

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-sensor fusion in body sensor networks: State-of-the-art and research challenges. Information Fusion, 2017, 35, 68-80.	19.1	695
2	Evaluating Critical Security Issues of the IoT World: Present and Future Challenges. IEEE Internet of Things Journal, 2018, 5, 2483-2495.	8.7	492
3	Enabling Effective Programming and Flexible Management of Efficient Body Sensor Network Applications. IEEE Transactions on Human-Machine Systems, 2013, 43, 115-133.	3.5	377
4	A framework for collaborative computing and multi-sensor data fusion in body sensor networks. Information Fusion, 2015, 22, 50-70.	19.1	308
5	Security and trust issues in Fog computing: A survey. Future Generation Computer Systems, 2018, 88, 16-27.	7.5	289
6	An Edge-Based Architecture to Support Efficient Applications for Healthcare Industry 4.0. IEEE Transactions on Industrial Informatics, 2019, 15, 481-489.	11.3	279
7	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
8	A Hybrid Feature Extraction Method With Regularized Extreme Learning Machine for Brain Tumor Classification. IEEE Access, 2019, 7, 36266-36273.	4.2	244
9	Enabling IoT interoperability through opportunistic smartphone-based mobile gateways. Journal of Network and Computer Applications, 2017, 81, 74-84.	9.1	241
10	BodyCloud: A SaaS approach for community Body Sensor Networks. Future Generation Computer Systems, 2014, 35, 62-79.	7.5	234
11	A hybrid deep learning model for efficient intrusion detection in big data environment. Information Sciences, 2020, 513, 386-396.	6.9	217
12	Human emotion recognition using deep belief network architecture. Information Fusion, 2019, 51, 10-18.	19.1	212
13	Wireless MEMS-Based Accelerometer Sensor Boards for Structural Vibration Monitoring: A Review. IEEE Sensors Journal, 2017, 17, 226-235.	4.7	210
14	Enhanced Fingerprinting and Trajectory Prediction for IoT Localization in Smart Buildings. IEEE Transactions on Automation Science and Engineering, 2016, 13, 1294-1307.	5.2	204
15	Cognitive Internet of Vehicles. Computer Communications, 2018, 120, 58-70.	5.1	193
16	A survey on deep learning in medicine: Why, how and when?. Information Fusion, 2021, 66, 111-137.	19.1	188
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Autonomic computation offloading in mobile edge for IoT applications. <i>Future Generation Computer Systems</i> , 2019, 90, 149-157.	7.5	165
20	Internet of Things Based on Smart Objects. <i>Internet of Things</i> , 2014, .	1.7	160
21	Environment-fusion multipath routing protocol for wireless sensor networks. <i>Information Fusion</i> , 2020, 53, 4-19.	19.1	153
22	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
23	Agent-based Internet of Things: State-of-the-art and research challenges. <i>Future Generation Computer Systems</i> , 2020, 102, 1038-1053.	7.5	150
24	Internet of Things as System of Systems: A Review of Methodologies, Frameworks, Platforms, and Tools. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 223-236.	9.3	148
25	Cloud-assisted body area networks: state-of-the-art and future challenges. <i>Wireless Networks</i> , 2014, 20, 1925-1938.	3.0	147
26	PEA: Parallel electrocardiogram-based authentication for smart healthcare systems. <i>Journal of Network and Computer Applications</i> , 2018, 117, 10-16.	9.1	140
27	A Dynamic Service Migration Mechanism in Edge Cognitive Computing. <i>ACM Transactions on Internet Technology</i> , 2019, 19, 1-15.	4.4	134
28	Topology optimization against cascading failures on wireless sensor networks using a memetic algorithm. <i>Computer Networks</i> , 2020, 177, 107327.	5.1	132
29	Smart anomaly detection in sensor systems: A multi-perspective review. <i>Information Fusion</i> , 2021, 67, 64-79.	19.1	123
30	Modelling and simulation of Opportunistic IoT Services with Aggregate Computing. <i>Future Generation Computer Systems</i> , 2019, 91, 252-262.	7.5	121
31	Deep learning-based cardiovascular image diagnosis: A promising challenge. <i>Future Generation Computer Systems</i> , 2020, 110, 802-811.	7.5	121
32	From Modeling to Implementation of Virtual Sensors in Body Sensor Networks. <i>IEEE Sensors Journal</i> , 2012, 12, 583-593.	4.7	117
33	Quality of Service Optimization in an IoT-Driven Intelligent Transportation System. <i>IEEE Wireless Communications</i> , 2019, 26, 10-17.	9.0	117
34	Facial Expression Recognition Utilizing Local Direction-Based Robust Features and Deep Belief Network. <i>IEEE Access</i> , 2017, 5, 4525-4536.	4.2	116
35	Emotion Communication System. <i>IEEE Access</i> , 2017, 5, 326-337.	4.2	116
36	A Hybrid Feature Selection With Ensemble Classification for Imbalanced Healthcare Data: A Case Study for Brain Tumor Diagnosis. <i>IEEE Access</i> , 2016, 4, 9145-9154.	4.2	114

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37	A flexible building management framework based on wireless sensor and actuator networks. Journal of Network and Computer Applications, 2012, 35, 1934-1952.	9.1	109
38	Integration of agent-based and Cloud Computing for the smart objects-oriented IoT. , 2014, , .		105
39	WSNs-assisted opportunistic network for low-latency message forwarding in sparse settings. Future Generation Computer Systems, 2019, 91, 223-237.	7.5	101
40	Cloud-based Activity-as-a-Service cyber-physical framework for human activity monitoring in mobility. Future Generation Computer Systems, 2017, 75, 158-171.	7.5	99
41	Swarm intelligence-based algorithms within IoT-based systems: A review. Journal of Parallel and Distributed Computing, 2018, 122, 173-187.	4.1	99
42	A Smartphone-Enabled Fall Detection Framework for Elderly People in Connected Home Healthcare. IEEE Network, 2019, 33, 58-63.	6.9	97
43	BodyCloud: Integration of Cloud Computing and body sensor networks. , 2012, , .		94
44	Deep learning for pedestrian collective behavior analysis in smart cities: A model of group trajectory outlier detection. Information Fusion, 2021, 65, 13-20.	19.1	93
45	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
46	On the Design of Smart Homes: A Framework for Activity Recognition in Home Environment. Journal of Medical Systems, 2016, 40, 200.	3.6	87
47	Multi-user activity recognition: Challenges and opportunities. Information Fusion, 2020, 63, 121-135.	19.1	86
48	Posture Detection Based on Smart Cushion for Wheelchair Users. Sensors, 2017, 17, 719.	3.8	85
49	A Java-Based Agent Platform for Programming Wireless Sensor Networks. Computer Journal, 2011, 54, 439-454.	2.4	84
50	SPINE: a domain-specific framework for rapid prototyping of WBSN applications. Software - Practice and Experience, 2011, 41, 237-265.	3.6	84
51	Kernel fusion based extreme learning machine for cross-location activity recognition. Information Fusion, 2017, 37, 1-9.	19.1	84
52	Lightweight Reinforcement Learning for Energy Efficient Communications in Wireless Sensor Networks. IEEE Access, 2019, 7, 29355-29364.	4.2	84
53	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
54	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

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55	Continuous blood pressure measurement from one-channel electrocardiogram signal using deep-learning techniques. <i>Artificial Intelligence in Medicine</i> , 2020, 108, 101919.	6.5	78
56	Modeling and Simulating Internet-of-Things Systems: A Hybrid Agent-Oriented Approach. <i>Computing in Science and Engineering</i> , 2017, 19, 68-76.	1.2	77
57	Intelligent temporal classification and fuzzy rough set-based feature selection algorithm for intrusion detection system in WSNs. <i>Information Sciences</i> , 2019, 497, 77-90.	6.9	77
58	Gait-based identification for elderly users in wearable healthcare systems. <i>Information Fusion</i> , 2020, 53, 134-144.	19.1	75
59	Agent-oriented smart objects development. , 2012, , .		74
60	Automatic Methods for the Detection of Accelerative Cardiac Defense Response. <i>IEEE Transactions on Affective Computing</i> , 2016, 7, 286-298.	8.3	73
61	Towards Multi-layer Interoperability of Heterogeneous IoT Platforms: The INTER-IoT Approach. <i>Internet of Things</i> , 2018, , 199-232.	1.7	72
62	A facial expression recognition system using robust face features from depth videos and deep learning. <i>Computers and Electrical Engineering</i> , 2017, 63, 114-125.	4.8	71
63	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
64	Supervised feature selection techniques in network intrusion detection: A critical review. <i>Engineering Applications of Artificial Intelligence</i> , 2021, 101, 104216.	8.1	71
65	Credibility in Online Social Networks: A Survey. <i>IEEE Access</i> , 2019, 7, 2828-2855.	4.2	69
66	Power-Aware Activity Monitoring Using Distributed Wearable Sensors. <i>IEEE Transactions on Human-Machine Systems</i> , 2014, 44, 537-544.	3.5	68
67	A framework for anomaly detection and classification in Multiple IoT scenarios. <i>Future Generation Computer Systems</i> , 2021, 114, 322-335.	7.5	67
68	PPG-based methods for non invasive and continuous blood pressure measurement: an overview and development issues in body sensor networks. , 2010, , .		66
69	CNN-Based Health Model for Regular Health Factors Analysis in Internet-of-Medical Things Environment. <i>IEEE Access</i> , 2020, 8, 52541-52549.	4.2	66
70	Using Blockchain in a Reputation-Based Model for Grouping Agents in the Internet of Things. <i>IEEE Transactions on Engineering Management</i> , 2020, 67, 1231-1243.	3.5	65
71	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
72	A Simulation-driven Methodology for IoT Data Mining Based on Edge Computing. <i>ACM Transactions on Internet Technology</i> , 2021, 21, 1-22.	4.4	65

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73	Decentralized Time-Synchronized Channel Swapping for Ad Hoc Wireless Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 8538-8553.	6.3	64
74	Middleware for Smart Objects and Smart Environments: Overview and Comparison. Internet of Things, 2014, , 1-27.	1.7	61
75	A development approach for collective opportunistic Edge-of-Things services. Information Sciences, 2019, 498, 154-169.	6.9	60
76	An agent-based signal processing in-node environment for real-time human activity monitoring based on wireless body sensor networks. Engineering Applications of Artificial Intelligence, 2011, 24, 1147-1161.	8.1	59
77	A Mobility-Aware Optimal Resource Allocation Architecture for Big Data Task Execution on Mobile Cloud in Smart Cities. , 2018, 56, 110-117.		59
78	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
79	Security and Privacy in Molecular Communication and Networking: Opportunities and Challenges. IEEE Transactions on Nanobioscience, 2014, 13, 198-207.	3.3	58
80	Fault tolerant decentralised -Means clustering for asynchronous large-scale networks. Journal of Parallel and Distributed Computing, 2013, 73, 317-329.	4.1	57
81	A Mobile Multi-Technology Gateway to Enable IoT Interoperability. , 2016, , .		56
82	Managing Data and Processes in Cloud-Enabled Large-Scale Sensor Networks: State-of-the-Art and Future Research Directions. , 2013, , .		55
83	ELDAMeth: An agent-oriented methodology for simulation-based prototyping of distributed agent systems. Information and Software Technology, 2012, 54, 608-624.	4.4	54
84	IoMT-based computational approach for detecting brain tumor. Future Generation Computer Systems, 2020, 109, 360-367.	7.5	54
85	Modeling multi-aspects within one opinionated sentence simultaneously for aspect-level sentiment analysis. Future Generation Computer Systems, 2019, 93, 304-311.	7.5	52
86	Vehicle Route Selection Based on Game Evolution in Social Internet of Vehicles. IEEE Internet of Things Journal, 2018, 5, 2423-2430.	8.7	51
87	A Novel Mobile and Hierarchical Data Transmission Architecture for Smart Factories. IEEE Transactions on Industrial Informatics, 2018, 14, 3534-3546.	11.3	49
88	A Trust-Based Team Formation Framework for Mobile Intelligence in Smart Factories. IEEE Transactions on Industrial Informatics, 2020, 16, 6133-6142.	11.3	49
89	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
90	Metamodeling of Smart Environments: from design to implementation. Advanced Engineering Informatics, 2017, 33, 274-284.	8.0	47

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91	SPINE2: developing BSN applications on heterogeneous sensor nodes. , 2009, , .		46
92	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
93	A Novel Wireless Accelerometer Board for Measuring Low-Frequency and Low-Amplitude Structural Vibration. IEEE Sensors Journal, 2016, 16, 2942-2949.	4.7	45
94	Using trust and local reputation for group formation in the Cloud of Things. Future Generation Computer Systems, 2018, 89, 804-815.	7.5	45
95	SPINE-HRV: A BSN-Based Toolkit for Heart Rate Variability Analysis in the Time-Domain. Lecture Notes in Electrical Engineering, 2010, , 369-389.	0.4	44
96	Optimal Selection of Crowdsourcing Workers Balancing Their Utilities and Platform Profit. IEEE Internet of Things Journal, 2019, 6, 8602-8614.	8.7	43
97	Platform-independent development of collaborative wireless body sensor network applications: SPINE2. , 2009, , .		42
98	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
99	An Adaptive Trust Boundary Protection for IIoT Networks Using Deep-Learning Feature-Extraction-Based Semisupervised Model. IEEE Transactions on Industrial Informatics, 2021, 17, 2860-2870.	11.3	42
100	Towards a Development Methodology for Smart Object-Oriented IoT Systems: A Metamodel Approach. , 2015, , .		41
101	Sample Size Determination Algorithm for fingerprint-based indoor localization systems. Computer Networks, 2016, 101, 169-177.	5.1	41
102	Stretchable Human Machine Interface Based on Smart Glove Embedded With PDMS-CB Strain Sensors. IEEE Sensors Journal, 2020, 20, 8073-8081.	4.7	41
103	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
104	Achieving Mobile Agent Systems interoperability through software layering. Information and Software Technology, 2008, 50, 322-341.	4.4	40
105	Starfish routing for sensor networks with mobile sink. Journal of Network and Computer Applications, 2018, 123, 11-22.	9.1	40
106	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
107	A statecharts-based software development process for mobile agents. Information and Software Technology, 2004, 46, 907-921.	4.4	39
108	Wearable Body Sensor Networks: State-of-the-Art and Research Directions. IEEE Sensors Journal, 2021, 21, 12511-12522.	4.7	38

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109	A multi-agent autonomous intersection management (MA-AIM) system for smart cities leveraging edge-of-things and Blockchain. Information Sciences, 2020, 522, 148-163.	6.9	37
110	Development of Body Sensor Network applications using SPINE. Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics, 2008, .	0.0	36
111	A Task-Oriented Framework for Networked Wearable Computing. IEEE Transactions on Automation Science and Engineering, 2016, 13, 621-638.	5.2	36
112	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
113	Using event-driven lightweight DSC-based agents for MAS modelling. International Journal of Agent Oriented Software Engineering, 2010, 4, 113.	0.4	35
114	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
115	A Decision-Level Fusion Method for COVID-19 Patient Health Prediction. Big Data Research, 2022, 27, 100287.	4.2	35
116	Towards interoperable, cognitive and autonomic IoT systems: An agent-based approach. , 2016, , .		34
117	An Emerging Wearable World: New Gadgetry Produces a Rising Tide of Changes and Challenges. IEEE Systems, Man, and Cybernetics Magazine, 2018, 4, 6-14.	1.4	34
118	AI-enabled mobile multimedia service instance placement scheme in mobile edge computing. Computer Networks, 2020, 182, 107573.	5.1	34
119	Distributed Learning for Vehicle Routing Decision in Software Defined Internet of Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 3730-3741.	8.0	34
120	Using P2P, GRID and Agent technologies for the development of content distribution networks. Future Generation Computer Systems, 2008, 24, 180-190.	7.5	33
121	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
122	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
123	CDN-Supported Collaborative Media Streaming Control. IEEE MultiMedia, 2007, 14, 60-71.	1.7	31
124	Activity Level Assessment Using a Smart Cushion for People with a Sedentary Lifestyle. Sensors, 2017, 17, 2269.	3.8	31
125	A multi-sensor data fusion technique using data correlations among multiple applications. Future Generation Computer Systems, 2019, 92, 109-118.	7.5	30
126	ResIoT: An IoT social framework resilient to malicious activities. IEEE/CAA Journal of Automatica Sinica, 2020, 7, 1263-1278.	13.1	30

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127	Simulation-Driven Platform for Edge-Based AAL Systems. IEEE Journal on Selected Areas in Communications, 2021, 39, 446-462.	14.0	30
128	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
129	A Framework for Creating Healthcare Monitoring Applications Using Wireless Body Sensor Networks. , 2008, , .		30
130	PASSIM: a simulation-based process for the development of multi-agent systems. International Journal of Agent Oriented Software Engineering, 2008, 2, 132.	0.4	29
131	An efficient and robust content delivery solution for IEEE 802.11p vehicular environments. Journal of Network and Computer Applications, 2012, 35, 753-762.	9.1	29
132	Real-time risk monitoring in business processes: A sensor-based approach. Journal of Systems and Software, 2013, 86, 2939-2965.	4.5	29
133	Multi-Agent Foraging: state-of-the-art and research challenges. Complex Adaptive Systems Modeling, 2017, 5, .	1.6	29
134	A fault-tolerant self-organizing flocking approach for UAV aerial survey. Journal of Network and Computer Applications, 2017, 96, 14-30.	9.1	29
135	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
136	Empowering smart cities through interoperable Sensor Network Enablers. , 2014, , .		28
137	Workshop Networks Integration Using Mobile Intelligence in Smart Factories. , 2018, 56, 68-75.		28
138	Body Sensor Network-Based Robust Gait Analysis: Toward Clinical and at Home Use. IEEE Sensors Journal, 2019, 19, 8393-8401.	4.7	28
139	Multicast control of mobile measurement systems. IEEE Transactions on Instrumentation and Measurement, 1998, 47, 1149-1154.	4.7	27
140	INTER-Health: An Interoperable IoT Solution for Active and Assisted Living Healthcare Services. , 2019, , .		27
141	Data Mining at the IoT Edge. , 2019, , .		27
142	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
143	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
144	A Mission-Oriented Coordination Framework for Teams of Mobile Aerial and Terrestrial Smart Objects. Mobile Networks and Applications, 2016, 21, 708-725.	3.3	26

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145	Intelligence at the Edge of Complex Networks: The Case of Cognitive Transmission Power Control. IEEE Wireless Communications, 2019, 26, 97-103.	9.0	26
146	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
147	IoT-Based Smart Health System for Ambulatory Maternal and Fetal Monitoring. IEEE Internet of Things Journal, 2021, 8, 16814-16824.	8.7	26
148	Guest Editorial Special Section on Advances and Applications of Internet of Things for Smart Automated Systems. IEEE Transactions on Automation Science and Engineering, 2016, 13, 1225-1229.	5.2	25
149	Secure distributed adaptive bin packing algorithm for cloud storage. Future Generation Computer Systems, 2019, 90, 307-316.	7.5	25
150	QL-MAC: A Q-Learning Based MAC for Wireless Sensor Networks. Lecture Notes in Computer Science, 2013, , 267-275.	1.3	25
151	Fall-MobileGuard: a Smart Real-Time Fall Detection System. , 2015, , .		25
152	Enabling Multiple BSN Applications Using the SPINE Framework. , 2010, , .		24
153	Agents Meet the IoT: Toward Ecosystems of Networked Smart Objects. IEEE Systems, Man, and Cybernetics Magazine, 2016, 2, 43-47.	1.4	24
154	A trusted consensus fusion scheme for decentralized collaborated learning in massive IoT domain. Information Fusion, 2021, 72, 100-109.	19.1	24
155	Cost Efficient Edge Intelligence Framework Using Docker Containers. , 2018, , .		23
156	Autonomic and Cognitive Architectures for the Internet of Things. Lecture Notes in Computer Science, 2015, , 39-47.	1.3	23
157	History-Aware, Real-Time Risk Detection in Business Processes. Lecture Notes in Computer Science, 2011, , 100-118.	1.3	22
158	A Neuro-Fuzzy Fatigue-Tracking and Classification System for Wheelchair Users. IEEE Access, 2017, 5, 19420-19431.	4.2	22
159	Data-driven clustering for multimedia communication in Internet of vehicles. Future Generation Computer Systems, 2019, 94, 610-619.	7.5	22
160	Depression Analysis and Recognition Based on Functional Near-Infrared Spectroscopy. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 4289-4299.	6.3	22
161	Toward opportunistic services for the industrial Internet of Things. , 2017, , .		21
162	Swarm Intelligence and IoT-Based Smart Cities: A Review. Internet of Things, 2019, , 177-200.	1.7	21

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163	A lightweight and cost effective edge intelligence architecture based on containerization technology. World Wide Web, 2020, 23, 1341-1360.	4.0	21
164	A meritocratic trust-based group formation in an IoT environment for smart cities. Future Generation Computer Systems, 2020, 108, 34-45.	7.5	21
165	Energy-efficient scheduling of small cells in 5G: A meta-heuristic approach. Journal of Network and Computer Applications, 2021, 178, 102986.	9.1	21
166	A socially optimal resource and revenue sharing mechanism in cloud federations. , 2015, , .		20
167	Agent-Based Computing in the Internet of Things: A Survey. Studies in Computational Intelligence, 2018, , 307-320.	0.9	20
168	An Effective Bio-Signal-Based Driver Behavior Monitoring System Using a Generalized Deep Learning Approach. IEEE Access, 2020, 8, 135037-135049.	4.2	20
169	IoT Platforms and Security: An Analysis of the Leading Industrial/Commercial Solutions. Sensors, 2022, 22, 2196.	3.8	20
170	Special section: Enhancing content networks with P2P, Grid and Agent technologies. Future Generation Computer Systems, 2008, 24, 177-179.	7.5	19
171	Collaborative Body Sensor Networks. , 2011, , .		19
172	Novel method and real-time system for detecting the Cardiac Defense Response based on the ECG. , 2013, , .		19
173	Gossiping-Based AODV for Wireless Sensor Networks. , 2013, , .		19
174	Activity recognition and monitoring for smart wheelchair users. , 2016, , .		19
175	CMDP-based intelligent transmission for wireless body area network in remote health monitoring. Neural Computing and Applications, 2020, 32, 829-837.	5.6	19
176	Incentive evolutionary game model for opportunistic social networks. Future Generation Computer Systems, 2020, 102, 14-29.	7.5	19
177	A deep learning-based driver distraction identification framework over edge cloud. Neural Computing and Applications, 0, , 1.	5.6	19
178	A cooperative approach for handshake detection based on body sensor networks. , 2010, , .		18
179	Embedded self-healing layer for detecting and recovering sensor faults in body sensor networks. , 2012, , .		18
180	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

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181	Soft Wrist-Worn Multi-Functional Sensor Array for Real-Time Hand Gesture Recognition. IEEE Sensors Journal, 2022, 22, 17505-17514.	4.7	18
182	Engineering Large-Scale Body Area Networks Applications. , 2013, , .		17
183	Tools for Ontology Matchingâ€”Practical Considerations from INTER-IoT Perspective. Lecture Notes in Computer Science, 2016, , 296-307.	1.3	17
184	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
185	Clustering-Learning-Based Long-Term Predictive Localization in 5G-Envisioned Internet of Connected Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 5232-5246.	8.0	17
186	Distributed task allocation in Mobile Device Cloud exploiting federated learning and subjective logic. Journal of Systems Architecture, 2021, 113, 101972.	4.3	17
187	ANFIS fusion algorithm for eye movement recognition via soft multi-functional electronic skin. Information Fusion, 2021, 71, 99-108.	19.1	17
188	People-Centric Service for mHealth of Wheelchair Users in Smart Cities. Internet of Things, 2014, , 163-179.	1.7	17
189	Cascade Failures Analysis of Internet of Things Under Global/Local Routing Mode. IEEE Sensors Journal, 2022, 22, 1705-1719.	4.7	17
190	A Learning-Based MAC for Energy Efficient Wireless Sensor Networks. Lecture Notes in Computer Science, 2014, , 396-406.	1.3	16
191	A Cooperative Switching Algorithm for Multi-Agent Foraging. Engineering Applications of Artificial Intelligence, 2016, 50, 302-319.	8.1	16
192	Mining productive-periodic frequent patterns in tele-health systems. Journal of Network and Computer Applications, 2018, 115, 33-47.	9.1	16
193	Epidemic K-Means Clustering. , 2011, , .		15
194	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
195	Agent-oriented Modeling and Simulation of IoT Networks. , 0, , .		15
196	Development of virtual data acquisition systems based on multimedia internetworking. Computer Standards and Interfaces, 1999, 21, 429-440.	5.4	14
197	Translation of statechart agents into a BDI framework for MAS engineering. Engineering Applications of Artificial Intelligence, 2015, 41, 287-297.	8.1	14
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