

Giancarlo Fortino

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

393
papers

9,999
citations

53
h-index

85
g-index

449
ext. papers

12,691
ext. citations

4.9
avg, IF

7.26
L-index

#	Paper	IF	Citations
393	Multi-sensor fusion in body sensor networks: State-of-the-art and research challenges. <i>Information Fusion</i> , 2017 , 35, 68-80	16.7	499
392	Enabling Effective Programming and Flexible Management of Efficient Body Sensor Network Applications. <i>IEEE Transactions on Human-Machine Systems</i> , 2013 , 43, 115-133	4.1	323
391	Evaluating Critical Security Issues of the IoT World: Present and Future Challenges. <i>IEEE Internet of Things Journal</i> , 2018 , 5, 2483-2495	10.7	308
390	A framework for collaborative computing and multi-sensor data fusion in body sensor networks. <i>Information Fusion</i> , 2015 , 22, 50-70	16.7	241
389	BodyCloud: A SaaS approach for community Body Sensor Networks. <i>Future Generation Computer Systems</i> , 2014 , 35, 62-79	7.5	191
388	Security and trust issues in Fog computing: A survey. <i>Future Generation Computer Systems</i> , 2018 , 88, 16-27.5	7.5	187
387	Enabling IoT interoperability through opportunistic smartphone-based mobile gateways. <i>Journal of Network and Computer Applications</i> , 2017 , 81, 74-84	7.9	185
386	An Edge-Based Architecture to Support Efficient Applications for Healthcare Industry 4.0. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 481-489	11.9	174
385	Cognitive Internet of Vehicles. <i>Computer Communications</i> , 2018 , 120, 58-70	5.1	153
384	Enhanced Fingerprinting and Trajectory Prediction for IoT Localization in Smart Buildings. <i>IEEE Transactions on Automation Science and Engineering</i> , 2016 , 13, 1294-1307	4.9	153
383	Agent-Oriented Cooperative Smart Objects: From IoT System Design to Implementation. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018 , 48, 1939-1956	7.3	138
382	Human emotion recognition using deep belief network architecture. <i>Information Fusion</i> , 2019 , 51, 10-18	16.7	134
381	Wireless MEMS-Based Accelerometer Sensor Boards for Structural Vibration Monitoring: A Review. <i>IEEE Sensors Journal</i> , 2017 , 17, 226-235	4	129
380	Cloud-assisted body area networks: state-of-the-art and future challenges. <i>Wireless Networks</i> , 2014 , 20, 1925-1938	2.5	124
379	Internet of Things Based on Smart Objects. <i>Internet of Things</i> , 2014 ,	1.3	123
378	Autonomic computation offloading in mobile edge for IoT applications. <i>Future Generation Computer Systems</i> , 2019 , 90, 149-157	7.5	117
377	PEA: Parallel electrocardiogram-based authentication for smart healthcare systems. <i>Journal of Network and Computer Applications</i> , 2018 , 117, 10-16	7.9	114

376	Environment-fusion multipath routing protocol for wireless sensor networks. <i>Information Fusion</i> , 2020 , 53, 4-19	16.7	107
375	From Modeling to Implementation of Virtual Sensors in Body Sensor Networks. <i>IEEE Sensors Journal</i> , 2012 , 12, 583-593	4	101
374	A Dynamic Service Migration Mechanism in Edge Cognitive Computing. <i>ACM Transactions on Internet Technology</i> , 2019 , 19, 1-15	3.8	100
373	A Hybrid Feature Extraction Method With Regularized Extreme Learning Machine for Brain Tumor Classification. <i>IEEE Access</i> , 2019 , 7, 36266-36273	3.5	96
372	Modelling and simulation of Opportunistic IoT Services with Aggregate Computing. <i>Future Generation Computer Systems</i> , 2019 , 91, 252-262	7.5	96
371	WSNs-assisted opportunistic network for low-latency message forwarding in sparse settings. <i>Future Generation Computer Systems</i> , 2019 , 91, 223-237	7.5	93
370	Facial Expression Recognition Utilizing Local Direction-Based Robust Features and Deep Belief Network. <i>IEEE Access</i> , 2017 , 5, 4525-4536	3.5	92
369	Topology optimization against cascading failures on wireless sensor networks using a memetic algorithm. <i>Computer Networks</i> , 2020 , 177, 107327	5.4	92
368	A flexible building management framework based on wireless sensor and actuator networks. <i>Journal of Network and Computer Applications</i> , 2012 , 35, 1934-1952	7.9	92
367	A hybrid deep learning model for efficient intrusion detection in big data environment. <i>Information Sciences</i> , 2020 , 513, 386-396	7.7	92
366	Agent-based Internet of Things: State-of-the-art and research challenges. <i>Future Generation Computer Systems</i> , 2020 , 102, 1038-1053	7.5	92
365	Emotion Communication System. <i>IEEE Access</i> , 2017 , 5, 326-337	3.5	89
364	Cloud-based Activity-as-a-Service cyberphysical framework for human activity monitoring in mobility. <i>Future Generation Computer Systems</i> , 2017 , 75, 158-171	7.5	80
363	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	3.5	77
362	Task Offloading and Resource Allocation for Mobile Edge Computing by Deep Reinforcement Learning Based on SARSA. <i>IEEE Access</i> , 2020 , 8, 54074-54084	3.5	75
361	Integration of agent-based and Cloud Computing for the smart objects-oriented IoT 2014 ,		74
360	BodyCloud: Integration of Cloud Computing and body sensor networks 2012 ,		74
359	SPINE: a domain-specific framework for rapid prototyping of WBSN applications. <i>Software - Practice and Experience</i> , 2011 , 41, 237-265	2.5	72

358	Kernel fusion based extreme learning machine for cross-location activity recognition. <i>Information Fusion</i> , 2017 , 37, 1-9	16.7	70
357	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	7.3	70
356	Agent-oriented smart objects development 2012 ,		68
355	A Smartphone-Enabled Fall Detection Framework for Elderly People in Connected Home Healthcare. <i>IEEE Network</i> , 2019 , 33, 58-63	11.4	68
354	An Experimental-Based Review of Image Enhancement and Image Restoration Methods for Underwater Imaging. <i>IEEE Access</i> , 2019 , 7, 140233-140251	3.5	67
353	On the Design of Smart Homes: A Framework for Activity Recognition in Home Environment. <i>Journal of Medical Systems</i> , 2016 , 40, 200	5.1	65
352	Automatic Methods for the Detection of Accelerative Cardiac Defense Response. <i>IEEE Transactions on Affective Computing</i> , 2016 , 7, 286-298	5.7	65
351	A Java-Based Agent Platform for Programming Wireless Sensor Networks. <i>Computer Journal</i> , 2011 , 54, 439-454	1.3	65
350	A survey on deep learning in medicine: Why, how and when?. <i>Information Fusion</i> , 2021 , 66, 111-137	16.7	65
349	Modeling and Simulating Internet-of-Things Systems: A Hybrid Agent-Oriented Approach. <i>Computing in Science and Engineering</i> , 2017 , 19, 68-76	1.5	63
348	Swarm intelligence-based algorithms within IoT-based systems: A review. <i>Journal of Parallel and Distributed Computing</i> , 2018 , 122, 173-187	4.4	59
347	Lightweight Reinforcement Learning for Energy Efficient Communications in Wireless Sensor Networks. <i>IEEE Access</i> , 2019 , 7, 29355-29364	3.5	58
346	Middleware for Smart Objects and Smart Environments: Overview and Comparison. <i>Internet of Things</i> , 2014 , 1-27	1.3	56
345	Posture Detection Based on Smart Cushion for Wheelchair Users. <i>Sensors</i> , 2017 , 17,	3.8	55
344	Power-Aware Activity Monitoring Using Distributed Wearable Sensors. <i>IEEE Transactions on Human-Machine Systems</i> , 2014 , 44, 537-544	4.1	55
343	Towards Multi-layer Interoperability of Heterogeneous IoT Platforms: The INTER-IoT Approach. <i>Internet of Things</i> , 2018 , 199-232	1.3	55
342	Decentralized Time-Synchronized Channel Swapping for Ad Hoc Wireless Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 8538-8553	6.8	54
341	QUALITY OF SERVICE OPTIMIZATION IN AN IOT-DRIVEN INTELLIGENT TRANSPORTATION SYSTEM. <i>IEEE Wireless Communications</i> , 2019 , 26, 10-17	13.4	52

340	Deep learning-based cardiovascular image diagnosis: A promising challenge. <i>Future Generation Computer Systems</i> , 2020 , 110, 802-811	7.5	50
339	A novel machine learning based feature selection for motor imagery EEG signal classification in Internet of medical things environment. <i>Future Generation Computer Systems</i> , 2019 , 98, 419-434	7.5	48
338	Managing Data and Processes in Cloud-Enabled Large-Scale Sensor Networks: State-of-the-Art and Future Research Directions 2013 ,		48
337	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	4.3	47
336	An agent-based signal processing in-node environment for real-time human activity monitoring based on wireless body sensor networks. <i>Engineering Applications of Artificial Intelligence</i> , 2011 , 24, 1147-1161	7.2	47
335	A Mobile Multi-Technology Gateway to Enable IoT Interoperability 2016 ,		47
334	Applying an ensemble convolutional neural network with Savitzky-Golay filter to construct a phonocardiogram prediction model. <i>Applied Soft Computing Journal</i> , 2019 , 78, 29-40	7.5	46
333	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	7.7	46
332	A Mobility-Aware Optimal Resource Allocation Architecture for Big Data Task Execution on Mobile Cloud in Smart Cities 2018 , 56, 110-117		46
331	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	46
330	PPG-based methods for non invasive and continuous blood pressure measurement: an overview and development issues in body sensor networks 2010 ,		46
329	Short-long term anomaly detection in wireless sensor networks based on machine learning and multi-parameterized edit distance. <i>Information Fusion</i> , 2019 , 52, 13-30	16.7	45
328	A development approach for collective opportunistic Edge-of-Things services. <i>Information Sciences</i> , 2019 , 498, 154-169	7.7	44
327	Multi-sensor information fusion based on machine learning for real applications in human activity recognition: State-of-the-art and research challenges. <i>Information Fusion</i> , 2022 , 80, 241-265	16.7	44
326	Gait-based identification for elderly users in wearable healthcare systems. <i>Information Fusion</i> , 2020 , 53, 134-144	16.7	44
325	ELDAMeth: An agent-oriented methodology for simulation-based prototyping of distributed agent systems. <i>Information and Software Technology</i> , 2012 , 54, 608-624	3.4	43
324	Fault tolerant decentralised K-Means clustering for asynchronous large-scale networks. <i>Journal of Parallel and Distributed Computing</i> , 2013 , 73, 317-329	4.4	43
323	A Novel Mobile and Hierarchical Data Transmission Architecture for Smart Factories. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 3534-3546	11.9	40

322	Smart anomaly detection in sensor systems: A multi-perspective review. <i>Information Fusion</i> , 2021 , 67, 64-79	16.7	40
321	An Agent-Based Middleware for Cooperating Smart Objects. <i>Communications in Computer and Information Science</i> , 2013 , 387-398	0.3	39
320	Security and privacy in molecular communication and networking: opportunities and challenges. <i>IEEE Transactions on Nanobioscience</i> , 2014 , 13, 198-207	3.4	38
319	Modeling multi-aspects within one opinionated sentence simultaneously for aspect-level sentiment analysis. <i>Future Generation Computer Systems</i> , 2019 , 93, 304-311	7.5	38
318	CNN-Based Health Model for Regular Health Factors Analysis in Internet-of-Medical Things Environment. <i>IEEE Access</i> , 2020 , 8, 52541-52549	3.5	37
317	SPINE2: developing BSN applications on heterogeneous sensor nodes 2009 ,		37
316	Achieving Mobile Agent Systems interoperability through software layering. <i>Information and Software Technology</i> , 2008 , 50, 322-341	3.4	37
315	Metamodeling of Smart Environments: from design to implementation. <i>Advanced Engineering Informatics</i> , 2017 , 33, 274-284	7.4	36
314	Multi-user activity recognition: Challenges and opportunities. <i>Information Fusion</i> , 2020 , 63, 121-135	16.7	36
313	SPINE-HRV: A BSN-Based Toolkit for Heart Rate Variability Analysis in the Time-Domain. <i>Lecture Notes in Electrical Engineering</i> , 2010 , 369-389	0.2	36
312	. <i>IEEE Transactions on Engineering Management</i> , 2020 , 67, 1231-1243	2.6	36
311	Vehicle Route Selection Based on Game Evolution in Social Internet of Vehicles. <i>IEEE Internet of Things Journal</i> , 2018 , 5, 2423-2430	10.7	35
310	IoMT-based computational approach for detecting brain tumor. <i>Future Generation Computer Systems</i> , 2020 , 109, 360-367	7.5	34
309	Credibility in Online Social Networks: A Survey. <i>IEEE Access</i> , 2019 , 7, 2828-2855	3.5	34
308	Using trust and local reputation for group formation in the Cloud of Things. <i>Future Generation Computer Systems</i> , 2018 , 89, 804-815	7.5	33
307	A Trust-Based Team Formation Framework for Mobile Intelligence in Smart Factories. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 6133-6142	11.9	33
306	A Novel Wireless Accelerometer Board for Measuring Low-Frequency and Low-Amplitude Structural Vibration. <i>IEEE Sensors Journal</i> , 2016 , 16, 2942-2949	4	32
305	People-Centric Cognitive Internet of Things for the Quantitative Analysis of Environmental Exposure. <i>IEEE Internet of Things Journal</i> , 2018 , 5, 2353-2366	10.7	31

304	Platform-independent development of collaborative wireless body sensor network applications: SPINE2 2009 ,		31
303	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	16.7	31
302	Continuous blood pressure measurement from one-channel electrocardiogram signal using deep-learning techniques. <i>Artificial Intelligence in Medicine</i> , 2020 , 108, 101919	7.4	30
301	A Task-Oriented Framework for Networked Wearable Computing. <i>IEEE Transactions on Automation Science and Engineering</i> , 2016 , 13, 621-638	4.9	30
300	A framework for anomaly detection and classification in Multiple IoT scenarios. <i>Future Generation Computer Systems</i> , 2021 , 114, 322-335	7.5	30
299	Trust and Reputation in the Internet of Things: State-of-the-Art and Research Challenges. <i>IEEE Access</i> , 2020 , 8, 60117-60125	3.5	29
298	Using event-driven lightweight DSC-based agents for MAS modelling. <i>International Journal of Agent Oriented Software Engineering</i> , 2010 , 4, 113	0	29
297	A statecharts-based software development process for mobile agents. <i>Information and Software Technology</i> , 2004 , 46, 907-921	3.4	29
296	Sample Size Determination Algorithm for fingerprint-based indoor localization systems. <i>Computer Networks</i> , 2016 , 101, 169-177	5.4	29
295	CDN-Supported Collaborative Media Streaming Control. <i>IEEE MultiMedia</i> , 2007 , 14, 60-71	2.1	28
294	Starfish routing for sensor networks with mobile sink. <i>Journal of Network and Computer Applications</i> , 2018 , 123, 11-22	7.9	28
293	Towards a Development Methodology for Smart Object-Oriented IoT Systems: A Metamodel Approach 2015 ,		27
292	Development of Body Sensor Network applications using SPINE. <i>Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics</i> , 2008 ,	2	27
291	An Emerging Wearable World: New Gadgetry Produces a Rising Tide of Changes and Challenges. <i>IEEE Systems, Man, and Cybernetics Magazine</i> , 2018 , 4, 6-14	1.6	27
290	A hybrid-multi filter-wrapper framework to identify run-time behaviour for fast malware detection. <i>Future Generation Computer Systems</i> , 2018 , 83, 193-207	7.5	26
289	Using P2P, GRID and Agent technologies for the development of content distribution networks. <i>Future Generation Computer Systems</i> , 2008 , 24, 180-190	7.5	26
288	Stretchable Human Machine Interface Based on Smart Glove Embedded With PDMS-CB Strain Sensors. <i>IEEE Sensors Journal</i> , 2020 , 20, 8073-8081	4	25
287	Optimal Selection of Crowdsourcing Workers Balancing Their Utilities and Platform Profit. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 8602-8614	10.7	25

286	Real-time risk monitoring in business processes: A sensor-based approach. <i>Journal of Systems and Software</i> , 2013 , 86, 2939-2965	3.3	25
285	An efficient and robust content delivery solution for IEEE 802.11p vehicular environments. <i>Journal of Network and Computer Applications</i> , 2012 , 35, 753-762	7.9	24
284	PASSIM: a simulation-based process for the development of multi-agent systems. <i>International Journal of Agent Oriented Software Engineering</i> , 2008 , 2, 132	0	24
283	Sensor Combination Selection Strategy for Kayak Cycle Phase Segmentation Based on Body Sensor Networks. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	24
282	Empowering smart cities through interoperable Sensor Network Enablers 2014 ,		23
281	A Framework for Creating Healthcare Monitoring Applications Using Wireless Body Sensor Networks 2008 ,		23
280	Towards interoperable, cognitive and autonomic IoT systems: An agent-based approach 2016 ,		23
279	Workshop Networks Integration Using Mobile Intelligence in Smart Factories 2018 , 56, 68-75		22
278	INTELLIGENCE AT THE EDGE OF COMPLEX NETWORKS: THE CASE OF COGNITIVE TRANSMISSION POWER CONTROL. <i>IEEE Wireless Communications</i> , 2019 , 26, 97-103	13.4	22
277	Activity Level Assessment Using a Smart Cushion for People with a Sedentary Lifestyle. <i>Sensors</i> , 2017 , 17,	3.8	22
276	QL-MAC: A Q-Learning Based MAC for Wireless Sensor Networks. <i>Lecture Notes in Computer Science</i> , 2013 , 267-275	0.9	22
275	A Simulation-driven Methodology for IoT Data Mining Based on Edge Computing. <i>ACM Transactions on Internet Technology</i> , 2021 , 21, 1-22	3.8	22
274	Multicast control of mobile measurement systems. <i>IEEE Transactions on Instrumentation and Measurement</i> , 1998 , 47, 1149-1154	5.2	21
273	A Mission-Oriented Coordination Framework for Teams of Mobile Aerial and Terrestrial Smart Objects. <i>Mobile Networks and Applications</i> , 2016 , 21, 708-725	2.9	21
272	Body Sensor Network-Based Robust Gait Analysis: Toward Clinical and at Home Use. <i>IEEE Sensors Journal</i> , 2019 , 19, 8393-8401	4	20
271	Enabling Multiple BSN Applications Using the SPINE Framework 2010 ,		20
270	Fall-MobileGuard: a Smart Real-Time Fall Detection System 2015 ,		20
269	Lung cancer prediction using higher-order recurrent neural network based on glowworm swarm optimization. <i>Neural Computing and Applications</i> , 2020 , 32, 4373-4386	4.8	20

268	Multi-Agent Foraging: state-of-the-art and research challenges. <i>Complex Adaptive Systems Modeling</i> , 2017 , 5,	1.8	19
267	Agents Meet the IoT: Toward Ecosystems of Networked Smart Objects. <i>IEEE Systems, Man, and Cybernetics Magazine</i> , 2016 , 2, 43-47	1.6	18
266	A fault-tolerant self-organizing flocking approach for UAV aerial survey. <i>Journal of Network and Computer Applications</i> , 2017 , 96, 14-30	7.9	18
265	Toward opportunistic services for the industrial Internet of Things 2017 ,		18
264	Guest Editorial Special Section on Advances and Applications of Internet of Things for Smart Automated Systems. <i>IEEE Transactions on Automation Science and Engineering</i> , 2016 , 13, 1225-1229	4.9	18
263	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	11.9	18
262	Data Mining at the IoT Edge 2019 ,		17
261	A Neuro-Fuzzy Fatigue-Tracking and Classification System for Wheelchair Users. <i>IEEE Access</i> , 2017 , 5, 19420-19431	3.5	17
260	Autonomic and Cognitive Architectures for the Internet of Things. <i>Lecture Notes in Computer Science</i> , 2015 , 39-47	0.9	17
259	A socially optimal resource and revenue sharing mechanism in cloud federations 2015 ,		16
258	A cooperative approach for handshake detection based on body sensor networks 2010 ,		16
257	Collaborative Body Sensor Networks 2011 ,		16
256	An approach to compute the scope of a social object in a Multi-IoT scenario. <i>Pervasive and Mobile Computing</i> , 2020 , 67, 101223	3.5	16
255	An Effective Bio-Signal-Based Driver Behavior Monitoring System Using a Generalized Deep Learning Approach. <i>IEEE Access</i> , 2020 , 8, 135037-135049	3.5	16
254	. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2021 , 8, 1253-1270	7	16
253	. <i>IEEE Journal on Selected Areas in Communications</i> , 2021 , 39, 446-462	14.2	16
252	Agent-Based Computing in the Internet of Things: A Survey. <i>Studies in Computational Intelligence</i> , 2018 , 307-320	0.8	15
251	Activity recognition and monitoring for smart wheelchair users 2016 ,		15

250	Tools for Ontology Matching Practical Considerations from INTER-IoT Perspective. <i>Lecture Notes in Computer Science</i> , 2016 , 296-307	0.9	15
249	A collaborative task-oriented scheduling driven routing approach for industrial IoT based on mobile devices. <i>Ad Hoc Networks</i> , 2018 , 81, 86-99	4.8	15
248	Secure distributed adaptive bin packing algorithm for cloud storage. <i>Future Generation Computer Systems</i> , 2019 , 90, 307-316	7.5	15
247	INTER-Health: An Interoperable IoT Solution for Active and Assisted Living Healthcare Services 2019 ,		15
246	Gossiping-Based AODV for Wireless Sensor Networks 2013 ,		15
245	History-Aware, Real-Time Risk Detection in Business Processes. <i>Lecture Notes in Computer Science</i> , 2011 , 100-118	0.9	15
244	Special section: Enhancing content networks with P2P, Grid and Agent technologies. <i>Future Generation Computer Systems</i> , 2008 , 24, 177-179	7.5	15
243	Editorial Special Issue on AI-Driven Informatics, Sensing, Imaging and Big Data Analytics for Fighting the COVID-19 Pandemic <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020 , 24, 2731-2732	7.2	15
242	AI-enabled mobile multimedia service instance placement scheme in mobile edge computing. <i>Computer Networks</i> , 2020 , 182, 107573	5.4	15
241	ResIoT: An IoT social framework resilient to malicious activities. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2020 , 7, 1263-1278	7	15
240	A robust cyberattack detection approach using optimal features of SCADA power systems in smart grids. <i>Applied Soft Computing Journal</i> , 2020 , 96, 106658	7.5	15
239	. <i>IEEE Network</i> , 2021 , 35, 94-100	11.4	15
238	An Improved Authentication Scheme for Remote Data Access and Sharing Over Cloud Storage in Cyber-Physical-Social-Systems. <i>IEEE Access</i> , 2020 , 8, 47144-47160	3.5	14
237	People-Centric Service for mHealth of Wheelchair Users in Smart Cities. <i>Internet of Things</i> , 2014 , 163-179	1.3	14
236	Supervised feature selection techniques in network intrusion detection: A critical review. <i>Engineering Applications of Artificial Intelligence</i> , 2021 , 101, 104216	7.2	14
235	A multi-sensor data fusion technique using data correlations among multiple applications. <i>Future Generation Computer Systems</i> , 2019 , 92, 109-118	7.5	14
234	Optimal Dynamic Pricing for Trading-Off User Utility and Operator Profit in Smart Grid. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 455-467	7.3	14
233	Translation of statechart agents into a BDI framework for MAS engineering. <i>Engineering Applications of Artificial Intelligence</i> , 2015 , 41, 287-297	7.2	13

232	A meritocratic trust-based group formation in an IoT environment for smart cities. <i>Future Generation Computer Systems</i> , 2020 , 108, 34-45	7.5	13
231	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	7.7	13
230	Towards Cyberphysical Digital Libraries: Integrating IoT Smart Objects into Digital Libraries. <i>Internet of Things</i> , 2016 , 135-156	1.3	13
229	Engineering Large-Scale Body Area Networks Applications 2013 ,		13
228	Embedded self-healing layer for detecting and recovering sensor faults in body sensor networks 2012 ,		13
227	A Cooperative Switching Algorithm for Multi-Agent Foraging. <i>Engineering Applications of Artificial Intelligence</i> , 2016 , 50, 302-319	7.2	13
226	Data-driven clustering for multimedia communication in Internet of vehicles. <i>Future Generation Computer Systems</i> , 2019 , 94, 610-619	7.5	13
225	CMDP-based intelligent transmission for wireless body area network in remote health monitoring. <i>Neural Computing and Applications</i> , 2020 , 32, 829-837	4.8	13
224	Novel method and real-time system for detecting the Cardiac Defense Response based on the ECG 2013 ,		12
223	Agent-oriented Modeling and Simulation of IoT Networks 2016 ,		12
222	Cost Efficient Edge Intelligence Framework Using Docker Containers 2018 ,		12
221	Service modeling for opportunistic edge computing systems with feature engineering. <i>Computer Communications</i> , 2020 , 157, 308-319	5.1	11
220	Mining productive-periodic frequent patterns in tele-health systems. <i>Journal of Network and Computer Applications</i> , 2018 , 115, 33-47	7.9	11
219	Integration of Cloud computing and body sensor networks. <i>Future Generation Computer Systems</i> , 2014 , 35, 57-61	7.5	11
218	A Learning-Based MAC for Energy Efficient Wireless Sensor Networks. <i>Lecture Notes in Computer Science</i> , 2014 , 396-406	0.9	11
217	Epidemic K-Means Clustering 2011 ,		11
216	Development of virtual data acquisition systems based on multimedia internetworking. <i>Computer Standards and Interfaces</i> , 1999 , 21, 429-440	3.5	11
215	IoT-based Smart Health System for Ambulatory Maternal and Fetal Monitoring. <i>IEEE Internet of Things Journal</i> , 2020 , 1-1	10.7	11

214	Energy-efficient scheduling of small cells in 5G: A meta-heuristic approach. <i>Journal of Network and Computer Applications</i> , 2021 , 178, 102986	7.9	11
213	Wearable Body Sensor Networks: State-of-the-Art and Research Directions. <i>IEEE Sensors Journal</i> , 2021 , 21, 12511-12522	4	11
212	A lightweight and cost effective edge intelligence architecture based on containerization technology. <i>World Wide Web</i> , 2020 , 23, 1341-1360	2.9	11
211	Incentive evolutionary game model for opportunistic social networks. <i>Future Generation Computer Systems</i> , 2020 , 102, 14-29	7.5	11
210	Distributed Learning for Vehicle Routing Decision in Software Defined Internet of Vehicles. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 22, 3730-3741	6.1	11
209	A trusted consensus fusion scheme for decentralized collaborated learning in massive IoT domain. <i>Information Fusion</i> , 2021 , 72, 100-109	16.7	11
208	Swarm Intelligence and IoT-Based Smart Cities: A Review. <i>Internet of Things</i> , 2019 , 177-200	1.3	10
207	An agent-based approach for the design and analysis of content delivery networks. <i>Journal of Network and Computer Applications</i> , 2014 , 37, 127-145	7.9	10
206	Energy management during video transmission in wireless body sensor networks 2017 ,		10
205	A customizable multi-agent system for distributed data mining 2007 ,		10
204	ANFIS fusion algorithm for eye movement recognition via soft multi-functional electronic skin. <i>Information Fusion</i> , 2021 , 71, 99-108	16.7	10
203	A Discovery Service for Smart Objects over an Agent-Based Middleware. <i>Lecture Notes in Computer Science</i> , 2013 , 281-293	0.9	9
202	Using Cloud-assisted Body Area Networks to Track People Physical Activity in Mobility 2015 ,		9
201	AI-Driven Collaborative Resource Allocation for Task Execution in 6G-Enabled Massive IoT. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 5264-5273	10.7	9
200	An efficient event matching system for semantic smart data in the Internet of Things (IoT) environment. <i>Future Generation Computer Systems</i> , 2019 , 95, 163-174	7.5	9
199	Wearable Computing 2018 ,		9
198	IoT Services Deployment over Edge vs Cloud Systems: a Simulation-based Analysis 2019 ,		8
197	IoT platforms interoperability for active and assisted living healthcare services support 2017 ,		8

196	Java-based Mobile Agent Platforms for Wireless Sensor Networks 2010 ,		8
195	Statecharts-Based JADE Agents and Tools for Engineering Multi-Agent Systems. <i>Lecture Notes in Computer Science</i> , 2010 , 240-250	0.9	8
194	Discovery of Hidden Correlations between Heterogeneous Wireless Sensor Data Streams. <i>Lecture Notes in Computer Science</i> , 2014 , 383-395	0.9	8
193	Edge-Based Microservices Architecture for Internet of Things: Mobility Analysis Case Study 2019 ,		8
192	Recognition of human fall events based on single tri-axial gyroscope 2018 ,		8
191	Guest Editorial Special Issue on Cognitive Internet of Things. <i>IEEE Internet of Things Journal</i> , 2018 , 5, 2259-2262	10.7	7
190	Evolution of Scale-Free Wireless Sensor Networks with Feature of Small-World Networks. <i>Complexity</i> , 2017 , 2017, 1-15	1.6	7
189	Supporting personal security using participatory sensing. <i>Concurrency Computation Practice and Experience</i> , 2015 , 27, 2531-2546	1.4	7
188	Human Postures Recognition Based on D-S Evidence Theory and Multi-sensor Data Fusion 2012 ,		7
187	Simulation-based development and validation of multi-agent systems: AOSE and ABMS approaches. <i>Journal of Simulation</i> , 2013 , 7, 137-143	1.9	7
186	Continuous, real-time monitoring of assisted livings through wireless body sensor networks 2011 ,		7
185	A hierarchical control protocol for group-oriented playbacks supported by content distribution networks. <i>Journal of Network and Computer Applications</i> , 2009 , 32, 135-157	7.9	7
184	Next generation content networks. <i>Journal of Network and Computer Applications</i> , 2009 , 32, 941-942	7.9	7
183	Cooperative control of multicast-based streaming on-demand systems. <i>Future Generation Computer Systems</i> , 2005 , 21, 823-839	7.5	7
182	A toolset in Java2 for modelling, prototyping and implementing communicating real-time state machines. <i>Microprocessors and Microsystems</i> , 2000 , 23, 573-586	2.4	7
181	Integrating Jade and MAPS for the Development of Agent-Based WSN Applications. <i>Studies in Computational Intelligence</i> , 2013 , 211-220	0.8	7
180	A deep learning-based driver distraction identification framework over edge cloud. <i>Neural Computing and Applications</i> , 2020 , 1	4.8	7
179	A selection framework of sensor combination feature subset for human motion phase segmentation. <i>Information Fusion</i> , 2021 , 70, 1-11	16.7	7

178	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	6.1	7
177	Prostate cancer classification from ultrasound and MRI images using deep learning based Explainable Artificial Intelligence. <i>Future Generation Computer Systems</i> , 2021 , 127, 462-462	7.5	7
176	A distributed foraging algorithm based on artificial potential field 2015 ,		6
175	Evaluating group formation in virtual communities. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2020 , 7, 1003-1015	6	
174	A meta-model framework for the design and analysis of smart cyber-physical environments 2016 ,		6
173	Opportunistic cyberphysical services: A novel paradigm for the future Internet of Things 2018 ,		6
172	Applications and Markets for Cooperating Objects. <i>Springer Briefs in Electrical and Computer Engineering</i> , 2014 ,	0.4	6
171	Activity-aaS: Cloud-assisted, BSN-based system for physical activity monitoring 2015 ,		6
170	Power-aware action recognition with optimal sensor selection 2011 ,		6
169	Distributed measurement patterns based on Java and web tools 1997 ,		6
168	Using Mobile Agents as Enabling Technology for Wireless Sensor Networks 2008 ,		6
167	A cooperative playback system for on-demand multimedia sessions over Internet 2000 ,		6
166	A smartphone-centric approach for integrating heterogeneous sensor networks 2014 ,		6
165	Cloud-Based Wheelchair Assist System for Mobility Impaired Individuals. <i>Lecture Notes in Computer Science</i> , 2016 , 107-118	0.9	6
164	Intelligent Sensory Pen for Aiding in the Diagnosis of Parkinson's Disease from Dynamic Handwriting Analysis. <i>Sensors</i> , 2020 , 20,	3.8	6
163	DDI: A Novel Architecture for Joint Active user Detection and IoT Device Identification in Grant-Free NOMA Systems for 6G and Beyond Networks. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	6
162	An AI Approach to Collecting and Analyzing Human Interactions With Urban Environments. <i>IEEE Access</i> , 2019 , 7, 141476-141486	3.5	5
161	Collaborative Wireless Sensor Networks: Architectures, Algorithms and Applications. <i>Information Fusion</i> , 2015 , 22, 1-2	16.7	5

160	Edge enabled development of Smart Cyber-Physical Environments 2016 ,		5
159	A Cloud-Assisted Wearable System for Physical Rehabilitation. <i>Communications in Computer and Information Science</i> , 2015 , 168-182	0.3	5
158	Modeling and evaluation of the building management framework based on the Castalia WSN simulator 2013 ,		5
157	A survey of open body sensor networks: Applications and challenges 2017 ,		5
156	A multisensor data fusion algorithm using the hidden correlations in Multiapplication Wireless Sensor data streams 2017 ,		5
155	On the Interaction between a Nanoparticulate System and the Human Body in Body Area Nanonetworks. <i>Micromachines</i> , 2015 , 6, 1213-1235	3.3	5
154	A Data Analytics Schema for Activity Recognition in Smart Home Environments. <i>Lecture Notes in Computer Science</i> , 2015 , 91-102	0.9	5
153	Decentralized management of building indoors through embedded software agents. <i>Computer Science and Information Systems</i> , 2012 , 9, 1331-1359	0.8	5
152	TinyMAPS: A Lightweight Java-Based Mobile Agent System for Wireless Sensor Networks. <i>Studies in Computational Intelligence</i> , 2011 , 161-170	0.8	5
151	Multi-body sensor data fusion to evaluate the hippotherapy for motor ability improvement in children with cerebral palsy. <i>Information Fusion</i> , 2021 , 70, 115-128	16.7	5
150	CanoeSense: Monitoring canoe sprint motion using wearable sensors 2016 ,		5
149	Multi-level cluster-based satellite-terrestrial integrated communication in Internet of vehicles. <i>Computer Communications</i> , 2020 , 149, 44-50	5.1	5
148	Cataloging Design Patterns for Internet of Things Artifact Integration 2018 ,		5
147	A Real-Time Edge Scheduling and Adjustment Framework for Highly Customizable Factories. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 5625-5634	11.9	5
146	An insight into crash avoidance and overtaking advice systems for Autonomous Vehicles: A review, challenges and solutions. <i>Engineering Applications of Artificial Intelligence</i> , 2021 , 104, 104406	7.2	5
145	Design and analysis of cooperative and non cooperative stigmergy-based models for foraging 2015 ,		4
144	Self-Coexistence among IEEE 802.22 Networks: Distributed Allocation of Power and Channel. <i>Sensors</i> , 2017 , 17,	3.8	4
143	Edge Computing-Enabled Body Area Networks 2018 ,		4

142	A service-oriented gateway for remote monitoring of building sensor networks 2013 ,		4
141	Activity Recognition of Wheelchair Users Based on Sequence Feature in Time-series 2017 ,		4
140	Cognitive streaming on android devices 2015 ,		4
139	Stigmergic MASA: A Stigmergy Based Algorithm for Multi-Target Search 2014 ,		4
138	An analysis of java-based mobile agent platforms for wireless sensor networks. <i>Multiagent and Grid Systems</i> , 2011 , 7, 243-267	0.5	4
137	A Multi-Coordination based Process for the design of mobile agent interactions 2009 ,		4
136	Multi-coordination of mobile agents 2005 ,		4
135	Mobile active objects for highly dynamic distributed computing 2002 ,		4
134	An Energy-Aware Algorithm for Large Scale Foraging Systems. <i>Scalable Computing</i> , 2016 , 16,	2.4	4
133	A measurement on-demand service for access and delivery process acquisition data 2000 ,		4
132	A WSN-Based Building Management Framework to Support Energy-Saving Applications in Buildings 2012 , 258-273		4
131	Towards Interoperability of IoT-based Health Care platforms: the INTER-Health use case 2017 ,		4
130	Collaborative Learning On-Demand on the Internet Mbone 2003 , 40-68		4
129	Translating Statecharts-Based into BDI Agents: The DSC/PROFETA Case. <i>Lecture Notes in Computer Science</i> , 2013 , 264-277	0.9	4
128	Human-Like Hybrid Caching in Software-Defined Edge Cloud. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 5806-5815	10.7	4
127	Convert index trading to option strategies via LSTM architecture. <i>Neural Computing and Applications</i> , 2020 , 1	4.8	4
126	Smart Cushion-Based Activity Recognition: Prompting Users to Maintain a Healthy Seated Posture. <i>IEEE Systems, Man, and Cybernetics Magazine</i> , 2020 , 6, 6-14	1.6	4
125	. <i>IEEE Access</i> , 2020 , 8, 163878-163893	3.5	4

124	Resilient control in large-scale networked cyber-physical systems: Guest editorial. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2020 , 7, 1201-1203	7	4
123	EWPS: Emergency Data Communication in the Internet of Medical Things. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 11345-11356	10.7	4
122	Distributed task allocation in Mobile Device Cloud exploiting federated learning and subjective logic. <i>Journal of Systems Architecture</i> , 2021 , 113, 101972	5.5	4
121	Depression Analysis and Recognition Based on Functional Near-Infrared Spectroscopy. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2021 , 25, 4289-4299	7.2	4
120	A Novel Multi-stage Residual Feature Fusion Network for Detection of COVID-19 in Chest X-ray Images. <i>IEEE Transactions on Molecular, Biological, and Multi-Scale Communications</i> , 2021 , 1-1	2.3	4
119	Soft wrist-worn multi-functional sensor array for real-time hand gesture recognition. <i>IEEE Sensors Journal</i> , 2021 , 1-1	4	4
118	Developing Agent-Based Smart Objects for IoT Edge Computing: Mobile Crowdsensing Use Case. <i>Lecture Notes in Computer Science</i> , 2018 , 235-247	0.9	4
117	A Methodology for Integrating Internet of Things Platforms 2018 ,		4
116	MGPV: A novel and efficient scheme for secure data sharing among mobile users in the public cloud. <i>Future Generation Computer Systems</i> , 2019 , 95, 560-569	7.5	3
115	A framework for WSN-based opportunistic networks 2015 ,		3
114	An application-level framework for UAV/rover communication and coordination 2015 ,		3
113	Intra Smart Grid Management Frameworks for Control and Energy Saving in Buildings. <i>Lecture Notes in Computer Science</i> , 2015 , 131-142	0.9	3
112	Wireless Technology for Pervasive Healthcare. <i>Mobile Networks and Applications</i> , 2014 , 19, 273-275	2.9	3
111	A utility-oriented routing algorithm for community based opportunistic networks 2013 ,		3
110	An application-level technique based on recursive hierarchical state machines for agent execution state capture. <i>Science of Computer Programming</i> , 2013 , 78, 725-746	1.1	3
109	Management and Coordination Framework for Aerial-Terrestrial Smart Drone Networks 2015 ,		3
108	Time-domain heart rate variability analysis with the SPINE-HRV toolkit 2010 ,		3
107	Distributed architectures for surrogate clustering in CDNs 2009 ,		3

106	Next generation content networks 2009 ,		3
105	Enhancing cooperative playback systems with efficient encrypted multimedia streaming 2003 ,		3
104	A Decision-Level Fusion Method for COVID-19 Patient Health Prediction. <i>Big Data Research</i> , 2021 , 1002837	3.7	3
103	Rehab-aaS: A Cloud-based Motor Rehabilitation Digital Assistant 2014 ,		3
102	Blending Event-Based and Multi-Agent Systems Around Coordination Abstractions. <i>Lecture Notes in Computer Science</i> , 2015 , 186-193	0.9	3
101	ELDAMeth Design Process 2014 , 115-139		3
100	Using Human-Centric Wireless Sensor Networks to Support Personal Security. <i>Lecture Notes in Computer Science</i> , 2013 , 51-64	0.9	3
99	A blockchain-based group formation strategy for optimizing the social reputation capital of an IoT scenario. <i>Simulation Modelling Practice and Theory</i> , 2021 , 108, 102261	3.9	3
98	2018 ,		3
97	A Metamodel Framework for Edge-Based Smart Environments 2018 ,		3
96	Early detection of cardiovascular autonomic neuropathy: A multi-class classification model based on feature selection and deep learning feature fusion. <i>Information Fusion</i> , 2022 , 77, 70-80	16.7	3
95	IoT Platforms and Security: An Analysis of the Leading Industrial/Commercial Solutions.. <i>Sensors</i> , 2022 , 22,	3.8	3
94	Data-Driven Joint Resource Allocation in Large-scale Heterogeneous Wireless Networks. <i>IEEE Network</i> , 2020 , 34, 163-169	11.4	2
93	Towards a Reference Architecture for Swarm Intelligence-Based Internet of Things. <i>Lecture Notes in Computer Science</i> , 2018 , 75-86	0.9	2
92	Ly walk-based search strategy: Application to destructive foraging 2018 ,		2
91	An Evaluation Framework for Buildings-Oriented Wireless Sensor Networks 2014 ,		2
90	A social-D2D architecture for People-centric Industrial Internet of Things 2017 ,		2
89	Productive-associated Periodic High-utility itemsets mining 2017 ,		2

88	An Agent-based Mobile Social network 2012 ,		2
87	An autonomic plane for Wireless Body Sensor Networks 2012 ,		2
86	Special Section: Content management and delivery through P2P-based content networks. <i>Multiagent and Grid Systems</i> , 2009 , 5, 133-135	0.5	2
85	Enhancing JADE Interoperability through the Java-based Interoperable Mobile Agent Framework 2007 ,		2
84	A streaming content distribution network for e-learning support. <i>Interactive Technology and Smart Education</i> , 2006 , 3, 9-19	2.4	2
83	Super actors for real time 2001 ,		2
82	Collaborative Learning On-Demand 2005 , 445-450		2
81	Real-time automatic detection of accelerative cardiac defense response 2014 ,		2
80	Toward robust and energy-efficient clustering wireless sensor networks: A double-stage scale-free topology evolution model. <i>Computer Networks</i> , 2021 , 200, 108521	5.4	2
79	From Modeling to Simulation of Multi-agent Systems: An Integrated Approach and a Case Study. <i>Lecture Notes in Computer Science</i> , 2004 , 213-227	0.9	2
78	Including Cyberphysical Smart Objects into Digital Libraries. <i>Lecture Notes in Computer Science</i> , 2014 , 147-158	0.9	2
77	Engineering Multi-Agent Systems through Statecharts-Based JADE Agents and Tools. <i>Lecture Notes in Computer Science</i> , 2012 , 61-81	0.9	2
76	A Reputation Capital and Blockchain-based Model to Support Group Formation Processes in the Internet of Things 2019 ,		2
75	. <i>IEEE Access</i> , 2021 , 1-1	3.5	2
74	FallDeF5: A Fall Detection Framework Using 5G-Based Deep Gated Recurrent Unit Networks. <i>IEEE Access</i> , 2021 , 9, 94299-94308	3.5	2
73	Posture and Gesture Analysis Supporting Emotional Activity Recognition 2018 ,		2
72	Special Issue on Methods and Infrastructures for Data Mining at the Edge of Internet of Things. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 10220-10221	10.7	2
71	A Review of Internet of Things Platforms Through the IoT-A Reference Architecture. <i>Studies in Computational Intelligence</i> , 2022 , 25-34	0.8	2

70	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 , 1-1	10.7	2
69	A Sustainable Multi-modal Multi-layer Emotion-aware Service at the Edge. <i>IEEE Transactions on Sustainable Computing</i> , 2019 , 1-1	3.5	1
68	Using local trust measures to form agent CoT groups ¹ . <i>Intelligenza Artificiale</i> , 2020 , 14, 33-44	0.7	1
67	Special Issue on Service-Oriented Collaborative Computing and Applications. <i>IEEE Transactions on Services Computing</i> , 2018 , 11, 277-278	4.8	1
66	Exploiting the SEM Framework for Modeling Smart Cities. <i>Lecture Notes in Computer Science</i> , 2018 , 95-106	0.69	1
65	Guest Editorial Special Issue on Emerging Social Internet of Things: Recent Advances and Applications. <i>IEEE Internet of Things Journal</i> , 2018 , 5, 2478-2482	10.7	1
64	Fluidware: An Approach Towards Adaptive and Scalable Programming of the IoT. <i>Lecture Notes in Computer Science</i> , 2019 , 411-427	0.9	1
63	Empowering the Invulnerability of Wireless Sensor Networks through Super Wires and Super Nodes 2013 ,		1
62	Exploring unknown environments with multi-modal locomotion swarm. <i>Studies in Computational Intelligence</i> , 2017 , 131-140	0.8	1
61	Energy Expenditure in Multi-Agent Foraging: An Empirical Analysis 2015 ,		1
60	Ubiquitous Computing and Ambient Intelligence. Sensing, Processing, and Using Environmental Information. <i>Lecture Notes in Computer Science</i> , 2015 ,	0.9	1
59	Robust Content Broadcasting in Vehicular Networks 2014 , 431-448		1
58	Editorial for special issue Internet-based Content Delivery. <i>Computer Networks</i> , 2011 , 55, 3987-3990	5.4	1
57	Programming signal processing applications on heterogeneous wireless sensor platforms 2009 ,		1
56	An MBone-based on-demand system for cooperative off-line learning 2001 ,		1
55	Software Escalation Prediction Based on Deep Learning in the Cognitive Internet of Vehicles. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022 , 1-11	6.1	1
54	Collaborative Media Streaming Services Based on CDNs. <i>Lecture Notes in Electrical Engineering</i> , 2008 , 297-316	0.2	1
53	Cascade Failures Analysis of Internet of Things under Global/Local Routing Mode. <i>IEEE Sensors Journal</i> , 2021 , 1-1	4	1

52	An edge tier task offloading to identify sources of variance shifts in smart grid using a hybrid of wrapper and filter approaches. <i>IEEE Transactions on Green Communications and Networking</i> , 2021 , 1-1	4	1
51	An Open Streaming Content Distribution Network 2007 , 677-683		1
50	Risk Driving Behaviors Detection Using Pressure Cushion. <i>Lecture Notes in Computer Science</i> , 2018 , 161-173		1
49	Using Sentiment Analysis and Automated Reasoning to Boost Smart Lighting Systems. <i>Lecture Notes in Computer Science</i> , 2019 , 69-78	0.9	1
48	A Lily Walk and Firefly Based Multi-Robots Foraging Algorithm. <i>Lecture Notes in Computer Science</i> , 2019 , 213-222	0.9	1
47	A deep learning-based edge-fog-cloud framework for driving behavior management. <i>Computers and Electrical Engineering</i> , 2021 , 96, 107573	4.3	1
46	An Embedded Risk Prediction System for Wheelchair Safety Driving. <i>Internet of Things</i> , 2019 , 149-163	1.3	1
45	A Software Defined Network Solution for Spontaneous Wireless Access Extension. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2016 , 515-520	0.2	1
44	On the Development of Mobile Agent Systems for Wireless Sensor Networks: Issues and Solutions. <i>Intelligent Systems Reference Library</i> , 2013 , 185-215	0.8	1
43	Modeling AIDS Spread in Social Networks. <i>Lecture Notes in Computer Science</i> , 2013 , 361-371	0.9	1
42	EMG-based Abnormal Gait Detection and Recognition 2020 ,		1
41	Soft multi-functional electronic skin for continuous eye motion monitoring 2020 ,		1
40	A Neuro-Fuzzy System for Classifying Fatigue Degree of Wheelchair User. <i>Lecture Notes in Computer Science</i> , 2016 , 22-33	0.9	1
39	Guest Editorial Special Issue on Next-Generation Smart Body Sensor Networks: From Autonomic Body Sensors to Cognitive Body Sensor Network Ecosystems. <i>IEEE Sensors Journal</i> , 2019 , 19, 8370-8370	4	1
38	A Collaborative BSN-Enabled Architecture for Multi-user Activity Recognition. <i>Internet of Things</i> , 2021 , 103-119	1.3	1
37	Collaborative Cloud-Edge Service Cognition Framework for DNN Configuration toward Smart IIoT. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 1-1	11.9	1
36	. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	1
35	Multi-Granularity Collaborative Decision With Cognitive Networking in Intelligent Transportation Systems. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022 , 1-11	6.1	1

34	UAVAssist Joint Wireless Power Transfer and Data Collection Mechanism for Sustainable Precision Agriculture in 5G. <i>IEEE Micro</i> , 2021 , 1-1	1.8	o
33	Introduction to Interoperability for Heterogeneous IoT Platforms. <i>Internet of Things</i> , 2021 , 1-26	1.3	o
32	Body Sensor Networks 2018 , 1-23		
31	Development Methodology for BSN Systems 2018 , 177-186		
30	SPINE-Based Body Sensor Network Applications 2018 , 187-212		
29	BSN Programming Frameworks 2018 , 25-44		
28	Signal Processing In-Node Environment 2018 , 45-57		
27	Task-Oriented Programming in BSNs 2018 , 59-72		
26	Autonomic Body Sensor Networks 2018 , 73-87		
25	Agent-Oriented Body Sensor Networks 2018 , 89-105		
24	Collaborative Body Sensor Networks 2018 , 107-120		
23	Integration of Body Sensor Networks and Building Networks 2018 , 121-137		
22	Integration of Wearable and Cloud Computing 2018 , 139-176		
21	Best of Bodynets 2014: Editorial. <i>IEEE Transactions on Affective Computing</i> , 2016 , 7, 203-205	5.7	
20	Enabling the Reuse of Platform-Dependent Agents in Heterogeneous Agent-Based Applications. <i>Lecture Notes in Computer Science</i> , 2008 , 209-224	0.9	
19	Collaborative control of media playbacks in SCDNs. <i>Interactive Technology and Smart Education</i> , 2006 , 3, 21-29	2.4	
18	The Virtual Video Gallery: a user-centred media on-demand system. <i>Interactive Technology and Smart Education</i> , 2004 , 1, 29-40	2.4	
17	Actors and Coloured Petri Nets in the Development Life Cycle of Distributed Real Time Systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 1998 , 31, 1165-1170		

- 16 Supporting Communicating Real-Time State Machines by a Customisable Actor Kernel. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **1999**, 32, 117-122
- 15 Opportunistic IoT Service to Support Safety Driving from Heterogeneous Data Sources. *EAI/Springer Innovations in Communication and Computing*, **2020**, 131-143 0.6
- 14 Driving Operation Recognition Using Smart Cushion Based on Deep Neural Network. *EAI/Springer Innovations in Communication and Computing*, **2020**, 325-338 0.6
- 13 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 4.3
- 12 INTER-Meth: A Methodological Approach for the Integration of Heterogeneous IoT Systems. *Internet of Things*, **2021**, 195-230 1.3
- 11 Integrating Traditional Stores and e-Commerce into a Multi-tiered Recommender System Architecture Supported by IoT. *Lecture Notes in Computer Science*, **2018**, 50-62 0.9
- 10 A Scalable Agent-Based Smart Environment for Edge-Based Urban IoT Systems. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2018**, 53-59 0.2
- 9 Using Trust and Utility for Group Formation in the Cloud of Things. *Lecture Notes in Computer Science*, **2019**, 112-122 0.9
- 8 Using Blockchain for Reputation-Based Cooperation in Federated IoT Domains. *Studies in Computational Intelligence*, **2020**, 3-12 0.8
- 7 Mobile Agent-Based Services for Real-Time Multimedia Content Delivery **2012**, 199-229
- 6 Robust Broadcasting of Media Content in Urban Environments **2012**, 105-120
- 5 Cooperating Objects in Healthcare Applications. *Springer Briefs in Electrical and Computer Engineering*, **2014**, 73-98 0.4
- 4 Emerging Trends in Mobile Collaborative Systems. *Mobile Information Systems*, **2016**, 2016, 1-2 1.4
- 3 Forming Groups in the Cloud of Things Using Trust Measures. *Studies in Computational Intelligence*, **2018**, 298-308 0.8
- 2 M-T2F: A High-Efficient Contention Protocol for Wireless Networking in Cyber-Physical-Social Systems. *IEEE Transactions on Network Science and Engineering*, **2021**, 1-1 4.9
- 1 A Clustering Reputation-Based Framework in Edge-Based IoT Environments. *Studies in Computational Intelligence*, **2022**, 447-455 0.8