Ingrid Moerman

List of Publications by Year
in descending order

276	7,609	126907	71685
papers	citations	33 h-index	76 g-index

289	289	289	6552
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A survey on wireless body area networks. Wireless Networks, 2011, 17, 1-18.	3.0	878
2	A Comprehensive Survey of Wireless Body Area Networks. Journal of Medical Systems, 2012, 36, 1065-1094.	3.6	648
3	A Survey on Hybrid Beamforming Techniques in 5G: Architecture and System Model Perspectives. IEEE Communications Surveys and Tutorials, 2018, 20, 3060-3097.	39.4	456
4	A Survey of LoRaWAN for IoT: From Technology to Application. Sensors, 2018, 18, 3995.	3.8	351
5	Performance Analysis of Slotted Carrier Sense IEEE 802.15.4 Medium Access Layer. IEEE Transactions on Wireless Communications, 2008, 7, 3359-3371.	9.2	333
6	Characterization of On-Body Communication Channel and Energy Efficient Topology Design for Wireless Body Area Networks. IEEE Transactions on Information Technology in Biomedicine, 2009, 13, 933-945.	3.2	259
7	Scalability Analysis of Large-Scale LoRaWAN Networks in ns-3. IEEE Internet of Things Journal, 2017, 4, 2186-2198.	8.7	243
8	End-to-End Learning From Spectrum Data: A Deep Learning Approach for Wireless Signal Identification in Spectrum Monitoring Applications. IEEE Access, 2018, 6, 18484-18501.	4.2	236
9	LoRa Scalability: A Simulation Model Based on Interference Measurements. Sensors, 2017, 17, 1193.	3.8	210
10	IETF Standardization in the Field of the Internet of Things (IoT): A Survey. Journal of Sensor and Actuator Networks, 2013, 2, 235-287.	3.9	177
11	Handover Parameter Optimization in LTE Self-Organizing Networks. , 2010, , .		148
12	A Low-delay Protocol for Multihop Wireless Body Area Networks. , 2007, , .		136
13	Pattern mining in tourist attraction visits through association rule learning on Bluetooth tracking data: A case study of Ghent, Belgium. Tourism Management, 2014, 44, 67-81.	9.8	106
14	Low Overhead Scheduling of LoRa Transmissions for Improved Scalability. IEEE Internet of Things Journal, 2019, 6, 3097-3109.	8.7	102
15	LoRa indoor coverage and performance in an industrial environment: Case study. , 2017, , .		83
16	Distributed cognitive coexistence of 802.15.4 with 802.11. , 2006, , .		79
17	Performance analysis of multiple Indoor Positioning Systems in a healthcare environment. International Journal of Health Geographics, 2016, 15, 7.	2.5	77
18	The Need for Cooperation and Relaying in Short-Range High Path Loss Sensor Networks. , 2007, , .		59

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19	The History of WiMAX: A Complete Survey of the Evolution in Certification and Standardization for IEEE 802.16 and WiMAX. IEEE Communications Surveys and Tutorials, 2012, 14, 1183-1211.	39.4	57
20	WLC10-5: Performance Analysis of Slotted Carrier Sense IEEE 802.15.4 Medium Access Layer. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	54
21	Performance Evaluation of IEEE 802.11ah Networks With High-Throughput Bidirectional Traffic. Sensors, 2018, 18, 325.	3.8	54
22	Determination of the duty cycle of WLAN for realistic radio frequency electromagnetic field exposure assessment. Progress in Biophysics and Molecular Biology, 2013, 111, 30-36.	2.9	53
23	Platform for benchmarking of RF-based indoor localization solutions. , 2015, 53, 126-133.		51
24	A Q-Learning Scheme for Fair Coexistence Between LTE and Wi-Fi in Unlicensed Spectrum. IEEE Access, 2018, 6, 27278-27293.	4.2	51
25	Improving Reliability in Multi-hop Body Sensor Networks. , 2008, , .		47
26	Sub-GHz LPWAN Network Coexistence, Management and Virtualization: An Overview and Open Research Challenges. Wireless Personal Communications, 2017, 95, 187-213.	2.7	46
27	Data-Driven Design of Intelligent Wireless Networks: An Overview and Tutorial. Sensors, 2016, 16, 790.	3.8	45
28	The Wireless Autonomous Spanning tree Protocol for Multihop Wireless Body Area Networks. , 2006, , .		43
29	The Wireless Autonomous Spanning tree Protocol for Multihop Wireless Body Area Networks. , 2006, , .		42
30	Channel Estimation for Massive MIMO TDD Systems Assuming Pilot Contamination and Frequency Selective Fading. IEEE Access, 2017, 5, 17733-17741.	4.2	40
31	FAMOUS: A Network Architecture for Delivering Multimedia Services to FAst MOving USers. Wireless Personal Communications, 2005, 33, 281-304.	2.7	39
32	The w-iLab.t Testbed. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2011, , 145-154.	0.3	39
33	Internet of Things Virtual Networks: Bringing Network Virtualization to Resource-Constrained Devices. , 2012, , .		39
34	Enhancing the Coexistence of LTE and Wi-Fi in Unlicensed Spectrum Through Convolutional Neural Networks. IEEE Access, 2019, 7, 28464-28477.	4.2	39
35	A Survey on Machine Learning-Based Performance Improvement of Wireless Networks: PHY, MAC and Network Layer. Electronics (Switzerland), 2021, 10, 318.	3.1	39
36	MEERA: cross-layer methodology for energy efficient resource allocation in wireless networks. IEEE Transactions on Wireless Communications, 2007, 6, 617-628.	9.2	38

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37	Automated linear regression tools improve RSSI WSN localization in multipath indoor environment. Eurasip Journal on Wireless Communications and Networking, 2011, 2011, .	2.4	38
38	Weighted Performance Based Handover Parameter Optimization in LTE. , 2011, , .		37
39	A reinforcement learning based solution for cognitive network cooperation between co-located, heterogeneous wireless sensor networks. Ad Hoc Networks, 2014, 17, 98-113.	5.5	37
40	Optimizing Time-of-Arrival Localization Solutions for Challenging Industrial Environments. IEEE Transactions on Industrial Informatics, 2017, 13, 1430-1439.	11.3	37
41	Enabling direct connectivity between heterogeneous objects in the internet of things through a network-service-oriented architecture. Eurasip Journal on Wireless Communications and Networking, 2011, 2011, .	2.4	36
42	Experimental V2X Evaluation for C-V2X and ITS-G5 Technologies in a Real-Life Highway Environment. IEEE Transactions on Network and Service Management, 2022, 19, 1521-1538.	4.9	36
43	GITAR: Generic extension for Internet-of-Things ARchitectures enabling dynamic updates of network and application modules. Ad Hoc Networks, 2016, 36, 127-151.	5.5	34
44	Modelling the energy consumption for over-the-air software updates in LPWAN networks: SigFox, LoRa and IEEE 802.15.4g. Internet of Things (Netherlands), 2018, 3-4, 104-119.	7.7	34
45	Symbiotic Networks: Towards a New Level of Cooperation Between Wireless Networks. Wireless Personal Communications, 2008, 45, 479-495.	2.7	33
46	Over-the-Air Software Updates in the Internet of Things: An Overview of Key Principles. IEEE Communications Magazine, 2020, 58, 35-41.	6.1	33
47	MEERA: Cross-Layer Methodology for Energy Efficient Resource Allocation in Wireless Networks. IEEE Transactions on Wireless Communications, 2008, 7, 98-109.	9.2	31
48	Efficient Calculation of Sensor Utility and Sensor Removal in Wireless Sensor Networks for Adaptive Signal Estimation and Beamforming. IEEE Transactions on Signal Processing, 2012, 60, 5857-5869.	5.3	31
49	Avoiding collisions between IEEE 802.11 and IEEE 802.15.4 through coexistence aware clear channel assessment. Eurasip Journal on Wireless Communications and Networking, 2012, 2012, .	2.4	30
50	Facilitating the creation of IoT applications through conditional observations in CoAP. Eurasip Journal on Wireless Communications and Networking, 2013, 2013, .	2.4	30
51	Sensor Function Virtualization to Support Distributed Intelligence in the Internet of Things. Wireless Personal Communications, 2015, 81, 1415-1436.	2.7	28
52	Experimental Evaluation of Unicast and Multicast CoAP Group Communication. Sensors, 2016, 16, 1137.	3.8	28
53	Deep Learning-Based Spectrum Prediction Collision Avoidance for Hybrid Wireless Environments. IEEE Access, 2019, 7, 45818-45830.	4.2	28
54	Analysis and Experimental Verification of Frequency-Based Interference Avoidance Mechanisms in IEEE 802.15.4. IEEE/ACM Transactions on Networking, 2015, 23, 369-382.	3.8	27

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55	An enhanced weighted performance-based handover parameter optimization algorithm for LTE networks. Eurasip Journal on Wireless Communications and Networking, 2011, 2011, .	2.4	26
56	Wireless Technology Recognition Based on RSSI Distribution at Sub-Nyquist Sampling Rate for Constrained Devices. Sensors, 2017, 17, 2081.	3.8	26
57	Towards low-complexity wireless technology classification across multiple environments. Ad Hoc Networks, 2019, 91, 101881.	5.5	26
58	Design and Implementation of a Generic Energy-Harvesting Framework Applied to the Evaluation of a Large-Scale Electronic Shelf-Labeling Wireless Sensor Network. Eurasip Journal on Wireless Communications and Networking, 2010, 2010, .	2.4	22
59	Flexible Unicast-Based Group Communication for CoAP-Enabled Devices. Sensors, 2014, 14, 9833-9877.	3.8	22
60	Radio-over-fibre for ultra-small 5G cells. , 2015, , .		22
61	TAISC: A cross-platform MAC protocol compiler and execution engine. Computer Networks, 2016, 107, 315-326.	5.1	22
62	Self-Organized Energy-Efficient Cross-Layer Optimization for Device to Device Communication in Heterogeneous Cellular Networks. IEEE Access, 2017, 5, 1117-1128.	4.2	22
63	An adaptive LTE listen-before-talk scheme towards a fair coexistence with Wi-Fi in unlicensed spectrum. Telecommunication Systems, 2018, 68, 701-721.	2.5	22
64	RPL Mobility Support for Point-to-Point Traffic Flows towards Mobile Nodes. International Journal of Distributed Sensor Networks, 2015, 11, 470349.	2.2	21
65	Evaluation of accurate indoor localization systems in industrial environments. , 2017, , .		21
66	Strategies and Challenges for Interconnecting Wireless Mesh and Wireless Sensor Networks. Wireless Personal Communications, 2010, 53, 443-463.	2.7	20
67	On the feasibility of utilizing smartphones for vehicular ad hoc networking. , 2011, , .		20
68	Geolocation database beyond TV white spaces? Matching applications with database requirements. , 2012, , .		20
69	Exploiting programmable architectures for WiFi/ZigBee inter-technology cooperation. Eurasip Journal on Wireless Communications and Networking, 2014, 2014, .	2.4	20
70	Energy-Efficient Resource Allocation for Ultra-Dense Licensed and Unlicensed Dual-Access Small Cell Networks. IEEE Transactions on Mobile Computing, 2021, 20, 983-1000.	5.8	20
71	Integration of Heterogeneous Devices and Communication Models via the Cloud in the Constrained Internet of Things. International Journal of Distributed Sensor Networks, 2015, 2015, 1-16.	2.2	20
72	Hybrid Schedule Management in 6TiSCH Networks: The Coexistence of Determinism and Flexibility. IEEE Access, 2018, 6, 33941-33952.	4.2	19

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73	IDRA: A flexible system architecture for next generation wireless sensor networks. Wireless Networks, 2011, 17, 1423-1440.	3.0	18
74	Intra-, Inter-, and Extra-Container Path Loss for Shipping Container Monitoring Systems. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 889-892.	4.0	18
75	Facilitating Sensor Deployment, Discovery and Resource Access Using Embedded Web Services. , 2012, , .		18
76	QoS Challenges in Wireless Sensor Networked Robotics. Wireless Personal Communications, 2013, 70, 1059-1075.	2.7	18
77	Comparing f-OFDM and OFDM Performance for MIMO Systems Considering a 5G Scenario. , 2019, , .		18
78	Comparability of RF-based indoor localisation solutions in heterogeneous environments: an experimental study. International Journal of Ad Hoc and Ubiquitous Computing, 2016, 23, 92.	0.5	18
79	Virtual Private Ad Hoc Networking. Wireless Personal Communications, 2006, 38, 125-141.	2.7	17
80	Greedy distributed node selection for node-specific signal estimation in wireless sensor networks. Signal Processing, 2014, 94, 57-73.	3.7	17
81	Observing CoAP groups efficiently. Ad Hoc Networks, 2016, 37, 368-388.	5.5	17
82	Cooperation Techniques between LTE in Unlicensed Spectrum and Wi-Fi towards Fair Spectral Efficiency. Sensors, 2017, 17, 1994.	3.8	17
83	In-Band Network Monitoring Technique to Support SDN-Based Wireless Networks. IEEE Transactions on Network and Service Management, 2021, 18, 627-641.	4.9	17
84	Support of multiple sinks via a virtual root for the RPL routing protocol. Eurasip Journal on Wireless Communications and Networking, 2014, 2014, .	2.4	16
85	Impact of LTE Operating in Unlicensed Spectrum on Wi-Fi Using Real Equipment. , 2016, , .		16
86	Evaluating the Suitability of IEEE 802.11ah for Low-Latency Time-Critical Control Loops. IEEE Internet of Things Journal, 2019, 6, 7839-7848.	8.7	16
87	A Convolutional Neural Network Approach for Classification of LPWAN Technologies: Sigfox, LoRA and IEEE 802.15.4g. , 2019, , .		16
88	Federating Wired and Wireless Test Facilities through Emulab and OMF: The iLab.t Use Case. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 305-320.	0.3	16
89	Cellular access multi-tenancy through small-cell virtualization and common RF front-end sharing. Computer Communications, 2019, 133, 59-66.	5.1	15
90	A Throughput Analysis at the MAC Layer of Mobile WiMAX. , 2010, , .		14

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91	A Spectrum Sharing Framework for Intelligent Next Generation Wireless Networks. IEEE Access, 2018, 6, 60704-60735.	4.2	14
92	On the Application of Massive MIMO Systems to Machine Type Communications. IEEE Access, 2019, 7, 2589-2611.	4.2	14
93	A semi-supervised learning approach towards automatic wireless technology recognition. , 2019, , .		14
94	Machine Learning Enabled Wi-Fi Saturation Sensing for Fair Coexistence in Unlicensed Spectrum. IEEE Access, 2021, 9, 42959-42974.	4.2	14
95	A novel network architecture for train-to-wayside communication with quality of service over heterogeneous wireless networks. Eurasip Journal on Wireless Communications and Networking, 2012, 2012, .	2.4	13
96	Assessing the Coexistence of Heterogeneous Wireless Technologies With an SDR-Based Signal Emulator: A Case Study of Wi-Fi and Bluetooth. IEEE Transactions on Wireless Communications, 2017, 16, 1755-1766.	9.2	13
97	A Wireless Mesh Monitoring and Planning Tool for Emergency Services. , 2007, , .		12
98	An Information Driven Sensornet Architecture. , 2009, , .		12
99	Wireless body area networks: Status and opportunities. , 2014, , .		12
100	WiSHFUL: Enabling Coordination Solutions for Managing Heterogeneous Wireless Networks. , 2017, 55, 118-125.		12
101	Hardware Efficient Clock Synchronization Across Wi-Fi and Ethernet-Based Network Using PTP. IEEE Transactions on Industrial Informatics, 2022, 18, 3808-3819.	11.3	12
102	Coexistence Scheme for Uncoordinated LTE and WiFi Networks Using Experience Replay Based Q-Learning. Sensors, 2021, 21, 6977.	3.8	12
103	Advanced spectrum sensing with parallel processing based on software-defined radio. Eurasip Journal on Wireless Communications and Networking, 2013, 2013, .	2.4	11
104	snapMac: A generic MAC/PHY architecture enabling flexible MAC design. Ad Hoc Networks, 2014, 17, 37-59.	5.5	11
105	Efficient global optimization of multi-parameter network problems on wireless testbeds. Ad Hoc Networks, 2015, 29, 15-31.	5.5	11
106	Channel estimation for massive MIMO TDD systems assuming pilot contamination and flat fading. Eurasip Journal on Wireless Communications and Networking, 2018, 2018, .	2.4	11
107	Dynamic and Collaborative Spectrum Sharing: The SCATTER Approach. , 2019, , .		11
108	MOFBAN: A Lightweight Modular Framework for Body Area Networks. Lecture Notes in Computer Science, 2007, , 610-622.	1.3	11

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109	Optimizing Transmission and Shutdown for Energy-Efficient Real-time Packet Scheduling in Clustered Ad Hoc Networks. Eurasip Journal on Wireless Communications and Networking, 2005, 2005, 1.	2.4	10
110	Scalable Multiple-Description Image Coding Based on Embedded Quantization. Eurasip Journal on Image and Video Processing, 2007, 2007, 1-11.	2.6	10
111	Techno-economical viability of cognitive solutions for a factory scenario. , 2011, , .		10
112	Experimental validation of a reinforcement learning based approach for a service-wise optimisation of heterogeneous wireless sensor networks. Wireless Networks, 2015, 21, 931-948.	3.0	10
113	Seamless roaming and guaranteed communication using a synchronized single-hop multi-gateway 802.15.4e TSCH network. Ad Hoc Networks, 2019, 86, 1-14.	5.5	10
114	Radio Hardware Virtualization for Coping with Dynamic Heterogeneous Wireless Environments. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 287-297.	0.3	10
115	AMoQoSA: Adaptive Modular QoS Architecture for Wireless Sensor Networks. , 2008, , .		9
116	Performance Analysis of WiMAX for Mobile Applications. , 2010, , .		9
117	Real-Life Performance of Protocol Combinations for Wireless Sensor Networks. , 2010, , .		9
118	Approximation of the IEEE 802.11p standard using commercial off-the-shelf IEEE 802.11a hardware. , 2011, , .		9
119	Non-intrusive aggregation in wireless sensor networks. Ad Hoc Networks, 2011, 9, 324-340.	5.5	9
120	A negotiation-based networking methodology to enable cooperation across heterogeneous co-located networks. Ad Hoc Networks, 2012, 10, 901-917.	5.5	9
121	Fine-grained management of CoAP interactions with constrained IoT devices. , 2014, , .		9
122	Secure communication in IP-based wireless sensor networks via a trusted gateway. , 2015, , .		9
123	Pseudoâ€3D RSSIâ€based WSN localization algorithm using linear regression. Wireless Communications and Mobile Computing, 2015, 15, 1342-1354.	1.2	9
124	Efficient Identification of a Multi-Objective Pareto Front on a Wireless Experimentation Facility. IEEE Transactions on Wireless Communications, 2016, 15, 6662-6675.	9.2	9
125	Flexible Wi-Fi Communication among Mobile Robots in Indoor Industrial Environments. Mobile Information Systems, 2018, 2018, 1-19.	0.6	9
126	Radio Hardware Virtualization for Software-Defined Wireless Networks. Wireless Personal Communications, 2018, 100, 113-126.	2.7	9

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127	An AI-Based Incumbent Protection System for Collaborative Intelligent Radio Networks. IEEE Wireless Communications, 2020, 27, 16-23.	9.0	9
128	Enabling TSN over IEEE 802.11: Low-overhead Time Synchronization for Wi-Fi Clients. , 2021, , .		9
129	Bringing Time-Sensitive Networking to Wireless Professional Private Networks. Wireless Personal Communications, 2021, 121, 1255-1271.	2.7	9
130	Interconnecting Wireless Sensor and Wireless Mesh Networks: Challenges and Strategies. , 2009, , .		8
131	Managed Ecosystems of Networked Objects. Wireless Personal Communications, 2011, 58, 125-143.	2.7	8
132	Adoption of Vehicular Ad Hoc Networking Protocols by Networked Robots. Wireless Personal Communications, 2012, 64, 489-522.	2.7	8
133	Group Communication in Constrained Environments Using CoAP-based Entities. , 2013, , .		8
134	Building accurate radio environment maps from multi-fidelity spectrum sensing data. Wireless Networks, 2016, 22, 2551-2562.	3.0	8
135	Benchmarking of Localization Solutions: Guidelines for the Selection of Evaluation Points. Ad Hoc Networks, 2017, 59, 86-96.	5.5	8
136	Wireless industrial communication for connected shuttle systems in warehouses. , 2017, , .		8
137	Secure Service Proxy: A CoAP(s) Intermediary for a Securer and Smarter Web of Things. Sensors, 2017, 17, 1609.	3.8	8
138	Recent Advances in 5G Technologies: New Radio Access and Networking. Wireless Communications and Mobile Computing, 2019, 2019, 1-2.	1.2	8
139	Low Overhead, Fine-grained End-to-end Monitoring of Wireless Networks using In-band Telemetry. , 2019, , .		8
140	To Mesh or not to Mesh: Flexible Wireless Indoor Communication Among Mobile Robots in Industrial Environments. Lecture Notes in Computer Science, 2016, , 325-338.	1.3	8
141	Bluetooth-Low-Energy-Based Fall Detection and Warning System for Elderly People in Nursing Homes. Journal of Sensors, 2022, 2022, 1-14.	1.1	8
142	Chemical mapping of InGaN MQWs. Journal of Crystal Growth, 2001, 230, 438-441.	1.5	7
143	<title>Electrically pumped grating-assisted resonant-cavity light-emitting diodes</title>. , 2002, , .		7
144	QoS-enabled Internet-on-train network architecture: inter-working by MMP-SCTP versus MIP. , 2007, , .		7

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145	Study on Distance of Interference Sources on Wireless Sensor Network. , 2008, , .		7
146	Signalling minimizing handover parameter optimization algorithm for LTE networks. Wireless Networks, 2012, 18, 295-306.	3.0	7
147	EC-IoT: An easy configuration framework for constrained IoT devices. , 2016, , .		7
148	MAC Protocol for Supporting Multiple Roaming Users in Mult-Cell UWB Localization Networks. , 2018, , .		7
149	Time-critical communication in 6TiSCH networks. , 2018, , .		7
150	A Dynamic Distributed Multi-Channel TDMA Slot Management Protocol for Ad Hoc Networks. IEEE Access, 2021, 9, 61864-61886.	4.2	7
151	Municipalities as a Driver for Wireless Broadband Access. Wireless Personal Communications, 2009, 49, 391-414.	2.7	6
152	Efficiently Observing Internet of Things Resources. , 2012, , .		6
153	Network virtualization as an integrated solution for emergency communication. Telecommunication Systems, 2013, 52, 1859-1876.	2.5	6
154	A hybrid indoor localization solution using a generic architectural framework for sparse distributed wireless sensor networks. , 0, , .		6
155	Enabling the web of things: facilitating deployment, discovery and resource access to IoT objects using embedded web services. International Journal of Web and Grid Services, 2014, 10, 218.	0.5	6
156	Bindings and RESTlets: A Novel Set of CoAP-Based Application Enablers to Build IoT Applications. Sensors, 2016, 16, 1217.	3.8	6
157	Dynamic Reconfiguration of Network Protocols for Constrained Internet-of-Things Devices. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2016, , 269-281.	0.3	6
158	Interactive web visualizer for IEEE 802.11ah ns-3 module. , 2018, , .		6
159	Analysis of large-scale experimental data from wireless networks. , 2018, , .		6
160	Portability, compatibility and reuse of MAC protocols across different IoT radio platforms. Ad Hoc Networks, 2019, 86, 144-153.	5.5	6
161	Various Detection Techniques and Platforms for Monitoring Interference Condition in a Wireless Testbed. Lecture Notes in Computer Science, 2013, , 43-60.	1.3	6
162	A cluster driven channel assignment mechanism for wireless mesh networks. , 2008, , .		5

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163	Suitability of the wireless testbed w-iLab.t for VANET research. , 2011, , .		5
164	Adaptive routing for mobile ad hoc networks. Eurasip Journal on Wireless Communications and Networking, 2012, 2012, .	2.4	5
165	Heterogeneous spectrum sensing: challenges and methodologies. Eurasip Journal on Wireless Communications and Networking, 2015, 2015, .	2.4	5
166	Wi-Fi helping out Bluetooth smart for an improved home automation user experience. , 2016, , .		5
167	Surrogate modeling based cognitive decision engine for optimization of WLAN performance. Wireless Networks, 2017, 23, 2347-2359.	3.0	5
168	Cellular Access Multi-Tenancy through Small Cell Virtualization and Common RF Front-End Sharing. , 2017, , .		5
169	An Approach to Achieve Zero Turnaround Time in TDD Operation on SDR Front-End. IEEE Access, 2018, 6, 75461-75470.	4.2	5
170	SCATTER PHY: An Open Source Physical Layer for the DARPA Spectrum Collaboration Challenge. Electronics (Switzerland), 2019, 8, 1343.	3.1	5
171	A Baseband Wireless Spectrum Hypervisor for Multiplexing Concurrent OFDM Signals. Sensors, 2020, 20, 1101.	3.8	5
172	Enabling Virtual Radio Functions on Software Defined Radio for Future Wireless Networks. Wireless Personal Communications, 2020, 113, 1579-1595.	2.7	5
173	TV-kiosk: An Open and Extensible Platform for the Wellbeing of an Ageing Population. Lecture Notes in Computer Science, 2012, , 54-63.	1.3	5
174	The IBBT w-iLab.t: A Large-Scale Generic Experimentation Facility for Heterogeneous Wireless Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 7-8.	0.3	5
175	Analysis of decentralized resource and service discovery mechanisms in wireless multi-hop networks. Computer Communications, 2006, 29, 2710-2720.	5.1	4
176	Towards Ethernet-Based Wireless Mesh Networks for Fast Moving Users. , 2006, , .		4
177	Supporting Protocol-Independent Adaptive QoS in Wireless Sensor Networks. , 2010, , .		4
178	Data traffic differentiation and QoS on the train, in fast parameter varying, heterogeneous wireless networks. , 2011, , .		4
179	Models for Wireless Data Communications in Indoor Train Environment. Wireless Personal Communications, 2012, 67, 741-760.	2.7	4
180	Concept and framework of a self-regulating symbiotic network. Eurasip Journal on Wireless Communications and Networking, 2012, 2012, .	2.4	4

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181	Broadcast Aggregation to Improve Quality of Service in Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2014, 10, 383678.	2.2	4
182	Wireless handover performance in industrial environments: A case study. , 2016, , .		4
183	Smart container monitoring using custom-made WSN technology: from business case to prototype. Eurasip Journal on Wireless Communications and Networking, 2018, 2018, .	2.4	4
184	WiSH-WalT: A Framework for Controllable and Reproducible LoRa Testbeds. , 2018, , .		4
185	Scatter Phy: A Physical Layer for the DARPA Spectrum Collaboration Challenge. , 2019, , .		4
186	Adaptive CNN-based Private LTE Solution for Fair Coexistence with Wi-Fi in Unlicensed Spectrum. , 2020, , .		4
187	A Tunnel-Based QoS Management Framework for Delivering Broadband Internet on Trains. Lecture Notes in Computer Science, 2006, , 552-561.	1.3	4
188	Location assisted fast vertical handover for UMTS/WLAN overlay networks. Computer Communications, 2006, 29, 2601-2611.	5.1	3
189	Q-MEHROM: Mobility support and resource reservations for mobile senders and receivers. Computer Networks, 2006, 50, 1158-1175.	5.1	3
190	Design of wireless mesh networks for aggregating traffic of fast moving users. , 2006, , .		3
191	Distributed On Demand Channel Selection in Multi Channel, Multi Interface Wireless Mesh Networks. , 2007, , .		3
192	Impact of the access network topology on the handoff performance. Wireless Networks, 2007, 13, 203-220.	3.0	3
193	Validation of path loss by heuristic prediction tool with path loss and RSSI measurements. , 2010, , .		3
194	Real-time wide-band spectrum sensing for cognitive radio. , 2011, , .		3
195	Spectrum sensing for cognitive wireless applications inside aircraft cabins. , 2012, , .		3
196	Network-wide synchronization in Wireless Sensor Networks. , 2012, , .		3
197	PluralisMAC: a generic multi-MAC framework for heterogeneous, multiservice wireless networks, applied to smart containers. Eurasip Journal on Wireless Communications and Networking, 2012, 2012, .	2.4	3
198	Energy-efficient off-body communication nodes with receive diversity. , 2013, , .		3

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199	A cognitive QoS management framework for WLANs. Eurasip Journal on Wireless Communications and Networking, 2014, 2014, .	2.4	3
200	Simple RESTful sensor application development model using CoAP. , 2014, , .		3
201	Improving user interactions with constrained devices in the web of things. , 2016, , .		3
202	Cross-technology wireless experimentation: Improving 802.11 and 802.15.4e coexistence. , 2016, , .		3
203	SON for LTE-WLAN access network selection: design and performance. Eurasip Journal on Wireless Communications and Networking, 2016, 2016, .	2.4	3
204	Intelligent TDMA heuristic scheduling by taking into account physical layer interference for an industrial IoT environment. Telecommunication Systems, 2018, 67, 605-617.	2.5	3
205	Light-Weight Integration and Interoperation of Localization Systems in IoT. Sensors, 2018, 18, 2142.	3.8	3
206	Universal Modular Framework for Sensor Networks. Lecture Notes in Electrical Engineering, 2008, , 237-253.	0.4	3
207	Coexistence Aware Clear Channel Assessment. Lecture Notes in Computer Science, 2013, , 165-178.	1.3	3
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210	Multi-band sub-GHz technology recognition on NVIDIAâ€™s Jetson Nano. , 2020, , .		3
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