

Tomoaki Ohtsuki

List of Publications by Year in descending order

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389
papers

4,586
citations

159358

30
h-index

174990

52
g-index

390
all docs

390
docs citations

390
times ranked

3353
citing authors

#	ARTICLE	IF	CITATIONS
1	A Novel Blockchain-Based Product Ownership Management System (POMS) for Anti-Counterfeits in the Post Supply Chain. IEEE Access, 2017, 5, 17465-17477.	2.6	418
2	Hate Speech on Twitter: A Pragmatic Approach to Collect Hateful and Offensive Expressions and Perform Hate Speech Detection. IEEE Access, 2018, 6, 13825-13835.	2.6	245
3	A Pattern-Based Approach for Sarcasm Detection on Twitter. IEEE Access, 2016, 4, 5477-5488.	2.6	184
4	A Pattern-Based Approach for Multi-Class Sentiment Analysis in Twitter. IEEE Access, 2017, 5, 20617-20639.	2.6	125
5	An Efficient Specific Emitter Identification Method Based on Complex-Valued Neural Networks and Network Compression. IEEE Journal on Selected Areas in Communications, 2021, 39, 2305-2317.	9.7	103
6	Performance analysis of direct-detection optical asynchronous CDMA systems with double optical hard-limiters. Journal of Lightwave Technology, 1997, 15, 452-457.	2.7	90
7	Deep Reinforcement Learning for Economic Dispatch of Virtual Power Plant in Internet of Energy. IEEE Internet of Things Journal, 2020, 7, 6288-6301.	5.5	82
8	Performance analysis of atmospheric optical PPM CDMA systems. Journal of Lightwave Technology, 2003, 21, 406-411.	2.7	78
9	Multi-Task Learning for Generalized Automatic Modulation Classification Under Non-Gaussian Noise With Varying SNR Conditions. IEEE Transactions on Wireless Communications, 2021, 20, 3587-3596.	6.1	66
10	Multi-class sentiment analysis on twitter: Classification performance and challenges. Big Data Mining and Analytics, 2019, 2, 181-194.	7.5	64
11	A Novel Intrusion Detection Method Based on Lightweight Neural Network for Internet of Things. IEEE Internet of Things Journal, 2022, 9, 9960-9972.	5.5	59
12	Direct-detection optical synchronous CDMA systems with double optical hard-limiters using modified prime sequence codes. IEEE Journal on Selected Areas in Communications, 1996, 14, 1879-1887.	9.7	53
13	On Physical Layer Security of α - β - κ - μ Fading Channels. IEEE Communications Letters, 2018, 22, 2168-2171.	2.5	52
14	Transfer Learning for Semi-Supervised Automatic Modulation Classification in ZF-MIMO Systems. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2020, 10, 231-239.	2.7	52
15	An Efficient Intrusion Detection Method Based on Dynamic Autoencoder. IEEE Wireless Communications Letters, 2021, 10, 1707-1711.	3.2	52
16	Activity recognition using low resolution infrared array sensor. , 2015, , .		49
17	A Novel Methodology for HYIP Operators'™ Bitcoin Addresses Identification. IEEE Access, 2019, 7, 74835-74848.	2.6	49
18	Signal Eigenvector-Based Device-Free Passive Localization Using Array Sensor. IEEE Transactions on Vehicular Technology, 2015, 64, 1354-1363.	3.9	47

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19	Identification of High Yielding Investment Programs in Bitcoin via Transactions Pattern Analysis. , 2017, , .		43
20	Multi-Class Sentiment Analysis in Twitter: What if Classification is Not the Answer. IEEE Access, 2018, 6, 64486-64502.	2.6	43
21	Green Heterogeneous Networks via an Intelligent Sleep/Wake-Up Mechanism and D2D Communications. IEEE Transactions on Green Communications and Networking, 2018, 2, 915-931.	3.5	43
22	Opinion Mining in Twitter How to Make Use of Sarcasm to Enhance Sentiment Analysis. , 2015, , .		42
23	RSS-Based Localization in Environments with Different Path Loss Exponent for Each Link. IEEE Vehicular Technology Conference, 2008, , .	0.2	40
24	A Deep Learning-Based Low Overhead Beam Selection in mmWave Communications. IEEE Transactions on Vehicular Technology, 2021, 70, 682-691.	3.9	40
25	Compressive Sampled CSI Feedback Method Based on Deep Learning for FDD Massive MIMO Systems. IEEE Transactions on Communications, 2021, 69, 5873-5885.	4.9	39
26	BER performance of turbo-coded PPM CDMA systems on optical fiber. Journal of Lightwave Technology, 2000, 18, 1776-1784.	2.7	36
27	Multi-Class Bitcoin-Enabled Service Identification Based on Transaction History Summarization. , 2018, , .		36
28	ECG Signal Reconstruction via Doppler Sensor by Hybrid Deep Learning Model With CNN and LSTM. IEEE Access, 2020, 8, 130551-130560.	2.6	36
29	Downlink CSI Feedback Algorithm With Deep Transfer Learning for FDD Massive MIMO Systems. IEEE Transactions on Cognitive Communications and Networking, 2021, 7, 1253-1265.	4.9	35
30	Spectrogram-Based Non-Contact RRI Estimation by Accurate Peak Detection Algorithm. IEEE Access, 2018, 6, 60369-60379.	2.6	33
31	6-Axis Sensor Assisted Low Complexity High Accuracy-Visible Light Communication Based Indoor Positioning System. IEICE Transactions on Communications, 2010, E93-B, 2879-2891.	0.4	32
32	Cell range expansion using distributed Q-learning in heterogeneous networks. Eurasip Journal on Wireless Communications and Networking, 2013, 2013, .	1.5	32
33	Lightweight Automatic Modulation Classification Based on Decentralized Learning. IEEE Transactions on Cognitive Communications and Networking, 2022, 8, 57-70.	4.9	32
34	Indoor Event Detection with Eigenvector Spanning Signal Subspace for Home or Office Security. IEICE Transactions on Communications, 2009, E92-B, 2406-2412.	0.4	32
35	A fall detection system using low resolution infrared array sensor. , 2014, , .		31
36	Sentiment analysis: From binary to multi-class classification: A pattern-based approach for multi-class sentiment analysis in Twitter. , 2016, , .		31

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37	A Stochastic Gradient Approach for Robust Heartbeat Detection With Doppler Radar Using Time-Window-Variation Technique. IEEE Transactions on Biomedical Engineering, 2019, 66, 1730-1741.	2.5	30
38	Heartbeat detection by using Doppler radar with wavelet transform based on scale factor learning. , 2015, , .		29
39	Blind Source Separation on Non-Contact Heartbeat Detection by Non-Negative Matrix Factorization Algorithms. IEEE Transactions on Biomedical Engineering, 2020, 67, 482-494.	2.5	29
40	Multiple-Subcarrier Optical Communication Systems With Subcarrier Signal-Point Sequence. IEEE Transactions on Communications, 2005, 53, 1738-1743.	4.9	28
41	DOA estimation for wideband signals based on weighted Squared TOPS. Eurasip Journal on Wireless Communications and Networking, 2016, 2016, .	1.5	28
42	Intersection-based forwarding protocol for vehicular ad hoc networks. Telecommunication Systems, 2016, 62, 67-76.	1.6	28
43	A Model Based on Poisson Point Process for Analyzing MIMO Heterogeneous Networks Utilizing Fractional Frequency Reuse. IEEE Transactions on Wireless Communications, 2014, 13, 6839-6850.	6.1	25
44	Heartbeat detection with Doppler radar based on spectrogram. , 2017, , .		25
45	Evaluating smart grid renewable energy accommodation capability with uncertain generation using deep reinforcement learning. Future Generation Computer Systems, 2020, 110, 647-657.	4.9	25
46	SALDR: Joint Self-Attention Learning and Dense Refine for Massive MIMO CSI Feedback With Multiple Compression Ratio. IEEE Wireless Communications Letters, 2021, 10, 1899-1903.	3.2	25
47	Q-learning cell selection for femtocell networks: Single- and multi-user case. , 2012, , .		24
48	Falling detection using multiple doppler sensors. , 2012, , .		23
49	Multicast capacity analysis for social-proximity urban bus-assisted VANETs. , 2013, , .		23
50	Channel interference cancellation using electrooptic switch and optical hardlimiters for direct-detection optical CDMA systems. Journal of Lightwave Technology, 1998, 16, 520-526.	2.7	22
51	Identification of Darknet Marketsâ€™ Bitcoin Addresses by Voting Per-address Classification Results. , 2019, , .		22
52	Joint UL/DL Resource Allocation for UAV-Aided Full-Duplex NOMA Communications. IEEE Transactions on Communications, 2021, 69, 8474-8487.	4.9	22
53	Cell Range Expansion Using Distributed Q-Learning in Heterogeneous Networks. , 2013, , .		21
54	A Lower Bound on Secrecy Capacity for MIMO Wiretap Channel Aided by a Cooperative Jammer With Channel Estimation Error. IEEE Access, 2017, 5, 4636-4645.	2.6	21

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55	Impact of Pointing Errors on the Error Performance of Intersatellite Laser Communications. Journal of Lightwave Technology, 2017, 35, 3082-3091.	2.7	21
56	Semisupervised Federated-Learning-Based Intrusion Detection Method for Internet of Things. IEEE Internet of Things Journal, 2023, 10, 8645-8657.	5.5	21
57	Learning-Based Cell Selection Method for Femtocell Networks. , 2012, , .		20
58	Deep Learning-Based Channel Estimation for Massive MIMO Systems With Pilot Contamination. IEEE Open Journal of Vehicular Technology, 2021, 2, 67-77.	3.4	20
59	Edge Device Identification Based on Federated Learning and Network Traffic Feature Engineering. IEEE Transactions on Cognitive Communications and Networking, 2022, 8, 1898-1909.	4.9	20
60	A new load balancing and data collection algorithm for energy saving in wireless sensor networks. Telecommunication Systems, 2010, 45, 313-322.	1.6	19
61	Impact of the CSI on the Performance of Cognitive Relay Networks With Partial Relay Selection. IEEE Transactions on Vehicular Technology, 2016, 65, 673-684.	3.9	19
62	Surveillance Plane Aided Air-Ground Integrated Vehicular Networks: Architectures, Applications, and Potential. IEEE Wireless Communications, 2020, 27, 122-128.	6.6	19
63	Stochastic geometry modeling and analysis of cognitive heterogeneous cellular networks. Eurasip Journal on Wireless Communications and Networking, 2015, 2015, .	1.5	18
64	Sentiment Analysis in Twitter: From Classification to Quantification of Sentiments within Tweets. , 2016, , .		18
65	Robust Resource Allocation for Two-Tier HetNets: An Interference-Efficiency Perspective. IEEE Transactions on Green Communications and Networking, 2021, 5, 1514-1528.	3.5	18
66	Blockchain-Based Task Offloading for Edge Computing on Low-Quality Data via Distributed Learning in the Internet of Energy. IEEE Journal on Selected Areas in Communications, 2022, 40, 657-676.	9.7	18
67	Multi-point fairness in resource allocation for C-RAN downlink CoMP transmission. Eurasip Journal on Wireless Communications and Networking, 2016, 2016, .	1.5	17
68	Secrecy Performance Analysis of Wireless Sensor Networks. , 2019, 3, 1-4.		17
69	Semi-Supervised Machine Learning Aided Anomaly Detection Method in Cellular Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 8459-8467.	3.9	17
70	Make Smart Decisions Faster: Deciding D2D Resource Allocation via Stackelberg Game Guided Multi-Agent Deep Reinforcement Learning. IEEE Transactions on Mobile Computing, 2022, 21, 4426-4438.	3.9	17
71	Performance analysis of atmospheric optical subcarrier-multiplexing systems and atmospheric optical subcarrier-Modulated code-division multiplexing systems. Journal of Lightwave Technology, 2005, 23, 1676-1682.	2.7	16
72	Indoor Event Detection with Eigenvector Spanning Signal Subspace for Home or Office Security. , 2008, , .		16

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73	Coordinated Non-Orthogonal Multiple Access (CO-NOMA). , 2016, , .		16
74	MIMO Systems in the Presence of Feedback Delay. , 2006, , .		15
75	Secure and Fast Aggregation of Financial Data in Cloud-Based Expense Tracking Applications. Journal of Network and Systems Management, 2012, 20, 534-560.	3.3	15
76	Performance Analysis of LDPC Code with Spatial Diversity. , 2006, , .		14
77	A Smart City Based on Ambient Intelligence. IEICE Transactions on Communications, 2017, E100.B, 1547-1553.	0.4	14
78	Distributed Deep Reinforcement Learning for Renewable Energy Accommodation Assessment With Communication Uncertainty in Internet of Energy. IEEE Internet of Things Journal, 2021, 8, 8557-8569.	5.5	14
79	2-D LIDAR-Based Approach for Activity Identification and Fall Detection. IEEE Internet of Things Journal, 2022, 9, 10872-10890.	5.5	14
80	State Classification with Array Sensor Using Support Vector Machine for Wireless Monitoring Systems. IEICE Transactions on Communications, 2012, E95.B, 3088-3095.	0.4	13
81	Benefits of Rich Scattering in MIMO Channels: A Graph-Theoretical Perspective. IEEE Communications Letters, 2013, 17, 23-26.	2.5	13
82	Optimal channel-sensing policy based on Fuzzy Q-Learning process over cognitive radio systems. , 2013, , .		13
83	Ambient intelligence sensing using array sensor. , 2013, , .		13
84	Heartbeat detection with Doppler radar based on estimation of average R-R interval using Viterbi algorithm. , 2016, , .		13
85	Energy Efficiency Analysis in Cache-Enabled D2D-Aided Heterogeneous Cellular Networks. IEEE Access, 2020, 8, 19540-19554.	2.6	13
86	Risk Assessment of Private Information Inference for Motion Sensor Embedded IoT Devices. IEEE Transactions on Emerging Topics in Computational Intelligence, 2020, 4, 265-275.	3.4	13
87	Distributed EM Algorithms for Acoustic Source Localization in Sensor Networks. , 2006, , .		12
88	Joint feedback and scheduling scheme for service-differentiated multiuser MIMO systems. IEEE Transactions on Wireless Communications, 2010, 9, 528-533.	6.1	12
89	Physical layer network coding with multiple untrusted relays for physical layer security. , 2014, , .		12
90	A Fast Blind Scheme With Full Rendezvous Diversity for Heterogeneous Cognitive Radio Networks. IEEE Transactions on Cognitive Communications and Networking, 2019, 5, 805-818.	4.9	12

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91	Dual-Ascent Inspired Transmit Precoding for Evolving Multiple-Access Spatial Modulation. IEEE Transactions on Communications, 2020, 68, 6945-6961.	4.9	12
92	A Novel Approach based on Lightweight Deep Neural Network for Network Intrusion Detection. , 2021, , .		12
93	Optical Wireless Sensor Network System Using Corner Cube Retroreflectors. Eurasip Journal on Wireless Communications and Networking, 2005, 2005, 1.	1.5	11
94	Precoding for MIMO Systems in Line-Of-Sight (LOS) Environment. , 2007, , . A model based on Poisson point process for downlink $\langle \text{mml:math altimg="si3.gif" display="inline" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:tbl_struct="http://www.elsevier.com/xml/common/table-struct/dtd" \rangle$		11
95	Multiple Radios for Fast Rendezvous in Heterogeneous Cognitive Radio Networks. IEEE Access, 2019, 7, 37342-37359.	1.2	11
96	Federated Learning for DL-CSI Prediction in FDD Massive MIMO Systems. IEEE Wireless Communications Letters, 2021, 10, 1810-1814.	2.6	11
97	An Adaptive Vehicle Clustering Algorithm Based on Power Minimization in Vehicular Ad-Hoc Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 2939-2948.	3.2	11
98	Low Complexity Localization Algorithm Based on NLOS Node Identification Using Minimum Subset for NLOS Environments. , 2008, , .	3.9	11
99	Superposed Band Detection Based on Error Probability Using Initial Likelihood Masking. , 2012, , .		10
100	Coalition Graph Game for Robust Routing in Cooperative Cognitive Radio Networks. Mobile Networks and Applications, 2015, 20, 147-156.		10
101	Design of privacy-preserving mobile Bitcoin client based on $\hat{\Gamma}^3$ -deniability enabled bloom filter. , 2017, , .	2.2	10
102	Time Series Analysis for Bitcoin Transactions: The Case of Pirate@40's HYIP Scheme. , 2018, , .		10
103	Recovery of Block-Structured Sparse Signal Using Block-Sparse Adaptive Algorithms via Dynamic Grouping. IEEE Access, 2018, 6, 56069-56083.	2.6	10
104	FMCW Radar-Based Anomaly Detection in Toilet by Supervised Machine Learning Classifier. , 2019, , .		10
105	A Novel Hybrid Deep Learning Model for Activity Detection Using Wide-Angle Low-Resolution Infrared Array Sensor. IEEE Access, 2021, 9, 82563-82576.	2.6	10
106	Optimal Channel-Sensing Scheme for Cognitive Radio Systems Based on Fuzzy Q-Learning. IEICE Transactions on Communications, 2014, E97.B, 283-294.	0.4	10
107	Fully Convolutional Neural Network-Based CSI Limited Feedback for FDD Massive MIMO Systems. IEEE Transactions on Cognitive Communications and Networking, 2022, 8, 672-682.	4.9	10

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109	Low-Resolution Infrared Array Sensor for Counting and Localizing People Indoors: When Low End Technology Meets Cutting Edge Deep Learning Techniques. Information (Switzerland), 2022, 13, 132.	1.7	10
110	Performance analysis of indoor infrared wireless systems using PPM CDMA. Electronics and Communications in Japan, 2002, 85, 1-10.	0.1	9
111	Direct-detection optical cdma receiver with interference estimation and double optical hardlimiters. Journal of Lightwave Technology, 2003, 21, 2182-2188.	2.7	9
112	Parallel combinatory multiple-subcarrier optical wireless communication systems. International Journal of Communication Systems, 2005, 18, 195-203.	1.6	9
113	Size Compatible (SC)-Array LDPC Codes. Vehicular Technology Conference-Fall (VTC-FALL), Proceedings, IEEE, 2007, , .	0.0	9
114	Detection performance of security system using radio waves based on space-time signal processing. Procedia, Social and Behavioral Sciences, 2010, 2, 171-178.	0.5	9
115	Internal Threats Avoiding Based Forwarding Protocol in Social Selfish Delay Tolerant Networks. , 2011, , .		9
116	Heartbeat detection with Doppler sensor using adaptive scale factor selection on learning. , 2015, , .		9
117	DOA estimation in MIMO radar using temporal spatial virtual array with MUSIC algorithm. , 2015, , .		9
118	Improvement of Blink Detection Using a Doppler Sensor Based on CFAR Processing. , 2016, , .		9
119	QoE and throughput aware radio resource allocation algorithm in LTE network with users using different applications. , 2016, , .		9
120	Biometric authentication using hand movement information from wrist-worn PPG sensors. , 2016, , .		9
121	IGMM-Based Co-Localization of Mobile Users With Ambient Radio Signals. IEEE Internet of Things Journal, 2017, 4, 308-319.	5.5	9
122	Novel Unsupervised SPITters Detection Scheme by Automatically Solving Unbalanced Situation. IEEE Access, 2017, 5, 6746-6756.	2.6	9
123	A closed-form expression for performance optimization of subcarrier intensity QAM signals-based relay-added FSO systems with APD. Physical Communication, 2018, 31, 203-211.	1.2	9
124	Non-Contact Heartbeat Detection by MUSIC with Discrete Cosine Transform-Based Parameter Adjustment. , 2018, , .		9
125	Doppler Sensor-Based Blink Duration Estimation by Analysis of Eyelids Closing and Opening Behavior on Spectrogram. IEEE Access, 2019, 7, 42726-42734.	2.6	9
126	Non-Contact Heartbeat Detection by Heartbeat Signal Reconstruction Based on Spectrogram Analysis With Convolutional LSTM. IEEE Access, 2020, 8, 123603-123613.	2.6	9

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127	Spectral Viterbi Algorithm for Contactless Wide-Range Heart Rate Estimation With Deep Clustering. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 2629-2641.	2.9	9
128	An optical synchronous M-ary FSK/CDMA system using an interference canceler. Electronics and Communications in Japan, 2000, 83, 20-32.	0.1	8
129	Joint SVD-GSVD Precoding Technique and Secrecy Capacity Lower Bound for the MIMO Relay Wire-Tap Channel. , 2012, , .		8
130	Room-level proximity detection based on RSS of dual-band Wi-Fi signals. , 2016, , .		8
131	Performance Analysis of PLC over Fading Channels with Colored Nakagami-m Background Noise. , 2017, , .		8
132	Joint Multiple Subspace-based BSS Method for Fetal Heart Rate Extraction from Non-invasive Recordings. , 2020, 2020, 616-620.		8
133	Spectrum-Aware Energy Efficiency Analysis in K-tier 5G HetNets. Electronics (Switzerland), 2021, 10, 839.	1.8	8
134	Range-free localization algorithm using local expected hop length in wireless sensor network. , 2010, , .		7
135	Orthogonal beamforming using Gram-Schmidt orthogonalization for multi-user MIMO downlink system. Eurasip Journal on Wireless Communications and Networking, 2011, 2011, .	1.5	7
136	On Physical Layer Simulation Model for 6-Axis Sensor Assisted VLC Based Positioning System. , 2011, , .		7
137	Cooperative fall detection using Doppler radar and array sensor. , 2013, , .		7
138	Q-Learning Based Cell Selection for UE Outage Reduction in Heterogeneous Networks. , 2014, , .		7
139	Stochastic geometry based analytical modeling of cognitive heterogeneous cellular networks. , 2014, , .		7
140	Service-aware user-centric clustering and scheduling for cloud-RAN with coordinated multi-point transmission. , 2015, , .		7
141	Channel prediction for massive MIMO with channel compression based on principal component analysis. , 2016, , .		7
142	Energy-Efficient Channel Hopping Protocol for Cognitive Radio Networks. , 2017, , .		7
143	Performance Analysis of Physical Layer Security over Rician/Nakagami-m Fading Channels. , 2017, , .		7
144	Nonlinear Blind Source Separation Unifying Vanishing Component Analysis and Temporal Structure. IEEE Access, 2018, 6, 42837-42850.	2.6	7

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145	Precoding Aided Generalized Spatial Modulation With an Iterative Greedy Algorithm. IEEE Access, 2018, 6, 72449-72457.	2.6	7
146	Robust Heartbeat Detection with Doppler Radar Based on Stochastic Gradient Approach. , 2018, , .		7
147	Non-contact Blood Pressure Measurement using Doppler Radar based on Waveform Analysis by LSTM. , 2021, , .		7
148	An Indoor Position Estimation Method by Maximum Likelihood Algorithm Using Received Signal Strength. SICE Journal of Control Measurement and System Integration, 2008, 1, 251-256.	0.4	7
149	Performance of Concatenated Code with LDPC Code and RSC Code. , 2006, , .		6
150	Cooperative Diversity Can Mitigate Keyhole Effects in Wireless MIMO Systems. , 2009, , .		6
151	Development of MMSE Macro-Diversity Receiver with Delay Difference Correction Technique. , 2011, , .		6
152	A state classification method based on space-time signal processing using SVM for wireless monitoring systems. , 2011, , .		6
153	Interference detection technique using robust LLR for superposed multicarrier transmission. , 2013, , .		6
154	Cell selection for open-access femtocell networks: Learning in changing environment. Physical Communication, 2014, 13, 42-52.	1.2	6
155	Sarcasm Detection in Twitter: "All Your Products Are Incredibly Amazing!!!" - Are They Really?. , 2014, , .		6
156	User identification based on toothbrushing information using three-axis accelerometer. , 2015, , .		6
157	Room-level proximity detection using beacon frame from multiple access points. , 2015, , .		6
158	Analytical modeling of cognitive heterogeneous cellular networks over Nakagami-m fading. Eurasip Journal on Wireless Communications and Networking, 2015, 2015, .	1.5	6
159	Fair Pilot Assignment Based on AOA and Pathloss with Location Information in Massive MIMO. , 2017, , .		6
160	Green heterogeneous networks via an intelligent power control strategy and D2D communications. , 2017, , .		6
161	Antenna Parameters Optimization in Self-Organizing Networks: Multi-Armed Bandits with Pareto Search. , 2017, , .		6
162	Smart Energy Harvesting for Internet of Things. , 2018, , .		6

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163	Underdetermined Blind Source Separation With Multi-Subspace for Nonlinear Representation. IEEE Access, 2019, 7, 84545-84557.	2.6	6
164	Orthogonality Structure Designs for Generalized Precoding Aided Spatial Modulation. IEEE Wireless Communications Letters, 2019, 8, 1406-1409.	3.2	6
165	Polynomial Networks Representation of Nonlinear Mixtures with Application in Underdetermined Blind Source Separation. , 2019, , .		6
166	MUSIC-based Non-contact Heart Rate Estimation with Adaptive Window Size Setting. , 2019, 2019, 6073-6076.		6
167	An Infrared Array Sensor-Based Method for Localizing and Counting People for Health Care and Monitoring. , 2020, 2020, 4151-4155.		6
168	Learning and Analysis of Damping Factor in Massive MIMO Detection Using BP Algorithm With Node Selection. IEEE Access, 2020, 8, 96859-96866.	2.6	6
169	Array Antenna based Localization Using Spatial Smoothing Processing. Journal of Communications, 2012, 7, .	1.3	6
170	Low complexity source localization algorithms in sensor networks. , 2005, , .		5
171	WLC36-2: Convergence Acceleration of Iterative Signal Detection for MIMO System with Belief Propagation. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	5
172	Signal-subspace-partition event filtering for eigenvector-based security system using radio waves. , 2009, , .		5
173	An improved user selection algorithm in multiuser MIMO broadcast. , 2009, , .		5
174	Epidemic theory based H + 1 hop forwarding for intermittently connected mobile ad hoc networks. Eurasip Journal on Wireless Communications and Networking, 2012, 2012, .	1.5	5
175	Cell selection using distributed Q-learning in heterogeneous networks. , 2013, , .		5
176	Interference suppression using EM algorithm in OFDM transmissions. , 2014, , .		5
177	Outage probability analysis in bidirectional full-duplex SISO system with self-interference. , 2014, , .		5
178	Activity recognition using array antenna. , 2015, , .		5
179	Interference alignment and power allocation for multi-user MIMO interference channels. , 2016, , .		5
180	Joint Interference Alignment and Power Allocation for Multi-User MIMO Interference Channels Under Perfect and Imperfect CSI. IEEE Transactions on Green Communications and Networking, 2017, 1, 131-144.	3.5	5

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181	Exploiting Interference for Capacity Improvement in Software-Defined Vehicular Networks. IEEE Access, 2017, 5, 10662-10673.	2.6	5
182	Optimal Sleep & Wakeup Mechanism for Green Internet of Things. , 2019, , .		5
183	Deep Clustering with LSTM for Vital Signs Separation in Contact-free Heart Rate Estimation. , 2020, , .		5
184	Online Recursive ICA Algorithm Used for Motor Imagery EEG Signal. , 2020, 2020, 502-505.		5
185	Noncontact Heartbeat Detection by Viterbi Algorithm with Fusion of Beat-Beat Interval and Deep Learning-Driven Branch Metrics. , 2021, , .		5
186	Influence and Mitigation of Pedestrian Blockage at mmWave Cellular Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 15442-15457.	3.9	5
187	Adaptive Q-Learning Cell Selection Method for Open-Access Femtocell Networks: Multi-User Case. IEICE Transactions on Communications, 2014, E97.B, 1679-1688.	0.4	5
188	Lightweight Network Design Based on ResNet Structure for Modulation Recognition. , 2021, , .		5
189	Constructing Mobile Crowdsourced COVID-19 Vulnerability Map With Geo-Indistinguishability. IEEE Internet of Things Journal, 2022, 9, 17403-17416.	5.5	5
190	Activity Detection using 2D LIDAR for Healthcare and Monitoring. , 2021, , .		5
191	Smartphone-Aided Human Activity Recognition Method using Residual Multi-Layer Perceptron. , 2022, , .		5
192	User selection scheme with secrecy capacity in MIMO downlink systems. Procedia, Social and Behavioral Sciences, 2010, 2, 161-170.	0.5	4
193	Interference alignment in the 2 × (1 + N) MIMO model. , 2010, , .		4
194	Performance evaluation of iterative LDPC-coded MIMO OFDM system with time interleaving in mobile line-of-sight environments. , 2010, , .		4
195	Codebook Based Interference Mitigation with Base Station Cooperation in Multi-Cell Cellular Network. , 2011, , .		4
196	Robust DOA Estimation for Uncorrelated and Coherent Signals. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2011, E94-A, 2035-2038.	0.2	4
197	Human activity classification and localization algorithm based on temporal-spatial virtual array. , 2013, , .		4
198	Blink detection using Doppler sensor. , 2014, , .		4

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199	Graph Theory Based Capacity Analysis for Vehicular Ad Hoc Networks. , 2014, , .		4
200	Iterative estimation of undesired signal power for superposed multicarrier transmission with channel estimation error. , 2014, , .		4
201	Complexity reduction of pico cell clustering for interference alignment in heterogeneous networks. , 2015, , .		4
202	Enhanced Channel Hopping Algorithm for Heterogeneous Cognitive Radio Networks. , 2018, , .		4
203	Improved Sparse Adaptive Algorithms for Accurate Non-contact Heartbeat Detection Using Time-Window-Variation Technique. , 2018, 2018, 1-6.		4
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