

# Giancarlo Fortino

## List of Publications by Year in descending order

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415  
papers

15,570  
citations

17440

63  
h-index

26613

107  
g-index

451  
all docs

451  
docs citations

451  
times ranked

12342  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-Granularity Collaborative Decision With Cognitive Networking in Intelligent Transportation Systems. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 1088-1098.	8.0	7
2	A Sustainable Multi-Modal Multi-Layer Emotion-Aware Service at the Edge. IEEE Transactions on Sustainable Computing, 2022, 7, 324-333.	3.1	3
3	Collaborative Cloud-Edge Service Cognition Framework for DNN Configuration Toward Smart IIoT. IEEE Transactions on Industrial Informatics, 2022, 18, 7038-7047.	11.3	9
4	Sensor Combination Selection Strategy for Kayak Cycle Phase Segmentation Based on Body Sensor Networks. IEEE Internet of Things Journal, 2022, 9, 4190-4201.	8.7	59
5	A Novel Multi-Stage Residual Feature Fusion Network for Detection of COVID-19 in Chest X-Ray Images. IEEE Transactions on Molecular, Biological, and Multi-Scale Communications, 2022, 8, 17-27.	2.1	29
6	An Advanced Boundary Protection Control for the Smart Water Network Using Semisupervised and Deep Learning Approaches. IEEE Internet of Things Journal, 2022, 9, 7298-7310.	8.7	8
7	DDI: A Novel Architecture for Joint Active User Detection and IoT Device Identification in Grant-Free NOMA Systems for 6G and Beyond Networks. IEEE Internet of Things Journal, 2022, 9, 2906-2917.	8.7	18
8	Soft Wrist-Worn Multi-Functional Sensor Array for Real-Time Hand Gesture Recognition. IEEE Sensors Journal, 2022, 22, 17505-17514.	4.7	18
9	Prostate cancer classification from ultrasound and MRI images using deep learning based Explainable Artificial Intelligence. Future Generation Computer Systems, 2022, 127, 462-472.	7.5	49
10	Early detection of cardiovascular autonomic neuropathy: A multi-class classification model based on feature selection and deep learning feature fusion. Information Fusion, 2022, 77, 70-80.	19.1	35
11	M-T2F: A High-Efficient Contention Protocol for Wireless Networking in Cyber-Physical-Social Systems. IEEE Transactions on Network Science and Engineering, 2022, 9, 3860-3869.	6.4	1
12	A Decision-Level Fusion Method for COVID-19 Patient Health Prediction. Big Data Research, 2022, 27, 100287.	4.2	35
13	Multi-sensor information fusion based on machine learning for real applications in human activity recognition: State-of-the-art and research challenges. Information Fusion, 2022, 80, 241-265.	19.1	264
14	Cascade Failures Analysis of Internet of Things Under Global/Local Routing Mode. IEEE Sensors Journal, 2022, 22, 1705-1719.	4.7	17
15	UAV-Assisted Joint Wireless Power Transfer and Data Collection Mechanism for Sustainable Precision Agriculture in 5G. IEEE Micro, 2022, 42, 25-32.	1.8	6
16	An Edge Tier Task Offloading to Identify Sources of Variance Shifts in Smart Grid Using a Hybrid of Wrapper and Filter Approaches. IEEE Transactions on Green Communications and Networking, 2022, 6, 329-340.	5.5	3
17	Guest Editorial: Introduction to the Special Section on Advanced Networking Technologies in the Battle Against the Outbreak of Epidemic Diseases. IEEE Transactions on Network Science and Engineering, 2022, 9, 245-246.	6.4	0
18	Software Escalation Prediction Based on Deep Learning in the Cognitive Internet of Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 25408-25418.	8.0	12

#	ARTICLE	IF	CITATIONS
19	IoT Platforms and Security: An Analysis of the Leading Industrial/Commercial Solutions. <i>Sensors</i> , 2022, 22, 2196.	3.8	20
20	A Two-level Integrated Approach for Assigning Trust Metrics to Internet of Things Devices. , 2022, , .		1
21	A Methodology and Simulation-Based Toolchain for Estimating Deployment Performance of Smart Collective Services at the Edge. <i>IEEE Internet of Things Journal</i> , 2022, 9, 20136-20148.	8.7	12
22	Computational Aspects in BSN-Based Wearable Computing Systems: From Raw-Data Collection to High-Level Data Analysis. , 2022, , .		0
23	Situation-Aware Sensor-Based Wearable Computing Systems: A Reference Architecture-Driven Review. <i>IEEE Sensors Journal</i> , 2022, 22, 13853-13863.	4.7	10
24	AI-Driven Intelligent Vehicle Behavior Decision in Software Defined Internet of Vehicle. , 2022, , .		0
25	Path planning for vehicle platoons under routing decisions: a distributed approach combining Deep Reinforcement Learning and Model Predictive Control. , 2022, , .		5
26	IoT-Based Smart Health System for Ambulatory Maternal and Fetal Monitoring. <i>IEEE Internet of Things Journal</i> , 2021, 8, 16814-16824.	8.7	26
27	A framework for anomaly detection and classification in Multiple IoT scenarios. <i>Future Generation Computer Systems</i> , 2021, 114, 322-335.	7.5	67
28	Deep learning for pedestrian collective behavior analysis in smart cities: A model of group trajectory outlier detection. <i>Information Fusion</i> , 2021, 65, 13-20.	19.1	93
29	An Adaptive Trust Boundary Protection for IIoT Networks Using Deep-Learning Feature-Extraction-Based Semisupervised Model. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 2860-2870.	11.3	42
30	Clustering-Learning-Based Long-Term Predictive Localization in 5G-Envisioned Internet of Connected Vehicles. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021, 22, 5232-5246.	8.0	17
31	Smart anomaly detection in sensor systems: A multi-perspective review. <i>Information Fusion</i> , 2021, 67, 64-79.	19.1	123
32	Distributed task allocation in Mobile Device Cloud exploiting federated learning and subjective logic. <i>Journal of Systems Architecture</i> , 2021, 113, 101972.	4.3	17
33	Distributed Learning for Vehicle Routing Decision in Software Defined Internet of Vehicles. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021, 22, 3730-3741.	8.0	34
34	Simulation-Driven Platform for Edge-Based AAL Systems. <i>IEEE Journal on Selected Areas in Communications</i> , 2021, 39, 446-462.	14.0	30
35	A Collaborative BSN-Enabled Architecture for Multi-user Activity Recognition. <i>Internet of Things</i> , 2021, , 103-119.	1.7	1
36	Editorial: Cardiovascular Physiology and Medical Assessments: Physics and Engineering Perspectives. <i>Frontiers in Physics</i> , 2021, 8, .	2.1	0

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37	Queueing Theory based Vehicular Traffic Management System through Jackson Network Model and Optimization. IEEE Access, 2021, , 1-1.	4.2	4
38	Internet of Things as System of Systems: A Review of Methodologies, Frameworks, Platforms, and Tools. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 223-236.	9.3	148
39	Depression Analysis and Recognition Based on Functional Near-Infrared Spectroscopy. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 4289-4299.	6.3	22
40	FallDeF5: A Fall Detection Framework Using 5G-Based Deep Gated Recurrent Unit Networks. IEEE Access, 2021, 9, 94299-94308.	4.2	11
41	A survey on deep learning in medicine: Why, how and when?. Information Fusion, 2021, 66, 111-137.	19.1	188
42	A Simulation-driven Methodology for IoT Data Mining Based on Edge Computing. ACM Transactions on Internet Technology, 2021, 21, 1-22.	4.4	65
43	Energy-efficient scheduling of small cells in 5G: A meta-heuristic approach. Journal of Network and Computer Applications, 2021, 178, 102986.	9.1	21
44	AI-Driven Collaborative Resource Allocation for Task Execution in 6G-Enabled Massive IoT. IEEE Internet of Things Journal, 2021, 8, 5264-5273.	8.7	27
45	A blockchain-based group formation strategy for optimizing the social reputation capital of an IoT scenario. Simulation Modelling Practice and Theory, 2021, 108, 102261.	3.8	6
46	Supervised feature selection techniques in network intrusion detection: A critical review. Engineering Applications of Artificial Intelligence, 2021, 101, 104216.	8.1	71
47	Multi-body sensor data fusion to evaluate the hippotherapy for motor ability improvement in children with cerebral palsy. Information Fusion, 2021, 70, 115-128.	19.1	8
48	Wearable Body Sensor Networks: State-of-the-Art and Research Directions. IEEE Sensors Journal, 2021, 21, 12511-12522.	4.7	38
49	A Multi-sensor based Method for Self-isolated Patient Monitoring. , 2021, , .		3
50	A selection framework of sensor combination feature subset for human motion phase segmentation. Information Fusion, 2021, 70, 1-11.	19.1	13
51	Towards Collaborative Robotics in Top View Surveillance: A Framework for Multiple Object Tracking by Detection Using Deep Learning. IEEE/CAA Journal of Automatica Sinica, 2021, 8, 1253-1270.	13.1	46
52	EWPS: Emergency Data Communication in the Internet of Medical Things. IEEE Internet of Things Journal, 2021, 8, 11345-11356.	8.7	12
53	ANFIS fusion algorithm for eye movement recognition via soft multi-functional electronic skin. Information Fusion, 2021, 71, 99-108.	19.1	17
54	A UWB Radar-based Approach of Detecting Vital Signals. , 2021, , .		4

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55	Special Issue on Methods and Infrastructures for Data Mining at the Edge of Internet of Things. IEEE Internet of Things Journal, 2021, 8, 10220-10221.	8.7	4
56	A Real-Time Edge Scheduling and Adjustment Framework for Highly Customizable Factories. IEEE Transactions on Industrial Informatics, 2021, 17, 5625-5634.	11.3	10
57	A trusted consensus fusion scheme for decentralized collaborated learning in massive IoT domain. Information Fusion, 2021, 72, 100-109.	19.1	24
58	An insight into crash avoidance and overtaking advice systems for Autonomous Vehicles: A review, challenges and solutions. Engineering Applications of Artificial Intelligence, 2021, 104, 104406.	8.1	30
59	Deep Learning and Blockchain with Edge Computing for 5G-Enabled Drone Identification and Flight Mode Detection. IEEE Network, 2021, 35, 94-100.	6.9	41
60	Toward robust and energy-efficient clustering wireless sensor networks: A double-stage scale-free topology evolution model. Computer Networks, 2021, 200, 108521.	5.1	14
61	A deep learning-based edge-fog-cloud framework for driving behavior management. Computers and Electrical Engineering, 2021, 96, 107573.	4.8	4
62	Trusted Object Framework (TOF): A clustering reputation-based approach using edge computing for sharing resources among IoT smart objects. Computers and Electrical Engineering, 2021, , 107568.	4.8	3
63	Introduction to Interoperability for Heterogeneous IoT Platforms. Internet of Things, 2021, , 1-26.	1.7	1
64	INTER-Meth: A Methodological Approach for the Integration of Heterogeneous IoT Systems. Internet of Things, 2021, , 195-230.	1.7	0
65	A low-cost Smart Farming prototype with Internet of Things (IoT) technologies and Edge Computing devices. , 2021, , .		1
66	A Multisensory Platform for Maximizing Collective Intelligence in the Operating Room. , 2021, , .		2
67	Optimal Dynamic Pricing for Trading-Off User Utility and Operator Profit in Smart Grid. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 455-467.	9.3	32
68	CMDP-based intelligent transmission for wireless body area network in remote health monitoring. Neural Computing and Applications, 2020, 32, 829-837.	5.6	19
69	A lightweight and cost effective edge intelligence architecture based on containerization technology. World Wide Web, 2020, 23, 1341-1360.	4.0	21
70	Using Blockchain in a Reputation-Based Model for Grouping Agents in the Internet of Things. IEEE Transactions on Engineering Management, 2020, 67, 1231-1243.	3.5	65
71	Gait-based identification for elderly users in wearable healthcare systems. Information Fusion, 2020, 53, 134-144.	19.1	75
72	Environment-fusion multipath routing protocol for wireless sensor networks. Information Fusion, 2020, 53, 4-19.	19.1	153

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73	Agent-based Internet of Things: State-of-the-art and research challenges. Future Generation Computer Systems, 2020, 102, 1038-1053.	7.5	150
74	Multi-level cluster-based satellite-terrestrial integrated communication in Internet of vehicles. Computer Communications, 2020, 149, 44-50.	5.1	9
75	Deep learning-based cardiovascular image diagnosis: A promising challenge. Future Generation Computer Systems, 2020, 110, 802-811.	7.5	121
76	Incentive evolutionary game model for opportunistic social networks. Future Generation Computer Systems, 2020, 102, 14-29.	7.5	19
77	A hybrid deep learning model for efficient intrusion detection in big data environment. Information Sciences, 2020, 513, 386-396.	6.9	217
78	Human-Like Hybrid Caching in Software-Defined Edge Cloud. IEEE Internet of Things Journal, 2020, 7, 5806-5815.	8.7	6
79	A Trust-Based Team Formation Framework for Mobile Intelligence in Smart Factories. IEEE Transactions on Industrial Informatics, 2020, 16, 6133-6142.	11.3	49
80	Editorial Special Issue on "AI-Driven Informatics, Sensing, Imaging and Big Data Analytics for Fighting the COVID-19 Pandemic". IEEE Journal of Biomedical and Health Informatics, 2020, 24, 2731-2732.	6.3	26
81	AI-enabled mobile multimedia service instance placement scheme in mobile edge computing. Computer Networks, 2020, 182, 107573.	5.1	34
82	EMG-based Abnormal Gait Detection and Recognition. , 2020, , .		14
83	An approach to compute the scope of a social object in a Multi-IoT scenario. Pervasive and Mobile Computing, 2020, 67, 101223.	3.3	27
84	ResIoT: An IoT social framework resilient to malicious activities. IEEE/CAA Journal of Automatica Sinica, 2020, 7, 1263-1278.	13.1	30
85	IEEE Access Special Section Editorial: Artificial Intelligence and Cognitive Computing for Communication and Network. IEEE Access, 2020, 8, 144105-144111.	4.2	1
86	Intelligent Sensory Pen for Aiding in the Diagnosis of Parkinson's Disease from Dynamic Handwriting Analysis. Sensors, 2020, 20, 5840.	3.8	14
87	Collaborative Environmental Monitoring through Teams of Trusted IoT devices. , 2020, , .		0
88	Soft multi-functional electronic skin for continuous eye motion monitoring. , 2020, , .		1
89	Smart Cushion-Based Activity Recognition: Prompting Users to Maintain a Healthy Seated Posture. IEEE Systems, Man, and Cybernetics Magazine, 2020, 6, 6-14.	1.4	5
90	IEEE Access Special Section Editorial: Wireless Body Area Networks. IEEE Access, 2020, 8, 149036-149040.	4.2	0

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91	Lifetime Maximization of Sensor Networks Through Optimal Data Collection Scheduling of Mobile Sink. IEEE Access, 2020, 8, 163878-163893.	4.2	12
92	A robust cyberattack detection approach using optimal features of SCADA power systems in smart grids. Applied Soft Computing Journal, 2020, 96, 106658.	7.2	40
93	Resilient control in large-scale networked cyber-physical systems: Guest editorial. IEEE/CAA Journal of Automatica Sinica, 2020, 7, 1201-1203.	13.1	7
94	E-ALPHA: Edge-based Assisted Living Platform for Home cAre. , 2020, , .		0
95	An Effective Bio-Signal-Based Driver Behavior Monitoring System Using a Generalized Deep Learning Approach. IEEE Access, 2020, 8, 135037-135049.	4.2	20
96	Trust Aspects of Internet of Things in the Context of 5G and Beyond. , 2020, , .		4
97	Using local trust measures to form agent CoT groups1. Intelligenza Artificiale, 2020, 14, 33-44.	1.6	1
98	Data-Driven Joint Resource Allocation in Large-scale Heterogeneous Wireless Networks. IEEE Network, 2020, 34, 163-169.	6.9	10
99	Multi-user activity recognition: Challenges and opportunities. Information Fusion, 2020, 63, 121-135.	19.1	86
100	IoMT-based computational approach for detecting brain tumor. Future Generation Computer Systems, 2020, 109, 360-367.	7.5	54
101	Topology optimization against cascading failures on wireless sensor networks using a memetic algorithm. Computer Networks, 2020, 177, 107327.	5.1	132
102	CNN-Based Health Model for Regular Health Factors Analysis in Internet-of-Medical Things Environment. IEEE Access, 2020, 8, 52541-52549.	4.2	66
103	An Improved Authentication Scheme for Remote Data Access and Sharing Over Cloud Storage in Cyber-Physical-Social-Systems. IEEE Access, 2020, 8, 47144-47160.	4.2	33
104	Stretchable Human Machine Interface Based on Smart Glove Embedded With PDMS-CB Strain Sensors. IEEE Sensors Journal, 2020, 20, 8073-8081.	4.7	41
105	Task Offloading and Resource Allocation for Mobile Edge Computing by Deep Reinforcement Learning Based on SARSA. IEEE Access, 2020, 8, 54074-54084.	4.2	185
106	Continuous blood pressure measurement from one-channel electrocardiogram signal using deep-learning techniques. Artificial Intelligence in Medicine, 2020, 108, 101919.	6.5	78
107	Evaluating group formation in virtual communities. IEEE/CAA Journal of Automatica Sinica, 2020, 7, 1003-1015.	13.1	14
108	A meritocratic trust-based group formation in an IoT environment for smart cities. Future Generation Computer Systems, 2020, 108, 34-45.	7.5	21

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109	A multi-agent autonomous intersection management (MA-AIM) system for smart cities leveraging edge-of-things and Blockchain. <i>Information Sciences</i> , 2020, 522, 148-163.	6.9	37
110	Preface to Special Issue on Wireless Body Area Networks: Based on Bodynets 2018 Conference. <i>International Journal of Wireless Information Networks</i> , 2020, 27, 1-3.	2.7	2
111	Trust and Reputation in the Internet of Things: State-of-the-Art and Research Challenges. <i>IEEE Access</i> , 2020, 8, 60117-60125.	4.2	65
112	Service modeling for opportunistic edge computing systems with feature engineering. <i>Computer Communications</i> , 2020, 157, 308-319.	5.1	11
113	Using Blockchain for Reputation-Based Cooperation in Federated IoT Domains. <i>Studies in Computational Intelligence</i> , 2020, , 3-12.	0.9	0
114	Opportunistic IoT Service to Support Safety Driving from Heterogeneous Data Sources. <i>EAI/Springer Innovations in Communication and Computing</i> , 2020, , 131-143.	1.1	0
115	Driving Operation Recognition Using Smart Cushion Based on Deep Neural Network. <i>EAI/Springer Innovations in Communication and Computing</i> , 2020, , 325-338.	1.1	0
116	An Edge-Based Architecture to Support Efficient Applications for Healthcare Industry 4.0. <i>IEEE Transactions on Industrial Informatics</i> , 2019, 15, 481-489.	11.3	279
117	Body Sensor Network-Based Robust Gait Analysis: Toward Clinical and at Home Use. <i>IEEE Sensors Journal</i> , 2019, 19, 8393-8401.	4.7	28
118	Autonomic computation offloading in mobile edge for IoT applications. <i>Future Generation Computer Systems</i> , 2019, 90, 149-157.	7.5	165
119	Heading Drift Reduction for Foot-Mounted Inertial Navigation System via Multi-Sensor Fusion and Dual-Gait Analysis. <i>IEEE Sensors Journal</i> , 2019, 19, 8514-8521.	4.7	71
120	Swarm Intelligence and IoT-Based Smart Cities: A Review. <i>Internet of Things</i> , 2019, , 177-200.	1.7	21
121	Secure distributed adaptive bin packing algorithm for cloud storage. <i>Future Generation Computer Systems</i> , 2019, 90, 307-316.	7.5	25
122	INTER-Health: An Interoperable IoT Solution for Active and Assisted Living Healthcare Services. , 2019, , .		27
123	Intelligence at the Edge of Complex Networks: The Case of Cognitive Transmission Power Control. <i>IEEE Wireless Communications</i> , 2019, 26, 97-103.	9.0	26
124	Fluidware: An Approach Towards Adaptive and Scalable Programming of the IoT. <i>Lecture Notes in Computer Science</i> , 2019, , 411-427.	1.3	1
125	Optimal Selection of Crowdsourcing Workers Balancing Their Utilities and Platform Profit. <i>IEEE Internet of Things Journal</i> , 2019, 6, 8602-8614.	8.7	43
126	An Experimental-Based Review of Image Enhancement and Image Restoration Methods for Underwater Imaging. <i>IEEE Access</i> , 2019, 7, 140233-140251.	4.2	151



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127	Data Mining at the IoT Edge. , 2019, , .		27
128	IoT Services Deployment over Edge vs Cloud Systems: a Simulation-based Analysis. , 2019, , .		9
129	Towards Adaptive Flow Programming for the IoT: The Fluidware Approach. , 2019, , .		0
130	An AI Approach to Collecting and Analyzing Human Interactions With Urban Environments. IEEE Access, 2019, 7, 141476-141486.	4.2	5
131	IoT-HC: A Novel IoT Architecture for the Hybrid Cloud. , 2019, , .		0
132	MGPV: A novel and efficient scheme for secure data sharing among mobile users in the public cloud. Future Generation Computer Systems, 2019, 95, 560-569.	7.5	5
133	Applying an ensemble convolutional neural network with Savitzky-Golay filter to construct a phonocardiogram prediction model. Applied Soft Computing Journal, 2019, 78, 29-40.	7.2	90
134	A development approach for collective opportunistic Edge-of-Things services. Information Sciences, 2019, 498, 154-169.	6.9	60
135	Intelligent temporal classification and fuzzy rough set-based feature selection algorithm for intrusion detection system in WSNs. Information Sciences, 2019, 497, 77-90.	6.9	77
136	A Hybrid Feature Extraction Method With Regularized Extreme Learning Machine for Brain Tumor Classification. IEEE Access, 2019, 7, 36266-36273.	4.2	244
137	A Dynamic Service Migration Mechanism in Edge Cognitive Computing. ACM Transactions on Internet Technology, 2019, 19, 1-15.	4.4	134
138	A novel machine learning based feature selection for motor imagery EEG signal classification in Internet of medical things environment. Future Generation Computer Systems, 2019, 98, 419-434.	7.5	79
139	Lightweight Reinforcement Learning for Energy Efficient Communications in Wireless Sensor Networks. IEEE Access, 2019, 7, 29355-29364.	4.2	84
140	Edge-Based Microservices Architecture for Internet of Things: Mobility Analysis Case Study. , 2019, , .		11
141	Guest Editorial Special Issue on Next-Generation Smart Body Sensor Networks: From Autonomic Body Sensors to Cognitive Body Sensor Network Ecosystems. IEEE Sensors Journal, 2019, 19, 8370-8370.	4.7	1
142	A Reputation Capital and Blockchain-based Model to Support Group Formation Processes in the Internet of Things. , 2019, , .		2
143	A Density-Based Decision-Making Data Fusion Method for Multiapplication Wireless Sensor Networks. , 2019, , .		0
144	A Smartphone-Enabled Fall Detection Framework for Elderly People in Connected Home Healthcare. IEEE Network, 2019, 33, 58-63.	6.9	97

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145	Quality of Service Optimization in an IoT-Driven Intelligent Transportation System. IEEE Wireless Communications, 2019, 26, 10-17.	9.0	117
146	Modelling and simulation of Opportunistic IoT Services with Aggregate Computing. Future Generation Computer Systems, 2019, 91, 252-262.	7.5	121
147	WSNs-assisted opportunistic network for low-latency message forwarding in sparse settings. Future Generation Computer Systems, 2019, 91, 223-237.	7.5	101
148	Credibility in Online Social Networks: A Survey. IEEE Access, 2019, 7, 2828-2855.	4.2	69
149	Data-driven clustering for multimedia communication in Internet of vehicles. Future Generation Computer Systems, 2019, 94, 610-619.	7.5	22
150	Modeling multi-aspects within one opinionated sentence simultaneously for aspect-level sentiment analysis. Future Generation Computer Systems, 2019, 93, 304-311.	7.5	52
151	Human emotion recognition using deep belief network architecture. Information Fusion, 2019, 51, 10-18.	19.1	212
152	An efficient event matching system for semantic smart data in the Internet of Things (IoT) environment. Future Generation Computer Systems, 2019, 95, 163-174.	7.5	15
153	Short-long term anomaly detection in wireless sensor networks based on machine learning and multi-parameterized edit distance. Information Fusion, 2019, 52, 13-30.	19.1	80
154	A multi-sensor data fusion technique using data correlations among multiple applications. Future Generation Computer Systems, 2019, 92, 109-118.	7.5	30
155	An Embedded Risk Prediction System for Wheelchair Safety Driving. Internet of Things, 2019, , 149-163.	1.7	1
156	Using Sentiment Analysis and Automated Reasoning to Boost Smart Lighting Systems. Lecture Notes in Computer Science, 2019, , 69-78.	1.3	1
157	Using Trust and "Utility" for Group Formation in the Cloud of Things. Lecture Notes in Computer Science, 2019, , 112-122.	1.3	0
158	A Lévy Walk and Firefly Based Multi-Robots Foraging Algorithm. Lecture Notes in Computer Science, 2019, , 213-222.	1.3	2
159	Cognitive Internet of Vehicles. Computer Communications, 2018, 120, 58-70.	5.1	193
160	Special Issue on Service-Oriented Collaborative Computing and Applications. IEEE Transactions on Services Computing, 2018, 11, 277-278.	4.6	1
161	A hybrid-multi filter-wrapper framework to identify run-time behaviour for fast malware detection. Future Generation Computer Systems, 2018, 83, 193-207.	7.5	36
162	Agent-Oriented Cooperative Smart Objects: From IoT System Design to Implementation. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 1939-1956.	9.3	179

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163	A Mobility-Aware Optimal Resource Allocation Architecture for Big Data Task Execution on Mobile Cloud in Smart Cities. , 2018, 56, 110-117.		59
164	Workshop Networks Integration Using Mobile Intelligence in Smart Factories. , 2018, 56, 68-75.		28
165	Mining productive-periodic frequent patterns in tele-health systems. Journal of Network and Computer Applications, 2018, 115, 33-47.	9.1	16
166	A Novel Mobile and Hierarchical Data Transmission Architecture for Smart Factories. IEEE Transactions on Industrial Informatics, 2018, 14, 3534-3546.	11.3	49
167	Evaluating Critical Security Issues of the IoT World: Present and Future Challenges. IEEE Internet of Things Journal, 2018, 5, 2483-2495.	8.7	492
168	Agent-Based Computing in the Internet of Things: A Survey. Studies in Computational Intelligence, 2018, , 307-320.	0.9	20
169	People-Centric Cognitive Internet of Things for the Quantitative Analysis of Environmental Exposure. IEEE Internet of Things Journal, 2018, 5, 2353-2366.	8.7	42
170	Environment-Cognitive Multipath Routing Protocol in Wireless Sensor Networks. , 2018, , .		3
171	Posture and Gesture Analysis Supporting Emotional Activity Recognition. , 2018, , .		5
172	Cost Efficient Edge Intelligence Framework Using Docker Containers. , 2018, , .		23
173	Developing Agent-Based Smart Objects for IoT Edge Computing: Mobile Crowdsensing Use Case. Lecture Notes in Computer Science, 2018, , 235-247.	1.3	5
174	An Emerging Wearable World: New Gadgets Produce a Rising Tide of Changes and Challenges. IEEE Systems, Man, and Cybernetics Magazine, 2018, 4, 6-14.	1.4	34
175	Forming Groups in the Cloud of Things Using Trust Measures. Studies in Computational Intelligence, 2018, , 298-308.	0.9	0
176	Software Defined Wireless Sensor Networks: A Review. , 2018, , .		7
177	Starfish routing for sensor networks with mobile sink. Journal of Network and Computer Applications, 2018, 123, 11-22.	9.1	40
178	A Metamodel Framework for Edge-Based Smart Environments. , 2018, , .		4
179	Security and trust issues in Fog computing: A survey. Future Generation Computer Systems, 2018, 88, 16-27.	7.5	289
180	PEA: Parallel electrocardiogram-based authentication for smart healthcare systems. Journal of Network and Computer Applications, 2018, 117, 10-16.	9.1	140

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181	A Methodology for Integrating Internet of Things Platforms. , 2018, , .		5
182	Recognition of human fall events based on single tri-axial gyroscope. , 2018, , .		11
183	Cataloging Design Patterns for Internet of Things Artifact Integration. , 2018, , .		11
184	Message from the Globe-IoT 2018 Workshop Chairs. , 2018, , .		0
185	Exploiting the SEM Framework for Modeling Smart Cities. Lecture Notes in Computer Science, 2018, , 95-106.	1.3	2
186	A collaborative task-oriented scheduling driven routing approach for industrial IoT based on mobile devices. Ad Hoc Networks, 2018, 81, 86-99.	5.5	17
187	Edge Computing-Enabled Body Area Networks. , 2018, , .		6
188	Towards a Reference Architecture for Swarm Intelligence-Based Internet of Things. Lecture Notes in Computer Science, 2018, , 75-86.	1.3	3
189	Opportunistic cyberphysical services: A novel paradigm for the future Internet of Things. , 2018, , .		10
190	Using trust and local reputation for group formation in the Cloud of Things. Future Generation Computer Systems, 2018, 89, 804-815.	7.5	45
191	Swarm intelligence-based algorithms within IoT-based systems: A review. Journal of Parallel and Distributed Computing, 2018, 122, 173-187.	4.1	99
192	Guest Editorial Special Issue on Emerging Social Internet of Things: Recent Advances and Applications. IEEE Internet of Things Journal, 2018, 5, 2478-2482.	8.7	1
193	Guest Editorial Special Issue on Cognitive Internet of Things. IEEE Internet of Things Journal, 2018, 5, 2259-2262.	8.7	10
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