

# Fumiyuki Adachi

## List of Publications by Year in descending order

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211  
papers

4,055  
citations

201674

27  
h-index

128289

60  
g-index

211  
all docs

211  
docs citations

211  
times ranked

3359  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Application of MIMO to Non-Orthogonal Multiple Access. IEEE Transactions on Wireless Communications, 2016, 15, 537-552.	9.2	710
2	6G: Opening New Horizons for Integration of Comfort, Security, and Intelligence. IEEE Wireless Communications, 2020, 27, 126-132.	9.0	442
3	Deep-Learning-Based Millimeter-Wave Massive MIMO for Hybrid Precoding. IEEE Transactions on Vehicular Technology, 2019, 68, 3027-3032.	6.3	363
4	A Survey on Resource Allocation for 5G Heterogeneous Networks: Current Research, Future Trends, and Challenges. IEEE Communications Surveys and Tutorials, 2021, 23, 668-695.	39.4	305
5	Deep Learning for Physical-Layer 5G Wireless Techniques: Opportunities, Challenges and Solutions. IEEE Wireless Communications, 2020, 27, 214-222.	9.0	261
6	Transceiver Design and Multihop D2D for UAV IoT Coverage in Disasters. IEEE Internet of Things Journal, 2019, 6, 1803-1815.	8.7	132
7	Deep Reinforcement Learning for UAV Navigation Through Massive MIMO Technique. IEEE Transactions on Vehicular Technology, 2020, 69, 1117-1121.	6.3	92
8	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.	9.2	66
9	Introduction of Frequency-Domain Signal Processing to Broadband Single-Carrier Transmissions in a Wireless Channel. IEICE Transactions on Communications, 2009, E92-B, 2789-2808.	0.7	61
10	Energy Efficiency Maximization in NOMA Enabled Backscatter Communications With QoS Guarantee. IEEE Wireless Communications Letters, 2021, 10, 353-357.	5.0	59
11	Frequency-Domain Equalization for Broadband Single-Carrier Multiple Access. IEICE Transactions on Communications, 2009, E92-B, 1441-1456.	0.7	57
12	Improved adaptive sparse channel estimation based on the least mean square algorithm. , 2013, , .		55
13	Automatic Modulation Classification for MIMO Systems via Deep Learning and Zero-Forcing Equalization. IEEE Transactions on Vehicular Technology, 2020, 69, 5688-5692.	6.3	53
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.	3.6	52
15	Deep Learning-Based Sum Data Rate and Energy Efficiency Optimization for MIMO-NOMA Systems. IEEE Transactions on Wireless Communications, 2020, 19, 5373-5388.	9.2	51
16	Multiple Unmanned-Aerial-Vehicles Deployment and User Pairing for Nonorthogonal Multiple Access Schemes. IEEE Internet of Things Journal, 2021, 8, 1883-1895.	8.7	50
17	Uplink Precoding Optimization for NOMA Cellular-Connected UAV Networks. IEEE Transactions on Communications, 2020, 68, 1271-1283.	7.8	47
18	New direction of broadband wireless technology. Wireless Communications and Mobile Computing, 2007, 7, 969-983.	1.2	46

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19	CV-3DCNN: Complex-Valued Deep Learning for CSI Prediction in FDD Massive MIMO Systems. IEEE Wireless Communications Letters, 2021, 10, 266-270.	5.0	44
20	Decentralized Energy Allocation for Wireless Networks With Renewable Energy Powered Base Stations. IEEE Transactions on Communications, 2015, 63, 2126-2142.	7.8	41
21	Adaptive system identification using robust LMS/F algorithm. International Journal of Communication Systems, 2014, 27, 2956-2963.	2.5	39
22	Federated Learning for Automatic Modulation Classification Under Class Imbalance and Varying Noise Condition. IEEE Transactions on Cognitive Communications and Networking, 2022, 8, 86-96.	7.9	39
23	Principal Component Analysis-Based Broadband Hybrid Precoding for Millimeter-Wave Massive MIMO Systems. IEEE Transactions on Wireless Communications, 2020, 19, 6331-6346.	9.2	37
24	Lightweight Automatic Modulation Classification Based on Decentralized Learning. IEEE Transactions on Cognitive Communications and Networking, 2022, 8, 57-70.	7.9	32
25	Automatic Modulation Classification Based on Decentralized Learning and Ensemble Learning. IEEE Transactions on Vehicular Technology, 2022, 71, 7942-7946.	6.3	32
26	Sparse signal recovery with OMP algorithm using sensing measurement matrix. IEICE Electronics Express, 2011, 8, 285-290.	0.8	30
27	Stable adaptive sparse filtering algorithms for estimating multiple input-output channels. IET Communications, 2014, 8, 1032-1040.	2.2	30
28	Sparse least mean fourth algorithm for adaptive channel estimation in low signal-to-noise ratio region. International Journal of Communication Systems, 2014, 27, 3147-3157.	2.5	29
29	Online Ski Rental for ON/OFF Scheduling of Energy Harvesting Base Stations. IEEE Transactions on Wireless Communications, 2017, 16, 2976-2990.	9.2	28
30	Cross-Layer Resource Allocation for UAV-Assisted Wireless Caching Networks With NOMA. IEEE Transactions on Vehicular Technology, 2021, 70, 3428-3438.	6.3	28
31	Enabling Grant-Free URLLC: An Overview of Principle and Enhancements by Massive MIMO. IEEE Internet of Things Journal, 2022, 9, 384-400.	8.7	27
32	Sojourn Time-Based Velocity Estimation in Small Cell Poisson Networks. IEEE Communications Letters, 2016, 20, 340-343.	4.1	24
33	Joint UL/DL Resource Allocation for UAV-Aided Full-Duplex NOMA Communications. IEEE Transactions on Communications, 2021, 69, 8474-8487.	7.8	22
34	High-resolution compressive channel estimation for broadband wireless communication systems. International Journal of Communication Systems, 2014, 27, 2396-2407.	2.5	20
35	Performance Analysis of Fountain Codes in Multihop Relay Networks. IEEE Transactions on Vehicular Technology, 2013, 62, 4379-4391.	6.3	19
36	Least mean square/fourth algorithm for adaptive sparse channel estimation. , 2013, , .		19

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37	Variable earns profit: Improved adaptive channel estimation using sparse VSS-NLMS algorithms. , 2014, , .		19
38	QoS-Oriented Dynamic Power Allocation in NOMA-Based Wireless Caching Networks. IEEE Wireless Communications Letters, 2021, 10, 82-86.	5.0	19
39	Robust Resource Allocation for Two-Tier HetNets: An Interference-Efficiency Perspective. IEEE Transactions on Green Communications and Networking, 2021, 5, 1514-1528.	5.5	18
40	Semi-Supervised Machine Learning Aided Anomaly Detection Method in Cellular Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 8459-8467.	6.3	17
41	Channel segregation based dynamic channel assignment for WLAN. , 2012, , .		16
42	Aviation Data Lake: Using Side Information to Enhance Future Air-Ground Vehicle Networks. IEEE Vehicular Technology Magazine, 2021, 16, 40-48.	3.4	16
43	Online ski rental for scheduling self-powered, energy harvesting small base stations. , 2016, , .		15
44	Sub-Nyquist rate ADC sampling-based compressive channel estimation. Wireless Communications and Mobile Computing, 2015, 15, 639-648.	1.2	14
45	A Novel Cooperative Relaying Network Scheme with Inter-Relay Data Exchange. IEICE Transactions on Communications, 2009, E92-B, 1786-1795.	0.7	14
46	Recent advances in single-carrier distributed antenna network. Wireless Communications and Mobile Computing, 2011, 11, 1551-1563.	1.2	13
47	Recent Advances in Single-Carrier Frequency-Domain Equalization and Distributed Antenna Network. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2010, E93-A, 2201-2211.	0.3	12
48	A Handoff Algorithm Based on Estimated Load for Dense Green 5G Networks. , 2015, , .		12
49	Beamspace channel estimation for 3D lens-based millimeter-wave massive MIMO systems. , 2016, , .		11
50	PRIDE: Path Integration Based Delay Estimation in Multi-Device Multi-Path Environments. IEEE Transactions on Vehicular Technology, 2018, 67, 11587-11596.	6.3	11
51	Competitive cell association and antenna allocation in 5G massive MIMO networks. , 2015, , .		10
52	Low-complexity large-scale multiple-input multiple-output channel estimation using affine combination of sparse least mean square filters. IET Communications, 2015, 9, 2168-2175.	2.2	10
53	Learning-based joint power and channel assignment for hyper dense 5G networks. , 2016, , .		10
54	Variable is good: Adaptive sparse channel estimation using VSS-ZA-NLMS algorithm. , 2013, , .		9

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55	Wireless network access selection scheme for heterogeneous multimedia traffic. IET Networks, 2013, 2, 214-223.	1.8	9
56	Frequency-domain space-time block coded single-carrier distributed antenna network. IEICE Communications Express, 2013, 2, 141-147.	0.4	9
57	Structured Matching Pursuit for Reconstruction of Dynamic Sparse Channels. , 2015, , .		9
58	Fuzzy logic game-theoretic approach for energy efficient operation in HetNets. , 2017, , .		9
59	Joint Transmit/Receive MMSE-FDE for MIMO Analog Network Coding in Single-Carrier Bi-Directional Relay Communications. , 2012, , .		8
60	Adaptive sparse channel estimation using re-weighted zero-attracting normalized least mean fourth. , 2013, , .		7
61	Bayesian Sparse Channel Estimation and Data Detection for OFDM Communication Systems. , 2013, , .		7
62	Selective mapping for broadband single-carrier transmission using joint Tx/Rx MMSE-FDE. , 2013, , .		7
63	Extra gain: Improved sparse channel estimation using reweighted $\ell_1$ -norm penalized LMS/F algorithm. , 2014, , .		7
64	Two Are Better Than One: Adaptive Sparse System Identification Using Affine Combination of Two Sparse Adaptive Filters. , 2014, , .		7
65	Interference-Aware Channel Segregation Based Dynamic Channel Assignment for Wireless Networks. IEICE Transactions on Communications, 2015, E98.B, 854-860.	0.7	7
66	A blind selected mapping technique for low-PAPR single-carrier signal transmission. , 2015, , .		7
67	Statistical CSI Acquisition in the Nonstationary Massive MIMO Environment. IEEE Transactions on Vehicular Technology, 2018, 67, 7181-7190.	6.3	7
68	Frequency Domain Adaptive Antenna Array for Broadband Single-Carrier Uplink Transmission. IEICE Transactions on Communications, 2011, E94-B, 2003-2012.	0.7	6
69	Performance evaluation of Low-PAPR transmit filter for single-carrier transmission. , 2012, , .		6
70	Spectral Efficiency of Distributed Antenna Network Using MIMO Spatial Multiplexing. , 2012, , .		6
71	Wireless optical convergence enables spectrum-energy efficient wireless networks. , 2014, , .		6
72	A Handoff Algorithm Based on Estimated Load for Dense Green 5G Networks. , 2014, , .		6

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73	Excess-Bandwidth Transmit Filtering Based on Minimization of Variance of Instantaneous Transmit Power for Low-PAPR SC-FDE. IEICE Transactions on Communications, 2015, E98.B, 673-685.	0.7	6
74	Two Novel Handover Algorithms with Load Balancing for Heterogeneous Network. , 2015, , .		6
75	Adaptive Code Assignment Algorithm for a Multi-User/Multi-Rate CDMA System. IEICE Transactions on Communications, 2009, E92-B, 1600-1607.	0.7	6
76	Joint Iterative Transmit/Receive FDE & FDIC for Single-Carrier Block Transmissions. IEICE Transactions on Communications, 2011, E94-B, 1396-1404.	0.7	6
77	Capacity and BER performance considerations on single-carrier frequency-domain equalization. , 2011, , .		5
78	Performance analysis on FDE receiver for single carrier transmission. , 2012, , .		5
79	Transmit FDE weight design for single-carrier space-time block coded joint transmit/receive diversity. , 2013, , .		5
80	Adaptive sparse channel estimation for time-variant MIMO-OFDM systems. , 2013, , .		5
81	Energy-efficient dynamic spectrum access in wireless heterogeneous networks. , 2015, , .		5
82	Online Channel Allocation for Full-Duplex Device-to-Device Communications. , 2016, , .		5
83	A Novel Compression CSI Feedback based on Deep Learning for FDD Massive MIMO Systems. , 2021, , .		5
84	Joint Tx/Rx MMSE Filtering for Single-Carrier MIMO Transmission. IEICE Transactions on Communications, 2014, E97.B, 1967-1976.	0.7	5
85	Distributed antenna network for gigabit wireless access. , 2011, , .		4
86	Linearly distributed antenna diversity using single frequency network for high-speed railway communications. , 2013, , .		4
87	Spectrally Efficient Packet Recovery in Delay Constrained Rateless Coded Multihop Networks. IEEE Transactions on Communications, 2013, 61, 4462-4474.	7.8	4
88	Sparse Channel Estimation for MIMO-OFDM Amplify-and-Forward Two-Way Relay Networks. , 2013, , .		4
89	Two-Dimensional Block-Spread CDMA Relay Using Virtual-Four-Antenna STCDD. IEEE Transactions on Vehicular Technology, 2013, 62, 3813-3827.	6.3	4
90	Variable Is Better Than Invariable: Sparse VSS-NLMS Algorithms with Application to Adaptive MIMO Channel Estimation. Scientific World Journal, The, 2014, 2014, 1-10.	2.1	4

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91	Compressive Sensing Based Bayesian Sparse Channel Estimation for OFDM Communication Systems: High Performance and Low Complexity. Scientific World Journal, The, 2014, 2014, 1-10.	2.1	4
92	Structured Matching Pursuit for Reconstruction of Dynamic Sparse Channels. , 2014, , .		4
93	Spectrum Efficient Single-Sideband Single-Carrier with Frequency-Domain Equalization. , 2015, , .		4
94	Spectrum Efficiency Analysis and Adaptive Transceiver Design for Single-Carrier Multiuser Transmission. IEEE Transactions on Vehicular Technology, 2015, 64, 3566-3577.	6.3	4
95	Efficient multihop transmission scheme for error-free relay forwarding in cooperative networks. Wireless Communications and Mobile Computing, 2015, 15, 755-769.	1.2	4
96	Correntropy Induced Metric Penalized Sparse RLS Algorithm to Improve Adaptive System Identification. , 2016, , .		4
97	Evaluation of Machine Learnable Bandwidth Allocation Strategy for User Cooperative Traffic Forwarding. IEEE Access, 2019, 7, 85213-85225.	4.2	4
98	2-Step QRM-MLBD for Broadband Single-Carrier Transmission. IEICE Transactions on Communications, 2012, E95.B, 1366-1374.	0.7	4
99	Signal-Carrier Cooperative DF Relay Using Adaptive Modulation. IEICE Transactions on Communications, 2014, E97.B, 387-395.	0.7	4
100	Analog Single-Carrier Transmission with Frequency-Domain Equalization. IEICE Transactions on Communications, 2014, E97.B, 1958-1966.	0.7	4
101	MMSE Turbo Equalization for Multicode DS-CDMA. , 2006, , .		3
102	Throughput Performance of MC-CDMA HARQ Using ICI Cancellation. IEICE Transactions on Communications, 2009, E92-B, 491-498.	0.7	3
103	Iterative MMSE Detection with Interference Cancellation for Up-Link HARQ Using Frequency-Domain Filtered SC-FDMA MIMO Multiplexing. IEICE Transactions on Communications, 2011, E94-B, 3559-3568.	0.7	3
104	Improved 2-Step QRM-ML Block Signal Detection for Single-Carrier Transmission. , 2011, , .		3
105	Nash bargaining solution based subcarrier allocation for uplink SC-FDMA distributed antenna network. , 2012, , .		3
106	Iterative Overlap TD-QRM-ML Block Signal Detection for Single-Carrier Transmission without CP Insertion. , 2012, , .		3
107	An adaptive multiuser scheduling and chunk allocation algorithm for uplink SIMO SC-FDMA. , 2014, , .		3
108	Robust frequency-domain equalization against doubly selective fading for single-carrier STBC time-division duplex transmission. , 2014, , .		3

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109	RLS Channel Estimation with Adaptive Forgetting Factor for DS-CDMA Frequency-Domain Equalization. IEICE Transactions on Communications, 2009, E92-B, 1457-1465.	0.7	3
110	2-Step Maximum Likelihood Channel Estimation for Multicode DS-CDMA with Frequency-Domain Equalization. IEICE Transactions on Communications, 2009, E92-B, 2065-2071.	0.7	3
111	Handover Strategy Based on Side Information in Air-Ground Integrated Vehicular Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 10823-10831.	6.3	3
112	Pilot assisted channel estimation for MC-CDMA signal transmission using overlap FDE. , 2008, , .		2
113	Joint Frequency-Domain Equalization and Despreading for Multi-Code DS-CDMA Using Cyclic Delay Transmit Diversity. IEICE Transactions on Communications, 2009, E92-B, 1563-1572.	0.7	2
114	Performance Comparison of Overlap FDE and Sliding-Window Chip Equalization for Multi-Code DS-CDMA in a Frequency-Selective Fading Channel. IEICE Transactions on Communications, 2011, E94-B, 750-757.	0.7	2
115	Adaptive power allocation for bi-directional single-carrier relay using analog network coding. , 2011, , .		2
116	Capacity-Fairness Controllable Scheduling for Uplink Single-Carrier FDMA. , 2013, , .		2
117	Multi-channel access in wireless networks using interference-aware channel segregation based dynamic channel assignment. , 2013, , .		2
118	Uplink capacity and required transmit power of DS-CDMA DAN. , 2013, , .		2
119	Low-PAPR joint transmit/received SC-FDE transmission using time-domain selected mapping. , 2014, , .		2
120	Vector perturbation for single-carrier MU-MIMO downlink. , 2014, , .		2
121	Frequency-domain based single-carrier waveform design through precoder. , 2014, , .		2
122	Reliable and energy-efficient OFDM based on structured compressive sensing. , 2014, , .		2
123	Joint Tx/Rx signal processing for uplink distributed antenna network using single-carrier MU-MIMO. , 2015, , .		2
124	Energy-efficient radio resource management for next generation dense HetNet. , 2015, , .		2
125	Context Aware Medium Access Control for Buffer-Aided Multichannel Cognitive Networks. , 2015, , .		2
126	Joint machine-type device selection and power allocation for buffer-aided cognitive M2M communication. , 2015, , .		2



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127	Deep Transfer Learning for 5G Massive MIMO Downlink CSI Feedback. , 2021, , .		2
128	Lightweight Network and Model Aggregation for Automatic Modulation Classification in Wireless Communications. , 2021, , .		2
129	Throughput Optimization in Rateless Coded Cooperative Relay Networks. IEICE Transactions on Communications, 2012, E95.B, 1810-1814.	0.7	2
130	Capacity-Fairness Controllable Scheduling Algorithms for Single-Carrier FDMA. IEICE Transactions on Communications, 2014, E97.B, 1474-1482.	0.7	2
131	Training Sequence Inserted OFDM Transmission with MMSE-FDE. IEICE Transactions on Communications, 2014, E97.B, 476-483.	0.7	2
132	Iterative MMSE-FDE/MUI Cancellation and Antenna Diversity for Frequency-Domain Filtered SC-FDMA Uplink. IEICE Transactions on Communications, 2011, E94.B, 2847-2856.	0.7	2
133	Uplink Capacity of OFDM Multi-User MIMO Using Near-ML Detection in a Cellular System. IEICE Transactions on Communications, 2012, E95-B, 198-205.	0.7	2
134	Joint Transmit/Receive MMSE-FDE for Analog Network Coded Single-Carrier Bi-directional Multi-Antenna Relay. IEICE Transactions on Communications, 2013, E96.B, 3153-3162.	0.7	2
135	Comprehensive evaluation of chip interleaving effect on turbo-coded DS-SS in a Rayleigh fading channel with antenna diversity reception. Wireless Communications and Mobile Computing, 2006, 6, 49-60.	1.2	1
136	Throughput of Type II HARQ-OFDM/TDM Using MMSE-FDE in a Multipath Channel. Research Letters in Communications, 2009, 2009, 1-4.	0.9	1
137	Frequency-Domain Block Signal Detection for Single-Carrier Transmission. IEICE Transactions on Communications, 2010, E93-B, 2104-2112.	0.7	1
138	BER analysis of DS-UWB system employing a laplace distribution model. IEICE Electronics Express, 2011, 8, 1089-1095.	0.8	1
139	Joint MMSE-FDE & Spectrum Combining for a Broadband Single-Carrier Transmission in the Presence of Timing Offset. IEICE Transactions on Communications, 2011, E94-B, 1366-1375.	0.7	1
140	Uplink Capacity of A Cellular System Using Multi-user Single-carrier MIMO Multiplexing Combined with Frequency-domain Equalization and Transmit Power Control. Wireless Personal Communications, 2011, 58, 455-468.	2.7	1
141	Joint Tx/Rx filtering for single-carrier MIMO spatial multiplexing and HARQ packet combining. , 2012, , .		1
142	2-Step Frequency-Domain Channel Estimation for Training Sequence Inserted Single-Carrier Block Transmission. , 2012, , .		1
143	Impact of Antenna Placement on Frequency Domain Adaptive Antenna Array in Hybrid FRF Cellular System. International Journal of Antennas and Propagation, 2012, 2012, 1-9.	1.2	1
144	Adaptive Single-Carrier MIMO Transmission Using Joint Tx/Rx MMSE Filtering. , 2013, , .		1

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145	Interference-aware channel segregation based dynamic channel assignment using SNR-based transmit power control. , 2013, , .		1
146	Spectrally efficient error free relay forwarding in cooperative multihop networks. , 2013, , .		1
147	AP cooperative diversity in wireless network using interference-aware channel segregation based dynamic channel assignment. , 2014, , .		1
148	Frequency-domain iterative MUI cancellation for duobinary partial response filtered SC-FDMA uplink. , 2014, , .		1
149	Analog SC-FDE using single sideband technique. , 2014, , .		1
150	Complexity-Reduced Per-Antenna Multiple Access Interference Cancellation for DAN Using DS-CDMA. , 2014, , .		1
151	Adaptive MIMO channel estimation using sparse variable step-size NLMS algorithms. , 2014, , .		1
152	Pseudo Block Coded Single-Carrier Frequency-Domain Equalization Transmission. , 2014, , .		1
153	A Novel Analog Signal Transmission Using Joint Space-Time Transmit Diversity and Receive Antenna Diversity. , 2014, , .		1
154	Space-time block coded amplify-and-forward cooperative relay without channel state information at relay station. , 2014, , .		1
155	Multi-group interference-aware channel segregation based dynamic channel assignment. , 2014, , .		1
156	Iterative Overlap QRM-ML Block Detection for Single-Carrier MIMO Transmission Without CP Insertion. <i>Wireless Personal Communications</i> , 2014, 74, 1163-1177.	2.7	1
157	Single-Carrier Multi-User MIMO Downlink with Time-Domain Tomlinson-Harashima Precoding. <i>IEICE Transactions on Communications</i> , 2016, E99.B, 471-480.	0.7	1
158	Pilot-Assisted Adaptive Channel Estimation for Coded MC-CDMA with ICI Cancellation. <i>IEICE Transactions on Communications</i> , 2009, E92-B, 246-253.	0.7	1
159	Channel Capacity of MC-CDMA and Impact of Residual ICI. <i>IEICE Transactions on Communications</i> , 2009, E92-B, 219-227.	0.7	1
160	Transmission Performance of Frequency-Domain Filtered Single-Carrier Transmission Using Frequency-Domain Block Signal Detection with QRM-MLD. <i>IEICE Transactions on Communications</i> , 2011, E94-B, 1386-1395.	0.7	1
161	Iterative Superimposed Pilot-Assisted Channel Estimation Using Sliding Wiener Filtering for Single-Carrier Block Transmission. <i>IEICE Transactions on Communications</i> , 2012, E95-B, 924-932.	0.7	1
162	Efficient Resource Utilization for Heterogeneous Wireless Personal Area Networks. <i>IEICE Transactions on Communications</i> , 2013, E96.B, 1577-1587.	0.7	1

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163	2-Step Frequency-Domain Iterative Channel Estimation for Training Sequence Inserted Single-Carrier Block Transmission. IEICE Transactions on Communications, 2014, E97.B, 146-154.	0.7	1
164	Automatic Modulation Recognition Method for Multiple Antenna System Based on Convolutional Neural Network. , 2020, , .		1
165	Downlink Site Diversity with Frequency-Domain Equalization for a DS-CDMA Cellular System. , 2006, , .		0
166	Downlink Site Selection Transmit Diversity with Power Allocation for a 2-Dimensional Block Spread DS-CDMA Cellular System. , 2007, , .		0
167	Multi-Code MC-CDMA Using Joint CDTD and Inter-Code Interference Cancellation. , 2008, , .		0
168	Pilot-assisted channel estimation for coexisting heterogeneous wireless personal area networks. , 2011, , .		0
169	Adaptive single-carrier transmission using QRM-ML block signal detection. , 2011, , .		0
170	Single-Carrier Incremental Relaying with Joint Tx/Rx FDE. , 2011, , .		0
171	Frequency-Domain One-Tap Weight Control for Single-Carrier Multiple Access with Multiple Antennas. , 2012, , .		0
172	IBI Cancellation and Circular Property Restoration for Broadband DS-CDMA Using FDE without CP Insertion. , 2012, , .		0
173	Single-carrier uplink cooperative DF relay using instantaneous CSI-based adaptive modulation. , 2012, , .		0
174	Improved channel estimation with partial sparse constraint for AF cooperative communication systems. , 2012, , .		0
175	Training sequence inserted single-carrier transmission using 2-step QRM-ML block signal detection. , 2012, , .		0
176	Adaptive Transceiver Design for Single Carrier Transmission. , 2013, , .		0
177	A Novel Receiver Design for Training Sequence Inserted OFDM Transmission. , 2013, , .		0
178	Transmit power control suitable for interference-aware channel segregation based dynamic channel assignment. , 2013, , .		0
179	Impact of Antenna Placement on the Radiation Pattern of Frequency Domain Adaptive Antenna Array. , 2013, , .		0
180	Joint Tx/Rx MMSE filtering and joint rank adaptation/adaptive modulation for single-carrier MIMO packet transmission. , 2013, , .		0

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181	Adaptive window width control for cyclic shifted pilot aided channel estimation suitable for SC-ANC bi-directional relay using joint Tx/Rx MMSE-FDE. , 2013, , .		0
182	Outage Channel Capacity of Direct/Cooperative AF Relay Switched SC-FDMA Using Spectrum Division/Adaptive Subcarrier Allocation. IEICE Transactions on Communications, 2013, E96.B, 1001-1011.	0.7	0
183	Distributed Antenna Tx/Rx Diversity Using Sparse Channel Estimation in Doubly Selective Nakagami-Rice Fading Channel. , 2014, , .		0
184	A Tunable Multiuser Grouping and Chunk Allocation Algorithm for Controlling Fairness-Capacity Tradeoff in SC FDMA/SDMA Transmission. , 2014, , .		0
185	Suitable is the best: Least absolute deviation algorithm under high-mobility non-Gaussian noise environments. , 2014, , .		0
186	Joint iterative Tx/Rx MMSE filtering & interference cancellation for SC-MIMO spatial multiplexing. , 2014, , .		0
187	Adaptive two-dimension MIMO channel estimation for single-carrier STBC time-division duplex transmission. , 2014, , .		0
188	Performance Analysis of Space-Time Block Coded Joint Tx/Rx Diversity Using Optimal Transmit FDE in Presence of Channel Estimation Error. , 2014, , .		0
189	Toward frequency- and energy-efficient high mobility wireless. , 2014, , .		0
190	Single-carrier transmission with frequency-domain based code-division multi-access. , 2014, , .		0
191	Frequency-Domain Equalization for Single-Carrier SFBC Diversity in a Frequency-Selective Fading. , 2015, , .		0
192	A reduced-complexity near-ML detection for broadband single-carrier transmission. IEICE Communications Express, 2015, 4, 363-369.	0.4	0
193	Analog SC-FDE using SSB technique. IEICE Communications Express, 2015, 4, 173-179.	0.4	0
194	Transmit Multi-Block FDE for Space-Time Block Coded Joint Transmit/Receive Diversity in a Quasi-Static Fading Channel. IEICE Transactions on Communications, 2015, E98.B, 2068-2078.	0.7	0
195	Joint Tx/Rx FDE & spectrum combining for SC-ANC bi-directional relay in presence of timing offset. , 2015, , .		0
196	Subcarrier Combining for an Analog Single-Carrier Transmission. , 2015, , .		0
197	Pseudo Block Coded Single-Carrier Transmission Using Frequency-Domain Block Signal Detection. , 2015, , .		0
198	Joint Tomlinson-Harashima Precoding and Transmit Equalization in Time-Domain for Single-Carrier MU-MIMO Block Transmission. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
199	Capacity-and-Energy Efficient Resource Allocation for Emergency Communications. , 2015, , .		0
200	Interference-aware channel segregation based dynamic channel assignment in HetNet. IEICE Communications Express, 2016, 5, 260-265.	0.4	0
201	Frequency-Domain Equalization for Single-Carrier Space-Time Block Coded Transmit Diversity in a High Mobility Environment. IEICE Transactions on Communications, 2016, E99.B, 1180-1188.	0.7	0
202	Uplink SCMA with STBC in Fading Channels. , 2020, , .		0
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