

Kwonhue Choi

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A Very Fast Joint Detection for Polar-Coded SCMA. IEEE Access, 2022, 10, 38534-38544.	4.2	3
2	An Efficient and Accurate Multi-Sensor IF Estimator Based on DOA Information and Order of Fractional Fourier Transform. Entropy, 2022, 24, 452.	2.2	5
3	Modified Time-Frequency Marginal Features for Detection of Seizures in Newborns. Sensors, 2022, 22, 3036.	3.8	3
4	Low-Power High-Capacity Full-Duplex Scheme for Uplink Self-Backhauling. IEEE Communications Letters, 2022, 26, 2210-2214.	4.1	1
5	Recursive Hyperparameter-Free Criterion Learning. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 4618-4621.	3.0	0
6	FD-FBMC: A Solution for Multicarrier Full Duplex Cellular Systems. IEEE Communications Letters, 2021, 25, 617-621.	4.1	1
7	An Efficient Direction of Arrival Estimation Algorithm for Sources with Intersecting Signature in the Time-Frequency Domain. Applied Sciences (Switzerland), 2021, 11, 1849.	2.5	7
8	Field Trials of SC-FDMA, FBMC and LP-FBMC in Indoor Sub-3.5 GHz Bands. Electronics (Switzerland), 2021, 10, 573.	3.1	1
9	Capacity Gain of Full Duplex Self-Backhauling and Opportunistic Full Duplex Self-Backhauling. IEEE Transactions on Vehicular Technology, 2021, 70, 2272-2282.	6.3	3
10	An instantaneous frequency and group delay based feature for classifying EEG signals. Biomedical Signal Processing and Control, 2021, 67, 102562.	5.7	14
11	Performance Analysis of Random Fourier Features-Based Unsupervised Multistage-Clustering for VLC. IEEE Communications Letters, 2021, 25, 2659-2663.	4.1	8
12	Waveform Design for 5G and beyond Systems. Electronics (Switzerland), 2021, 10, 2124.	3.1	0
13	Design and Analysis of Aerial-Terrestrial Network: A Joint Solution for Coverage and Rate. IEEE Access, 2021, 9, 81855-81870.	4.2	8
14	Performance Analysis of Rate Splitting in Massive MIMO Systems with Low Resolution ADCs/DACs. Applied Sciences (Switzerland), 2021, 11, 9409.	2.5	1
15	DFT Spreading-Based Low PAPR FBMC With Embedded Side Information. IEEE Transactions on Communications, 2020, 68, 1731-1745.	7.8	15
16	Enabling Multiple Power Beacons for Uplink of NOMA-Enabled Mobile Edge Computing in Wirelessly Powered IoT. IEEE Access, 2020, 8, 148892-148905.	4.2	51
17	A Very Low Complexity QRD-M MIMO Detection Based on Adaptive Search Area. Electronics (Switzerland), 2020, 9, 756.	3.1	4
18	Comprehensive Performance Comparison Between OFDM-based and FBMC-based Uplink Systems. , 2020, ,		2

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19	PAPR Reduction Scheme for FBMC-OQAM Without Side Information. , 2019, , .		4
20	Inter-User Frequency Offset Resilient Uplink FBMC by DFT Spreading and Cyclic Shift. IEEE Wireless Communications Letters, 2019, 8, 925-928.	5.0	8
21	Alamouti Coding for DFT Spreading-Based Low PAPR FBMC. IEEE Transactions on Wireless Communications, 2019, 18, 926-941.	9.2	18
22	Partial ML Detection for Frequency-Asynchronous Distributed Alamouti-Coded (FADAC) OFDM. Wireless Communications and Mobile Computing, 2019, 2019, 1-10.	1.2	1
23	Low PAPR FBMC. IEEE Transactions on Wireless Communications, 2018, 17, 182-193.	9.2	67
24	Generalization of the Phase Shift Condition in "Intrinsic ICI-Free Alamouti Coded FBMC". IEEE Communications Letters, 2017, 21, 1747-1750.	4.1	9
25	Iterative detection for frequency-asynchronous distributed Alamouti-coded (FADAC) OFDM. Eurasip Journal on Wireless Communications and Networking, 2017, 2017, .	2.4	2
26	Analysis of Distributed Transmit Diversity with Outdated Diversity Weights. Mobile Information Systems, 2017, 2017, 1-8.	0.6	2
27	Effect of feedback delay and channel gain difference on distributed transmit diversity without receiver phase compensation. , 2016, , .		0
28	Over-sampling effect in distributed Alamouti coded OFDM with frequency offset. IET Communications, 2016, 10, 2344-2351.	2.2	3
29	Intrinsic ICI-Free Alamouti Coded FBMC. IEEE Communications Letters, 2016, 20, 1971-1974.	4.1	18
30	Switching between co-located and distributed transmit diversity. IET Communications, 2016, 10, 1614-1622.	2.2	2
31	Comments on "Energy-Efficient Uplink Multiuser MIMO". IEEE Transactions on Wireless Communications, 2016, 15, 2435-2437.	9.2	0
32	Allowing a Large Access Timing Offset in OFDM-CDMA Using ZCZ Code and Block Spreading. The Journal of Korean Institute of Communications and Information Sciences, 2016, 41, 23-36.	0.1	0
33	FADAC-OFDM: Frequency-Asynchronous Distributed Alamouti-Coded OFDM. IEEE Transactions on Vehicular Technology, 2015, 64, 466-480.	6.3	8
34	Comparison of Multi-user Timing Offset Resilient Uplink OFDMA Schemes with Optimal Power Control. , 2015, , .		0
35	Performance Comparison between Distributed Beamforming and Clustered Beamforming. , 2014, , .		3
36	Combining Successive ICI Cancellation to ICI Suppressed Alamouti Coded OFDM for Frequency Asynchronous Distributed Antenna Systems. , 2014, , .		2

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37	A simple soft linear detection for coded multi-input multi-output systems. <i>Wireless Communications and Mobile Computing</i> , 2013, 13, 1612-1620.	1.2	8
38	Semi-analytic selection of subcarrier allocation schemes in uplink orthogonal frequency division multiple access. <i>IET Communications</i> , 2013, 7, 1532-1539.	2.2	1
39	PTL: PRAM translation layer. <i>Microprocessors and Microsystems</i> , 2013, 37, 24-32.	2.8	7
40	Mitigating ARP poisoning-based man-in-the-middle attacks in wired or wireless LAN. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2012, 2012, .	2.4	14
41	Block-Mode Lattice Reduction for Low-Complexity MIMO Detection. <i>ETRI Journal</i> , 2012, 34, 110-113.	2.0	1
42	Polyphase Scrambled Walsh Codes for Zero-Correlation Zone Extension in QS-CDMA. <i>IEEE Communications Letters</i> , 2012, 16, 429-431.	4.1	9
43	Computationally Efficient Lattice Reduction Aided Detection for MIMO-OFDM Systems under Correlated Fading Channels. <i>ETRI Journal</i> , 2012, 34, 503-510.	2.0	2
44	Effect of feedback delay and channel gain difference on distributed beamforming. , 2011, , .		3
45	Soft MMSE receiver for turbo coded MIMO system. , 2011, , .		4
46	Adaptive Tree Search Algorithm Based on Path Metric Ratio for MIMO Systems. <i>IEICE Transactions on Communications</i> , 2011, E94.B, 997-1005.	0.7	2
47	Power Allocation for Distributed Transmit Diversity with Feedback Loop Delay. <i>IEEE Transactions on Communications</i> , 2011, 59, 52-58.	7.8	6
48	Uplink OFDMA schemes for loose multi-user synchronization. , 2011, , .		3
49	Timing Offsets-Resilient OFDMA for Asynchronous Wireless Ad Hoc Networks. , 2011, , .		1
50	Quasi-Synchronous CDMA Using Properly Scrambled Walsh Codes as User-Spreading Sequences. <i>IEEE Transactions on Vehicular Technology</i> , 2010, 59, 3609-3617.	6.3	19
51	Consideration of Soft MIMO Detection for Turbo Codes. , 2010, , .		2
52	Soft ZF MIMO detection for turbo codes. , 2010, , .		7
53	Complexity-Reduced Channel Matrix Inversion for MIMO Systems in Time-Varying Channels. , 2010, , .		3
54	Computationally efficient lattice reduction for MIMO-OFDM systems. , 2010, , .		1

#	ARTICLE	IF	CITATIONS
55	Optimum Power Allocation for Distributed Antenna Systems with Large-scale Fading-only Feedback. , 2009, , .		18
56	Optimum and Suboptimum Code Allocation for Peak Power Reduction in Down-Link MC CDMA. IEICE Transactions on Communications, 2009, E92-B, 3389-3393.	0.7	0
57	Residual Frequency Offset Compensation-Embedded Turbo Decoder. IEEE Transactions on Vehicular Technology, 2008, 57, 3211-3217.	6.3	16
58	A Very Low Complexity QRD-M Algorithm Based on Limited Tree Search for MIMO Systems. IEEE Vehicular Technology Conference, 2008, , .	0.4	21
59	SNR Measurement Free Adaptive K-Best Algorithm for MIMO Systems. , 2008, , .		5
60	An Adaptive K-best Algorithm without SNR Estimation for MIMO Systems. IEEE Vehicular Technology Conference, 2008, , .	0.4	4
61	Iterative Decoding-Based Phase Estimation for OFDM Systems at Low Operating SNR. , 2007, , .		0
62	Optimum Parameters for Maximum Throughput of FHMA System With Multilevel FSK. IEEE Transactions on Vehicular Technology, 2006, 55, 1485-1492.	6.3	8
63	WLC03-1: Orthogonal Spreading Code for Quasi-synchronous CDMA Based on Scrambled Walsh Sequence. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	3
64	Maximum Throughput of FHSS Multiple-Access Networks Using MFSK Modulation. IEEE Transactions on Communications, 2004, 52, 426-434.	7.8	25
65	Phase Discontinuity-Free Sampling Timing Control for IF Sampling Receiver. IEEE Signal Processing Letters, 2004, 11, 810-812.	3.6	1
66	Error Probability of Q Symbol Consisting of Multiple Channel Symbols Under Rayleigh Fading. IEEE Communications Letters, 2004, 8, 48-50.	4.1	1
67	Optimum Uplink Power/Rate Control for Minimum Delay in CDMA Networks. ETRI Journal, 2003, 25, 437-444.	2.0	5
68	Adaptive processing gain CDMA networks over Poisson traffic channel. IEEE Communications Letters, 2002, 6, 273-275.	4.1	16
69	Rain Attenuation and Doppler Shift Compensation for Satellite Communications. ETRI Journal, 2002, 24, 31-42.	2.0	24
70	A Satellite Radio Interface for IMT-2000. ETRI Journal, 2002, 24, 415-428.	2.0	14
71	Adaptive PN code acquisition using instantaneous power-scaled detection threshold under Rayleigh fading and pulsed Gaussian noise jamming. IEEE Transactions on Communications, 2002, 50, 1232-1235.	7.8	36
72	Performance of asynchronous slow frequency-hop multiple-access networks with MFSK modulation. IEEE Transactions on Communications, 2000, 48, 298-307.	7.8	22

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73	Antijamming performance of a multicarrier direct-sequence spread-spectrum system. IEEE Transactions on Communications, 1999, 47, 1781-1784.	7.8	29
74	Design and Implementation Of A Grand Alliance HDVT Receiver Prototype. , 1997, , .		1
75	Design and implementation of a Grand Alliance HDTV receiver prototype. IEEE Transactions on Consumer Electronics, 1997, 43, 755-760.	3.6	2
76	Low-complexity receiver algorithms for the Grand-Alliance VSB HDTV system. IEEE Transactions on Consumer Electronics, 1996, 42, 640-650.	3.6	4
77	Performance of FHSS multiple-access networks using MFSK modulation. IEEE Transactions on Communications, 1996, 44, 1514-1526.	7.8	34
78	Throughput and optimum parameters of FHMA system with multilevel FSK. , 0, , .		0
79	Adaptive power/rate allocation for minimum mean transmission delay in CDMA networks. , 0, , .		0
80	Joint Carrier Recovery and Turbo Decoding Method for TDMA Burst MODEM Under Very Low SNRs. , 0, , .		0
81	Effective signal to intrinsic interference plus noise ratio analysis of affine precoded FBMC system. Electronics Letters, 0, , .	1.0	1