Fumiyuki Adachi

List of Publications by Year
in descending order

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	Lightweight Automatic Modulation Classification Based on Decentralized Learning. IEEE Transactions on Cognitive Communications and Networking, 2022, 8, 57-70.	7.9	32
2	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
3	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
4	Machine Learning-Aided Energy Efficiency Strategy for Multiuser Cooperative Networks. Wireless Communications and Mobile Computing, 2022, 2022, 1-8.	1.2	0
5	Automatic Modulation Classification Based on Decentralized Learning and Ensemble Learning. IEEE Transactions on Vehicular Technology, 2022, 71, 7942-7946.	6.3	32
6	Handover Strategy Based on Side Information in Air-Ground Integrated Vehicular Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 10823-10831.	6.3	3
7	QoS-Oriented Dynamic Power Allocation in NOMA-Based Wireless Caching Networks. IEEE Wireless Communications Letters, 2021, 10, 82-86.	5.0	19
8	Energy Efficiency Maximization in NOMA Enabled Backscatter Communications With QoS Guarantee. IEEE Wireless Communications Letters, 2021, 10, 353-357.	5.0	59
9	Aviation Data Lake: Using Side Information to Enhance Future Air-Ground Vehicle Networks. IEEE Vehicular Technology Magazine, 2021, 16, 40-48.	3.4	16
10	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
11	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
12	Joint UL/DL Resource Allocation for UAV-Aided Full-Duplex NOMA Communications. IEEE Transactions on Communications, 2021, 69, 8474-8487.	7.8	22
13	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
14	Deep Transfer Learning for 5G Massive MIMO Downlink CSI Feedback. , 2021, , .		2
15	A Novel Compression CSI Feedback based on Deep Learning for FDD Massive MIMO Systems. , 2021, , .		5
16	Lightweight Network and Model Aggregation for Automatic Modulation Classification in Wireless Communications. , 2021, , .		2
17	Cross-Layer Resource Allocation for UAV-Assisted Wireless Caching Networks With NOMA. IEEE Transactions on Vehicular Technology, 2021, 70, 3428-3438.	6.3	28
18	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

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19	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
20	Weighted-Beam Superposition for mmWave Massive MIMO-NOMA Systems. , 2021, , .		0
21	Deep Learning for Physical-Layer 5G Wireless Techniques: Opportunities, Challenges and Solutions. IEEE Wireless Communications, 2020, 27, 214-222.	9.0	261
22	Deep Reinforcement Learning for UAV Navigation Through Massive MIMO Technique. IEEE Transactions on Vehicular Technology, 2020, 69, 1117-1121.	6.3	92
23	Uplink Precoding Optimization for NOMA Cellular-Connected UAV Networks. IEEE Transactions on Communications, 2020, 68, 1271-1283.	7.8	47
24	Semi-Supervised Machine Learning Aided Anomaly Detection Method in Cellular Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 8459-8467.	6.3	17
25	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
26	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
27	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
28	Uplink SCMA with STBC in Fading Channels. , 2020, , .		0
29	6G: Opening New Horizons for Integration of Comfort, Security, and Intelligence. IEEE Wireless Communications, 2020, 27, 126-132.	9.0	442
30	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
31	Automatic Modulation Recognition Method for Multiple Antenna System Based on Convolutional Neural Network. , 2020, , .		1
32	Evaluation of Machine Learnable Bandwidth Allocation Strategy for User Cooperative Traffic Forwarding. IEEE Access, 2019, 7, 85213-85225.	4.2	4
33	Deep-Learning-Based Millimeter-Wave Massive MIMO for Hybrid Precoding. IEEE Transactions on Vehicular Technology, 2019, 68, 3027-3032.	6.3	363
34	Transceiver Design and Multihop D2D for UAV IoT Coverage in Disasters. IEEE Internet of Things Journal, 2019, 6, 1803-1815.	8.7	132
35	Statistical CSI Acquisition in the Nonstationary Massive MIMO Environment. IEEE Transactions on Vehicular Technology, 2018, 67, 7181-7190.	6.3	7
36	PRIDE: Path Integration Based Delay Estimation in Multi-Device Multi-Path Environments. IEEE Transactions on Vehicular Technology, 2018, 67, 11587-11596.	6.3	11

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37	Online Ski Rental for ON/OFF Scheduling of Energy Harvesting Base Stations. IEEE Transactions on Wireless Communications, 2017, 16, 2976-2990.	9.2	28
38	Fuzzy logic game-theoretic approach for energy efficient operation in HetNets. , 2017, , .		9
39	Single-Carrier Multi-User MIMO Downlink with Time-Domain Tomlinson-Harashima Precoding. IEICE Transactions on Communications, 2016, E99.B, 471-480.	0.7	1
40	Online Channel Allocation for Full-Duplex Device-to-Device Communications. , 2016, , .		5
41	Beamspace channel estimation for 3D lens-based millimeter-wave massive MIMO systems. , 2016, , .		11
42	Sojourn Time-Based Velocity Estimation in Small Cell Poisson Networks. IEEE Communications Letters, 2016, 20, 340-343.	4.1	24
43	Interference-aware channel segregation based dynamic channel assignment in HetNet. IEICE Communications Express, 2016, 5, 260-265.	0.4	0
44	Online ski rental for scheduling self-powered, energy harvesting small base stations. , 2016, , .		15
45	Correntropy Induced Metric Penalized Sparse RLS Algorithm to Improve Adaptive System Identification. , 2016, , .		4
46	Learning-based joint power and channel assignment for hyper dense 5G networks. , 2016, , .		10
47	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
48	The Application of MIMO to Non-Orthogonal Multiple Access. IEEE Transactions on Wireless Communications, 2016, 15, 537-552.	9.2	710
49	Joint Tx/Rx MMSE Filtering for Single-Carrier MIMO Eigenmode Transmission Using Iterative Interference Cancellation. IEICE Transactions on Communications, 2016, E99.B, 192-201.	0.7	0
50	Joint Tx/Rx signal processing for uplink distributed antenna network using single-carrier MU-MIMO. , 2015, , .		2
51	A Handoff Algorithm Based on Estimated Load for Dense Green 5G Networks. , 2015, , .		12
52	Frequency-Domain Equalization for Single-Carrier SFBC Diversity in a Frequency-Selective Fading. , 2015, , .		0
53	A reduced-complexity near-ML detection for broadband single-carrier transmission. IEICE Communications Express, 2015, 4, 363-369.	0.4	0
54	Analog SC-FDE using SSB technique. IEICE Communications Express, 2015, 4, 173-179.	0.4	0

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55	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
56	Interference-Aware Channel Segregation Based Dynamic Channel Assignment for Wireless Networks. IEICE Transactions on Communications, 2015, E98.B, 854-860.	0.7	7
57	A blind selected mapping technique for low-PAPR single-carrier signal transmission. , 2015, , .		7
58	Structured Matching Pursuit for Reconstruction of Dynamic Sparse Channels. , 2015, , .		9
59	Joint Tx/Rx FDE & spectrum combining for SC-ANC bi-directional relay in presence of timing offset. , 2015, , .		0
60	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
61	Two Novel Handover Algorithms with Load Balancing for Heterogeneous Network. , 2015, , .		6
62	Energy-efficient radio resource management for next generation dense HetNet. , 2015, , .		2
63	Subcarrier Combining for an Analog Single-Carrier Transmission. , 2015, , .		0
64	Context Aware Medium Access Control for Buffer-Aided Multichannel Cognitive Networks. , 2015, , .		2
65	Joint machine-type device selection and power allocation for buffer-aided cognitive M2M communication. , 2015, , .		2
66	Decentralized Energy Allocation for Wireless Networks With Renewable Energy Powered Base Stations. IEEE Transactions on Communications, 2015, 63, 2126-2142.	7.8	41
67	Pseudo Block Coded Single-Carrier Transmission Using Frequency-Domain Block Signal Detection. , 2015, , .		0
68	Spectrum Efficient Single-Sideband Single-Carrier with Frequency-Domain Equalization. , 2015, , .		4
69	Joint Tomlinson-Harashima Precoding and Transmit Equalization in Time-Domain for Single-Carrier MU-MIMO Block Transmission. , 2015, , .		0
70	Spectrum Efficiency Analysis and Adaptive Transceiver Design for Single-Carrier Multiuser Transmission. IEEE Transactions on Vehicular Technology, 2015, 64, 3566-3577.	6.3	4
71	Competitive cell association and antenna allocation in 5G massive MIMO networks. , 2015, , .		10
72	Capacity-and-Energy Efficient Resource Allocation for Emergency Communications. , 2015, , .		0

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73	Energy-efficient dynamic spectrum access in wireless heterogeneous networks. , 2015, , .		5
74	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
75	Efficient multihop transmission scheme for error-free relay forwarding in cooperative networks. Wireless Communications and Mobile Computing, 2015, 15, 755-769.	1.2	4
76	Sub-Nyquist rate ADC sampling-based compressive channel estimation. Wireless Communications and Mobile Computing, 2015, 15, 639-648.	1.2	14
77	Centralized Inter-Cell Interference Coordination Using Multi-Band 3D Beam-Switching in Cellular Networks. IEICE Transactions on Communications, 2015, E98.B, 1363-1372.	0.7	0
78	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
79	Adaptive system identification using robust LMS/F algorithm. International Journal of Communication Systems, 2014, 27, 2956-2963.	2.5	39
80	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
81	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
82	Wireless optical convergence enables spectrum-energy efficient wireless networks. , 2014, , .		6
83	Low-PAPR joint transmit/received SC-FDE transmission using time-domain selected mapping. , 2014, , .		2
84	AP cooperative diversity in wireless network using interference-aware channel segregation based dynamic channel assignment. , 2014, , .		1
85	A Handoff Algorithm Based on Estimated Load for Dense Green 5G Networks. , 2014, , .		6
86	Frequency-domain iterative MUI cancellation for duobinary partial response filtered SC-FDMA uplink. , 2014, , .		1
87	Analog SC-FDE using single sideband technique. , 2014, , .		1
88	Distributed Antenna Tx/Rx Diversity Using Sparse Channel Estimation in Doubly Selective Nakagami-Rice Fading Channel. , 2014, , .		0
89	A Tunable Multiuser Grouping and Chunk Allocation Algorithm for Controlling Fairness-Capacity Tradeoff in SC FDMA/SDMA Transmission. , 2014, , .		0
90	Suitable is the best: Least absolute deviation algorithm under high-mobility non-Gaussian noise environments. , 2014, , .		0

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91	Extra gain: Improved sparse channel estimation using reweighted &#x2113;<inf>1</inf>-norm penalized LMS/F algorithm. , 2014, , .		7
92	Complexity-Reduced Per-Antenna Multiple Access Interference Cancellation for DAN Using DS-CDMA. , 2014, , .		1
93	Adaptive MIMO channel estimation using sparse variable step-size NLMS algorithms. , 2014, , .		1
94	Pseudo Block Coded Single-Carrier Frequency-Domain Equalization Transmission. , 2014, , .		1
95	Joint iterative Tx/Rx MMSE filtering &amp; interference cancellation for SC-MIMO spatial multiplexing. , 2014, , .		0
96	A Novel Analog Signal Transmission Using Joint Space-Time Transmit Diversity and Receive Antenna Diversity. , 2014, , .		1
97	Adaptive two-dimension MIMO channel estimation for single-carrier STBC time-division duplex transmission. , 2014, , .		0
98	Vector perturbation for single-carrier MU-MIMO downlink. , 2014, , .		2
99	Two Are Better Than One: Adaptive Sparse System Identification Using Affine Combination of Two Sparse Adaptive Filters. , 2014, , .		7
100	Frequency-domain based single-carrier waveform design through precoder. , 2014, , .		2
101	Performance Analysis of Space-Time Block Coded Joint Tx/Rx Diversity Using Optimal Transmit FDE in Presence of Channel Estimation Error. , 2014, , .		0
102	Variable earns profit: Improved adaptive channel estimation using sparse VSS-NLMS algorithms. , 2014, , .		19
103	An adaptive multiuser scheduling and chunk allocation algorithm for uplink SIMO SC-FDMA. , 2014, , .		3
104	Space-time block coded amplify-and-forward cooperative relay without channel state information at relay station. , 2014, , .		1
105	Multi-group interference-aware channel segregation based dynamic channel assignment. , 2014, , .		1
106	Iterative Overlap QRM-ML Block Detection for Single-Carrier MIMO Transmission Without CP Insertion. Wireless Personal Communications, 2014, 74, 1163-1177.	2.7	1
107	Stable adaptive sparse filtering algorithms for estimating multiple‐input‐multiple‐output channels. IET Communications, 2014, 8, 1032-1040.	2.2	30
108	Robust frequency-domain equalization against doubly selective fading for single-carrier STBC time-division duplex transmission. , 2014, , .		3

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109	Toward frequency- and energy-efficient high mobility wireless. , 2014, , .		0
110	Reliable and energy-efficient OFDM based on structured compressive sensing. , 2014, , .		2
111	High‐resolution compressive channel estimation for broadband wireless communication systems. International Journal of Communication Systems, 2014, 27, 2396-2407.	2.5	20
112	Structured Matching Pursuit for Reconstruction of Dynamic Sparse Channels. , 2014, , .		4
113	Single-carrier transmission with frequency-domain based code-division multi-access. , 2014, , .		0
114	Capacity-Fairness Controllable Scheduling Algorithms for Single-Carrier FDMA. IEICE Transactions on Communications, 2014, E97.B, 1474-1482.	0.7	2
115	Signal-Carrier Cooperative DF Relay Using Adaptive Modulation. IEICE Transactions on Communications, 2014, E97.B, 387-395.	0.7	4
116	Training Sequence Inserted OFDM Transmission with MMSE-FDE. IEICE Transactions on Communications, 2014, E97.B, 476-483.	0.7	2
117	Joint Tx/Rx MMSE Filtering for Single-Carrier MIMO Transmission. IEICE Transactions on Communications, 2014, E97.B, 1967-1976.	0.7	5
118	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
119	Analog Single-Carrier Transmission with Frequency-Domain Equalization. IEICE Transactions on Communications, 2014, E97.B, 1958-1966.	0.7	4
120	Linearly distributed antenna diversity using single frequency network for high-speed railway communications. , 2013, , .		4
121	Improved adaptive sparse channel estimation based on the least mean square algorithm. , 2013, , .		55
122	Capacity-Fairness Controllable Scheduling for Uplink Single-Carrier FDMA. , 2013, , .		2
123	Spectrally Efficient Packet Recovery in Delay Constrained Rateless Coded Multihop Networks. IEEE Transactions on Communications, 2013, 61, 4462-4474.	7.8	4
124	Adaptive Single-Carrier MIMO Transmission Using Joint Tx/Rx MMSE Filtering. , 2013, , .		1
125	Adaptive Transceiver Design for Single Carrier Transmission. , 2013, , .		0
126	A Novel Receiver Design for Training Sequence Inserted OFDM Transmission. , 2013, , .		0

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127	Adaptive sparse channel estimation using re-weighted zero-attracting normalized least mean fourth. , 2013, , .		7
128	Bayesian Sparse Channel Estimation and Data Detection for OFDM Communication Systems. , 2013, , .		7
129	Variable is good: Adaptive sparse channel estimation using VSS-ZA-NLMS algorithm. , 2013, , .		9
130	Sparse Channel Estimation for MIMO-OFDM Amplify-and-Forward Two-Way Relay Networks. , 2013, , .		4
131	Two-Dimensional Block-Spread CDMA Relay Using Virtual-Four-Antenna STCDTD. IEEE Transactions on Vehicular Technology, 2013, 62, 3813-3827.	6.3	4
132	Transmit FDE weight design for single-carrier space-time block coded joint transmit/receive diversity. , 2013, , .		5
133	Performance Analysis of Fountain Codes in Multihop Relay Networks. IEEE Transactions on Vehicular Technology, 2013, 62, 4379-4391.	6.3	19
134	Multi-channel access in wireless networks using interference-aware channel segregation based dynamic channel assignment. , 2013, , .		2
135	Transmit power control suitable for interference-aware channel segregation based dynamic channel assignment. , 2013, , .		0
136	Adaptive sparse channel estimation for time-variant MIMO-OFDM systems. , 2013, , .		5
137	Uplink capacity and required transmit power of DS-CDMA DAN. , 2013, , .		2
138	Wireless network access selection scheme for heterogeneous multimedia traffic. IET Networks, 2013, 2, 214-223.	1.8	9
139	Interference-aware channel segregation based dynamic channel assignment using SNR-based transmit power control. , 2013, , .		1
140	Selective mapping for broadband single-carrier transmission using joint Tx/Rx MMSE-FDE. , 2013, , .		7
141	Spectrally efficient error free relay forwarding in cooperative multihop networks. , 2013, , .		1
142	Least mean square/fourth algorithm for adaptive sparse channel estimation. , 2013, , .		19
143	Impact of Antenna Placement on the Radiation Pattern of Frequency Domain Adaptive Antenna Array. , 2013, , .		0
144	Joint Tx/Rx MMSE filtering and joint rank adaptation/adaptive modulation for single-carrier MIMO packet transmission. , 2013, , .		0

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145	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
146	Frequency-domain space-time block coded single-carrier distributed antenna network. IEICE Communications Express, 2013, 2, 141-147.	0.4	9
147	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
148	Efficient Resource Utilization for Heterogeneous Wireless Personal Area Networks. IEICE Transactions on Communications, 2013, E96.B, 1577-1587.	0.7	1
149	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
150	Joint Transmit/Receive MMSE-FDE for MIMO Analog Network Coding in Single-Carrier Bi-Directional Relay Communications. , 2012, , .		8
151	Frequency-Domain One-Tap Weight Control for Single-Carrier Multiple Access with Multiple Antennas. , 2012, , .		0
152	Joint Tx/Rx filtering for single-carrier MIMO spatial multiplexing and HARQ packet combining. , 2012, , .		1
153	Nash bargaining solution based subcarrier allocation for uplink SC-FDMA distributed antenna network. , 2012, , .		3
154	IBI Cancellation and Circular Property Restoration for Broadband DS-CDMA Using FDE without CP Insertion. , 2012, , .		0
155	Iterative Overlap TD-QRM-ML Block Signal Detection for Single-Carrier Transmission without CP Insertion. , 2012, , .		3
156	Single-carrier uplink cooperative DF relay using instantaneous CSI-based adaptive modulation. , 2012, , .		0
157	2-Step Frequency-Domain Channel Estimation for Training Sequence Inserted Single-Carrier Block Transmission. , 2012, , .		1
158	Performance evaluation of Low-PAPR transmit filter for single-carrier transmission. , 2012, , .		6
159	Improved channel estimation with partial sparse constraint for AF cooperative communication systems. , 2012, , .		0
160	Spectral Efficiency of Distributed Antenna Network Using MIMO Spatial Multiplexing. , 2012, , .		6
161	Training sequence inserted single-carrier transmission using 2-step QRM-ML block signal detection. , 2012, , .		0
162	Performance analysis on FDE receiver for single carrier transmission. , 2012, , .		5

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163	Channel segregation based dynamic channel assignment for WLAN. , 2012, , .		16
164	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
165	2-Step QRM-MLBD for Broadband Single-Carrier Transmission. IEICE Transactions on Communications, 2012, E95.B, 1366-1374.	0.7	4
166	Throughput Optimization in Rateless Coded Cooperative Relay Networks. IEICE Transactions on Communications, 2012, E95.B, 1810-1814.	0.7	2
167	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
168	Iterative Superimposed Pilot-Assisted Channel Estimation Using Sliding Wiener Filtering for Single-Carrier Block Transmission. IEICE Transactions on Communications, 2012, E95-B, 924-932.	0.7	1
169	Capacity and BER performance considerations on single-carrier frequency-domain equalization. , 2011, , .		5
170	Pilot-assisted channel estimation for coexisting heterogeneous wireless personal area networks. , 2011, , .		0
171	Adaptive single-carrier transmission using QRM-ML block signal detection. , 2011, , .		0
172	BER analysis of DS-UWB system employing a laplace distribution model. IEICE Electronics Express, 2011, 8, 1089-1095.	0.8	1
173	Sparse signal recovery with OMP algorithm using sensing measurement matrix. IEICE Electronics Express, 2011, 8, 285-290.	0.8	30
174	Frequency Domain Adaptive Antenna Array for Broadband Single-Carrier Uplink Transmission. IEICE Transactions on Communications, 2011, E94-B, 2003-2012.	0.7	6
175	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
176	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
177	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
178	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
179	Recent advances in single‐carrier distributed antenna network. Wireless Communications and Mobile Computing, 2011, 11, 1551-1563.	1.2	13
180	Distributed antenna network for gigabit wireless access. , 2011, , .		4

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181	Single-Carrier Incremental Relaying with Joint Tx/Rx FDE. , 2011, , .		0
182	Adaptive power allocation for bi-directional single-carrier relay using analog network coding. , 2011, , .		2
183	Improved 2-Step QRM-ML Block Signal Detection for Single-Carrier Transmission. , 2011, , .		3
184	Joint Iterative Transmit/Receive FDE & FDIC for Single-Carrier Block Transmissions. IEICE Transactions on Communications, 2011, E94-B, 1396-1404.	0.7	6
185	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
186	An Adaptive Weighted Clustering Algorithm for Cooperative Communications. IEICE Transactions on Communications, 2011, E94-B, 3251-3258.	0.7	0
187	Transmission Performance of Frequency-Domain Filtered Single-Carrier Transmission Using Frequency-Domain Block Signal Detection with QRM-MLD. IEICE Transactions on Communications, 2011, E94-B, 1386-1395.	0.7	1
188	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
189	Frequency-Domain Block Signal Detection for Single-Carrier Transmission. IEICE Transactions on Communications, 2010, E93-B, 2104-2112.	0.7	1
190	Joint Water Filling-MRT Downlink Transmit Diversity for a Broadband Single-Carrier Distributed Antenna Network. IEICE Transactions on Communications, 2010, E93-B, 2753-2760.	0.7	0
191	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
192	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
193	Frequency-Domain Equalization for Broadband Single-Carrier Multiple Access. IEICE Transactions on Communications, 2009, E92-B, 1441-1456.	0.7	57
194	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
195	Throughput Performance of MC-CDMA HARQ Using ICI Cancellation. IEICE Transactions on Communications, 2009, E92-B, 491-498.	0.7	3
196	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
197	Adaptive Code Assignment Algorithm for a Multi-User/Multi-Rate CDMA System. IEICE Transactions on Communications, 2009, E92-B, 1600-1607.	0.7	6
198	A Novel Cooperative Relaying Network Scheme with Inter-Relay Data Exchange. IEICE Transactions on Communications, 2009, E92-B, 1786-1795.	0.7	14

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199	Pilot-Assisted Adaptive Channel Estimation for Coded MC-CDMA with ICI Cancellation. IEICE Transactions on Communications, 2009, E92-B, 246-253.	0.7	1
200	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
201	Performance Comparison between CDTD and STTD for DS-CDMA/MMSE-FDE with Frequency-Domain ICI Cancellation. IEICE Transactions on Communications, 2009, E92-B, 2882-2890.	0.7	0
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