions on Services Computing, 2019, 12, 739-749.	3.2	103
44	Aggregated-Proofs Based Privacy-Preserving Authentication for V2G Networks in the Smart Grid. IEEE Transactions on Smart Grid, 2012, 3, 1722-1733.	6.2	101
45	An Adaptive Dropout Deep Computation Model for Industrial IoT Big Data Learning With Crowdsourcing to Cloud Computing. IEEE Transactions on Industrial Informatics, 2019, 15, 2330-2337.	7.2	101
46	ADTT: A Highly Efficient Distributed Tensor-Train Decomposition Method for IIoT Big Data. IEEE Transactions on Industrial Informatics, 2021, 17, 1573-1582.	7.2	100
47	Security-aware optimization for ubiquitous computing systems with SEAT graph approach. Journal of Computer and System Sciences, 2013, 79, 518-529.	0.9	98
48	A kernel machine-based secure data sensing and fusion scheme in wireless sensor networks for the cyber-physical systems. Future Generation Computer Systems, 2016, 61, 85-96.	4.9	98
49	A personalized hashtag recommendation approach using LDA-based topic model in microblog environment. Future Generation Computer Systems, 2016, 65, 196-206.	4.9	97
50	Multipath Cooperative Routing with Efficient Acknowledgement for LEO Satellite Networks. IEEE Transactions on Mobile Computing, 2019, 18, 179-192.	3.9	97
51	An Intelligent Information Forwarder for Healthcare Big Data Systems With Distributed Wearable Sensors. IEEE Systems Journal, 2016, 10, 1147-1159.	2.9	96
52	Data Allocation for Hybrid Memory With Genetic Algorithm. IEEE Transactions on Emerging Topics in Computing, 2015, 3, 544-555.	3.2	95
53	High-order possibilistic c-means algorithms based on tensor decompositions for big data in IoT. Information Fusion, 2018, 39, 72-80.	11.7	95
54	Role-Dependent Privacy Preservation for Secure V2G Networks in the Smart Grid. IEEE Transactions on Information Forensics and Security, 2014, 9, 208-220.	4.5	94

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55	A Novel Sensory Data Processing Framework to Integrate Sensor Networks With Mobile Cloud. IEEE Systems Journal, 2016, 10, 1125-1136.	2.9	94
56	Defending ONâ€“OFF Attacks Using Light Probing Messages in Smart Sensors for Industrial Communication Systems. IEEE Transactions on Industrial Informatics, 2018, 14, 3801-3811.	7.2	93
57	Thermal-aware task scheduling in 3D chip multiprocessor with real-time constrained workloads. Transactions on Embedded Computing Systems, 2013, 12, 1-22.	2.1	91
58	Collaborative Location-Based Sleep Scheduling for Wireless Sensor Networks Integrated with Mobile Cloud Computing. IEEE Transactions on Computers, 2015, 64, 1844-1856.	2.4	90
59	LSCD: A Low-Storage Clone Detection Protocol for Cyber-Physical Systems. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2016, 35, 712-723.	1.9	90
60	Using Multi-Modal Semantic Association Rules to fuse keywords and visual features automatically for Web image retrieval. Information Fusion, 2011, 12, 223-230.	11.7	89
61	Rich Mobile Applications: Genesis, taxonomy, and open issues. Journal of Network and Computer Applications, 2014, 40, 345-362.	5.8	89
62	Original Symbol Phase Rotated Secure Transmission Against Powerful Massive MIMO Eavesdropper. IEEE Access, 2016, 4, 3016-3025.	2.6	89
63	Adaptive GTS allocation in IEEE 802.15.4 for real-time wireless sensor networks. Journal of Systems Architecture, 2013, 59, 1231-1242.	2.5	88
64	Data Exfiltration From Internet of Things Devices: iOS Devices as Case Studies. IEEE Internet of Things Journal, 2017, 4, 524-535.	5.5	88
65	Data fusion in cyber-physical-social systems: State-of-the-art and perspectives. Information Fusion, 2019, 51, 42-57.	11.7	86
66	PPHOPCM: Privacy-Preserving High-Order Possibilistic c-Means Algorithm for Big Data Clustering with Cloud Computing. IEEE Transactions on Big Data, 2022, 8, 25-34.	4.4	85
67	Static Security Optimization for Real-Time Systems. IEEE Transactions on Industrial Informatics, 2009, 5, 22-37.	7.2	84
68	Green Communication in Energy Renewable Wireless Mesh Networks: Routing, Rate Control, and Power Allocation. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 3211-3220.	4.0	84
69	An Authenticated Trust and Reputation Calculation and Management System for Cloud and Sensor Networks Integration. IEEE Transactions on Information Forensics and Security, 2015, 10, 118-131.	4.5	84
70	FESTAL: Fault-Tolerant Elastic Scheduling Algorithm for Real-Time Tasks in Virtualized Clouds. IEEE Transactions on Computers, 2015, 64, 2545-2558.	2.4	83
71	Aggregated-Proof Based Hierarchical Authentication Scheme for the Internet of Things. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 657-667.	4.0	83
72	LSTM and Edge Computing for Big Data Feature Recognition of Industrial Electrical Equipment. IEEE Transactions on Industrial Informatics, 2019, 15, 2469-2477.	7.2	82

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73	Internet Traffic Classification Using Constrained Clustering. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 2932-2943.	4.0	81
74	Secure Multimedia Big Data in Trust-Assisted Sensor-Cloud for Smart City. , 2017, 55, 24-30.		81
75	Real-Time Dynamic Voltage Loop Scheduling for Multi-Core Embedded Systems. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2007, 54, 445-449.	2.3	80
76	Energy minimization with loop fusion and multi-functional-unit scheduling for multidimensional DSP. Journal of Parallel and Distributed Computing, 2008, 68, 443-455.	2.7	80
77	MVCWalker: Random Walk-Based Most Valuable Collaborators Recommendation Exploiting Academic Factors. IEEE Transactions on Emerging Topics in Computing, 2014, 2, 364-375.	3.2	80
78	Itinerary Planning for Energy-Efficient Agent Communications in Wireless Sensor Networks. IEEE Transactions on Vehicular Technology, 2011, 60, 3290-3299.	3.9	79
79	Multicloud-Based Evacuation Services for Emergency Management. IEEE Cloud Computing, 2014, 1, 50-59.	5.3	79
80	$\kappa$ -Clique Community Detection in Social Networks Based on Formal Concept Analysis. IEEE Systems Journal, 2017, 11, 250-259.	2.9	79
81	Privacy-Preserving Double-Projection Deep Computation Model With Crowdsourcing on Cloud for Big Data Feature Learning. IEEE Internet of Things Journal, 2018, 5, 2896-2903.	5.5	79
82	Anomaly secure detection methods by analyzing dynamic characteristics of the network traffic in cloud communications. Information Sciences, 2014, 258, 403-415.	4.0	78
83	A Data-Driven Approach of Product Quality Prediction for Complex Production Systems. IEEE Transactions on Industrial Informatics, 2021, 17, 6457-6465.	7.2	78
84	A sustainable heuristic QoS routing algorithm for pervasive multi-layered satellite wireless networks. Wireless Networks, 2010, 16, 1657-1673.	2.0	77
85	Dynamic and Leakage Energy Minimization With Soft Real-Time Loop Scheduling and Voltage Assignment. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2010, 18, 501-504.	2.1	77
86	Mobile agent-based energy-aware and user-centric data collection in wireless sensor networks. Computer Networks, 2014, 74, 58-70.	3.2	76
87	An Adaptive CU Size Decision Algorithm for HEVC Intra Prediction Based on Complexity Classification Using Machine Learning. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 144-155.	5.6	76
88	A Distributed Efficient Flow Control Scheme for Multirate Multicast Networks. IEEE Transactions on Parallel and Distributed Systems, 2010, 21, 1254-1266.	4.0	75
89	NextCell: Predicting Location Using Social Interplay from Cell Phone Traces. IEEE Transactions on Computers, 2015, 64, 452-463.	2.4	75
90	A Tensor-Based Multiattributes Visual Feature Recognition Method for Industrial Intelligence. IEEE Transactions on Industrial Informatics, 2021, 17, 2231-2241.	7.2	75

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91	From Internet to Smart World. IEEE Access, 2015, 3, 1994-1999.	2.6	74
92	Shared Authority Based Privacy-Preserving Authentication Protocol in Cloud Computing. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 241-251.	4.0	74
93	Toward Big Data in Green City. , 2017, 55, 14-18.		73
94	Multi-Method Data Delivery for Green Sensor-Cloud. , 2017, 55, 176-182.		72
95	Data fusion based coverage optimization in heterogeneous sensor networks: A survey. Information Fusion, 2019, 52, 90-105.	11.7	71
96	A Tensor-Based Big Service Framework for Enhanced Living Environments. IEEE Cloud Computing, 2016, 3, 36-43.	5.3	70
97	Sleep Scheduling for Geographic Routing in Duty-Cycled Mobile Sensor Networks. IEEE Transactions on Industrial Electronics, 2014, 61, 6346-6355.	5.2	69
98	Multi-UAV Cooperative Localization for Marine Targets Based on Weighted Subspace Fitting in SAGIN Environment. IEEE Internet of Things Journal, 2022, 9, 5708-5718.	5.5	67
99	Subtask Scheduling for Distributed Robots in Cloud Manufacturing. IEEE Systems Journal, 2017, 11, 941-950.	2.9	66
100	Connectivity and coverage maintenance in wireless sensor networks. Journal of Supercomputing, 2010, 52, 23-46.	2.4	65
101	A novel self-tuning feedback controller for active queue management supporting TCP flows. Information Sciences, 2010, 180, 2249-2263.	4.0	65
102	Security Analysis and Improvement of a Secure and Distributed Reprogramming Protocol for Wireless Sensor Networks. IEEE Transactions on Industrial Electronics, 2013, 60, 5348-5354.	5.2	65
103	Analytical Model for Sybil Attack Phases in Internet of Things. IEEE Internet of Things Journal, 2019, 6, 379-387.	5.5	63
104	Energy-Efficient Distributed Relay and Power Control in Cognitive Radio Cooperative Communications. IEEE Journal on Selected Areas in Communications, 2013, 31, 2442-2452.	9.7	62
105	Context-aware cross-layer optimized video streaming in wireless multimedia sensor networks. Journal of Supercomputing, 2010, 54, 94-121.	2.4	61
106	Searching in Internet of Things: Vision and Challenges. , 2011, , .		61
107	MobiFuzzyTrust: An Efficient Fuzzy Trust Inference Mechanism in Mobile Social Networks. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 2944-2955.	4.0	61
108	Loop scheduling and bank type assignment for heterogeneous multi-bank memory. Journal of Parallel and Distributed Computing, 2009, 69, 546-558.	2.7	60

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109	NQA. Transactions on Embedded Computing Systems, 2019, 18, 1-21.	2.1	60
110	A Tensor Computation and Optimization Model for Cyber-Physical-Social Big Data. IEEE Transactions on Sustainable Computing, 2019, 4, 326-339.	2.2	59
111	Secure Data Collection, Storage and Access in Cloud-Assisted IoT. IEEE Cloud Computing, 2018, 5, 77-88.	5.3	58
112	Privacy-Preserving Tensor Decomposition Over Encrypted Data in a Federated Cloud Environment. IEEE Transactions on Dependable and Secure Computing, 2020, 17, 857-868.	3.7	58
113	A Wide-Deep-Sequence Model-Based Quality Prediction Method in Industrial Process Analysis. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 3721-3731.	7.2	58
114	Confident information coverage in sensor networks for field reconstruction. IEEE Wireless Communications, 2013, 20, 74-81.	6.6	57
115	A Dynamical and Load-Balanced Flow Scheduling Approach for Big Data Centers in Clouds. IEEE Transactions on Cloud Computing, 2018, 6, 915-928.	3.1	57
116	An Efficient Approach to Generating Location-Sensitive Recommendations in Ad-hoc Social Network Environments. IEEE Transactions on Services Computing, 2015, 8, 520-533.	3.2	56
117	Confident Information Coverage Hole Healing in Hybrid Industrial Wireless Sensor Networks. IEEE Transactions on Industrial Informatics, 2018, 14, 2220-2229.	7.2	56
118	A Distributed Tensor-Train Decomposition Method for Cyber-Physical-Social Services. ACM Transactions on Cyber-Physical Systems, 2019, 3, 1-15.	1.9	56
119	Big Data Real-Time Processing Based on Storm. , 2013, , .		55
120	Dynamic Scheduling for Emergency Tasks on Distributed Imaging Satellites with Task Merging. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 2275-2285.	4.0	52
121	Towards dynamic real-time scheduling for multiple earth observation satellites. Journal of Computer and System Sciences, 2015, 81, 110-124.	0.9	52
122	NextMe: Localization Using Cellular Traces in Internet of Things. IEEE Transactions on Industrial Informatics, 2015, 11, 302-312.	7.2	51
123	Toward Offering More Useful Data Reliably to Mobile Cloud From Wireless Sensor Network. IEEE Transactions on Emerging Topics in Computing, 2015, 3, 84-94.	3.2	51
124	Scalable and efficient key management for heterogeneous sensor networks. Journal of Supercomputing, 2008, 45, 44-65.	2.4	50
125	A tensor-based big data model for QoS improvement in software defined networks. IEEE Network, 2016, 30, 30-35.	4.9	50
126	Forensic investigation of P2P cloud storage services and backbone for IoT networks: BitTorrent Sync as a case study. Computers and Electrical Engineering, 2017, 58, 350-363.	3.0	50



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127	Trace malicious source to guarantee cyber security for mass monitor critical infrastructure. Journal of Computer and System Sciences, 2018, 98, 1-26.	0.9	49
128	A review of the smart world. Future Generation Computer Systems, 2019, 96, 678-691.	4.9	49
129	A GPU-based residual network for medical image classification in smart medicine. Information Sciences, 2020, 536, 91-100.	4.0	49
130	Cloud-Based Mobile Multimedia Recommendation System With User Behavior Information. IEEE Systems Journal, 2014, 8, 184-193.	2.9	48
131	BEEINFO: Interest-Based Forwarding Using Artificial Bee Colony for Socially Aware Networking. IEEE Transactions on Vehicular Technology, 2015, 64, 1188-1200.	3.9	48
132	A privacy-preserving high-order neuro-fuzzy c-means algorithm with cloud computing. Neurocomputing, 2017, 256, 82-89.	3.5	48
133	Response time optimization for cloudlets in Mobile Edge Computing. Journal of Parallel and Distributed Computing, 2018, 119, 81-91.	2.7	48
134	An Incremental Deep Convolutional Computation Model for Feature Learning on Industrial Big Data. IEEE Transactions on Industrial Informatics, 2019, 15, 1341-1349.	7.2	48
135	Performance Analysis of Hybrid Wireless Networks Under Bursty and Correlated Traffic. IEEE Transactions on Vehicular Technology, 2013, 62, 449-454.	3.9	47
136	An Improved Stacked Auto-Encoder for Network Traffic Flow Classification. IEEE Network, 2018, 32, 22-27.	4.9	47
137	An algorithm for accuracy enhancement of license plate recognition. Journal of Computer and System Sciences, 2013, 79, 245-255.	0.9	46
138	A Multi-Order Distributed HOSVD with Its Incremental Computing for Big Services in Cyber-Physical-Social Systems. IEEE Transactions on Big Data, 2020, 6, 666-678.	4.4	46
139	ANGEL: Agent-Based Scheduling for Real-Time Tasks in Virtualized Clouds. IEEE Transactions on Computers, 2015, 64, 3389-3403.	2.4	45
140	Resource requests prediction in the cloud computing environment with a deep belief network. Software - Practice and Experience, 2017, 47, 473-488.	2.5	45
141	Grouping-Proofs-Based Authentication Protocol for Distributed RFID Systems. IEEE Transactions on Parallel and Distributed Systems, 2013, 24, 1321-1330.	4.0	44
142	Insights of Top- $k$ Query in Duty-Cycled Wireless Sensor Networks. IEEE Transactions on Industrial Electronics, 2015, 62, 1317-1328.	5.2	43
143	Privacy Preserving High-Order Bi-Lanczos in Cloud-Fog Computing for Industrial Applications. IEEE Transactions on Industrial Informatics, 2022, 18, 7009-7018.	7.2	43
144	Threat Analysis for Automotive CAN Networks: A GAN Model-Based Intrusion Detection Technique. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 4467-4477.	4.7	43

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145	Synchronization-Aware Energy Management for VFI-Based Multicore Real-Time Systems. IEEE Transactions on Computers, 2012, 61, 1682-1696.	2.4	42
146	Learning-Automata-Based Confident Information Coverage Barriers for Smart Ocean Internet of Things. IEEE Internet of Things Journal, 2020, 7, 9919-9929.	5.5	42
147	A Tensor-Train Deep Computation Model for Industry Informatics Big Data Feature Learning. IEEE Transactions on Industrial Informatics, 2018, 14, 3197-3204.	7.2	41
148	Peer-to-Peer Grid Computing and a .NET-Based Alchemi Framework. , 2006, , 403-429.		40
149	Thermal-Aware and DVFS-Enabled Big Data Task Scheduling for Data Centers. IEEE Transactions on Big Data, 2018, 4, 177-190.	4.4	40
150	Detecting Confident Information Coverage Holes in Industrial Internet of Things: An Energy-Efficient Perspective. IEEE Communications Magazine, 2018, 56, 68-73.	4.9	40
151	A survey on data provenance in IoT. World Wide Web, 2020, 23, 1441-1463.	2.7	39
152	An Edge Cloud-Assisted CPSS Framework for Smart City. IEEE Cloud Computing, 2018, 5, 37-46.	5.3	38
153	Elephant Flow Detection and Load-Balanced Routing with Efficient Sampling and Classification. IEEE Transactions on Cloud Computing, 2021, 9, 1022-1036.	3.1	38
154	Preserving Edge Knowledge Sharing Among IoT Services: A Blockchain-Based Approach. IEEE Transactions on Emerging Topics in Computational Intelligence, 2020, 4, 653-665.	3.4	38
155	A Review of Key Issues That Concern the Feasibility of Mobile Cloud Computing. , 2013, , .		37
156	Joint Relay Scheduling, Channel Access, and Power Allocation for Green Cognitive Radio Communications. IEEE Journal on Selected Areas in Communications, 2015, 33, 922-932.	9.7	37
157	A Tucker Deep Computation Model for Mobile Multimedia Feature Learning. ACM Transactions on Multimedia Computing, Communications and Applications, 2017, 13, 1-18.	3.0	37
158	Exploiting Social Relationship to Enable Efficient Replica Allocation in Ad-hoc Social Networks. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 3167-3176.	4.0	36
159	Safety Challenges and Solutions in Mobile Social Networks. IEEE Systems Journal, 2015, 9, 834-854.	2.9	36
160	Minimum Cost Placement of Bistatic Radar Sensors for Belt Barrier Coverage. IEEE Transactions on Computers, 2016, 65, 577-588.	2.4	36
161	Scheduling Co-Design for Reliability and Energy in Cyber-Physical Systems. IEEE Transactions on Emerging Topics in Computing, 2013, 1, 353-365.	3.2	35
162	Detecting k-Balanced Trusted Cliques in Signed Social Networks. IEEE Internet Computing, 2014, 18, 24-31.	3.2	35

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163	Indoor positioning via subarea fingerprinting and surface fitting with received signal strength. Pervasive and Mobile Computing, 2015, 23, 43-58.	2.1	35
164	Dynamic Request Redirection and Resource Provisioning for Cloud-Based Video Services under Heterogeneous Environment. IEEE Transactions on Parallel and Distributed Systems, 2016, 27, 1954-1967.	4.0	35
165	A High-Order Possibilistic $\mu$ -Means Algorithm for Clustering Incomplete Multimedia Data. IEEE Systems Journal, 2017, 11, 2160-2169.	2.9	35
166	Delay-Minimized Routing in Mobile Cognitive Networks for Time-Critical Applications. IEEE Transactions on Industrial Informatics, 2017, 13, 1398-1409.	7.2	35
167	Improved Multi-Order Distributed HOSVD with Its Incremental Computing for Smart City Services. IEEE Transactions on Sustainable Computing, 2021, 6, 456-468.	2.2	35
168	Multivariate Multi-Order Markov Multi-Modal Prediction With Its Applications in Network Traffic Management. IEEE Transactions on Network and Service Management, 2019, 16, 828-841.	3.2	35
169	Enhancing challenge-based collaborative intrusion detection networks against insider attacks using blockchain. International Journal of Information Security, 2020, 19, 279-290.	2.3	35
170	Social-Chain. ACM Transactions on Internet Technology, 2021, 21, 1-28.	3.0	35
171	How Long a Passenger Waits for a Vacant Taxi – Large-Scale Taxi Trace Mining for Smart Cities. , 2013, , .		34
172	An Optimized Computational Model for Multi-Community-Cloud Social Collaboration. IEEE Transactions on Services Computing, 2014, 7, 346-358.	3.2	34
173	Sensor Scheduling for Multi-Modal Confidential Information Coverage in Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 902-913.	4.0	34
174	A Signaling Game for Uncertain Data Delivery in Selfish Mobile Social Networks. IEEE Transactions on Computational Social Systems, 2016, 3, 100-112.	3.2	34
175	Optimal data fusion of collaborative spectrum sensing under attack in cognitive radio networks. IEEE Network, 2014, 28, 17-23.	4.9	33
176	HSDC: A Highly Scalable Data Center Network Architecture for Greater Incremental Scalability. IEEE Transactions on Parallel and Distributed Systems, 2019, 30, 1105-1119.	4.0	33
177	Using Crowdsourcing to Provide QoS for Mobile Cloud Computing. IEEE Transactions on Cloud Computing, 2019, 7, 344-356.	3.1	33
178	Towards Pricing for Sensor-Cloud. IEEE Transactions on Cloud Computing, 2020, 8, 1018-1029.	3.1	33
179	Performance Comparison of Cognitive Radio Sensor Networks for Industrial IoT With Different Deployment Patterns. IEEE Systems Journal, 2017, 11, 1456-1466.	2.9	32
180	Exploiting primary/backup mechanism for energy efficiency in dependable real-time systems. Journal of Systems Architecture, 2017, 78, 68-80.	2.5	32

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181	A Tensor-Based Multiple Clustering Approach With Its Applications in Automation Systems. IEEE Transactions on Industrial Informatics, 2018, 14, 283-291.	7.2	32
182	Confident information coverage hole detection in sensor networks for uranium tailing monitoring. Journal of Parallel and Distributed Computing, 2018, 118, 57-66.	2.7	32
183	Secure weighted possibilistic c-means algorithm on cloud for clustering big data. Information Sciences, 2019, 479, 515-525.	4.0	32
184	Energy-Aware Loop Parallelism Maximization for Multi-core DSP Architectures. , 2010, , .		31
185	Design and implementation of a trusted monitoring framework for cloud platforms. Future Generation Computer Systems, 2013, 29, 2092-2102.	4.9	31
186	A trajectory-based recruitment strategy of social sensors for participatory sensing. , 2014, 52, 41-47.		31
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