Kwonhue Choi

List of Publications by Year
in descending order

		623734	677142
81 papers	**657** citations	**14** h-index	**22** g-index
81 all docs	**81** docs citations	**81** times ranked	**379** citing authors

#	Article	IF	Citations
1	Low PAPR FBMC. IEEE Transactions on Wireless Communications, 2018, 17, 182-193.	9.2	67
2	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
3	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
4	Performance of FHSS multiple-access networks using MFSK modulation. IEEE Transactions on Communications, 1996, 44, 1514-1526.	7.8	34
5	Antijamming performance of a multicarrier direct-sequence spread-spectrum system. IEEE Transactions on Communications, 1999, 47, 1781-1784.	7.8	29
6	Maximum Throughput of FHSS Multiple-Access Networks Using MFSK Modulation. IEEE Transactions on Communications, 2004, 52, 426-434.	7.8	25
7	Rain Attenuation and Doppler Shift Compensation for Satellite Communications. ETRI Journal, 2002, 24, 31-42.	2.0	24
8	Performance of asynchronous slow frequency-hop multiple-access networks with MFSK modulation. IEEE Transactions on Communications, 2000, 48, 298-307.	7.8	22
9	A Very Low Complexity QRD-M Algorithm Based on Limited Tree Search for MIMO Systems. IEEE Vehicular Technology Conference, 2008, , .	0.4	21
10	Quasi-Synchronous CDMA Using Properly Scrambled Walsh Codes as User-Spreading Sequences. IEEE Transactions on Vehicular Technology, 2010, 59, 3609-3617.	6.3	19
11	Optimum Power Allocation for Distributed Antenna Systems with Large-scale Fading-only Feedback. , 2009, , .		18
12	Intrinsic ICI-Free Alamouti Coded FBMC. IEEE Communications Letters, 2016, 20, 1971-1974.	4.1	18
13	Alamouti Coding for DFT Spreading-Based Low PAPR FBMC. IEEE Transactions on Wireless Communications, 2019, 18, 926-941.	9.2	18
14	Adaptive processing gain CDMA networks over Poisson traffic channel. IEEE Communications Letters, 2002, 6, 273-275.	4.1	16
15	Residual Frequency Offset Compensation-Embedded Turbo Decoder. IEEE Transactions on Vehicular Technology, 2008, 57, 3211-3217.	6.3	16
16	DFT Spreading-Based Low PAPR FBMC With Embedded Side Information. IEEE Transactions on Communications, 2020, 68, 1731-1745.	7.8	15
17	A Satellite Radio Interface for IMT-2000. ETRI Journal, 2002, 24, 415-428.	2.0	14
18	Mitigating ARP poisoning-based man-in-the-middle attacks in wired or wireless LAN. Eurasip Journal on Wireless Communications and Networking, 2012, 2012, .	2.4	14

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19	An instantaneous frequency and group delay based feature for classifying EEG signals. Biomedical Signal Processing and Control, 2021, 67, 102562.	5.7	14
20	Polyphase Scrambled Walsh Codes for Zero-Correlation Zone Extension in QS-CDMA. IEEE Communications Letters, 2012, 16, 429-431.	4.1	9
21	Generalization of the Phase Shift Condition in â€œIntrinsic ICI-Free Alamouti Coded FBMCâ€. IEEE Communications Letters, 2017, 21, 1747-1750.	4.1	9
22	Optimum Parameters for Maximum Throughput of FHMA System With Multilevel FSK. IEEE Transactions on Vehicular Technology, 2006, 55, 1485-1492.	6.3	8
23	A simple soft linear detection for coded multiâ€input multiâ€output systems. Wireless Communications and Mobile Computing, 2013, 13, 1612-1620.	1.2	8
24	FADAC-OFDM: Frequency-Asynchronous Distributed Alamouti-Coded OFDM. IEEE Transactions on Vehicular Technology, 2015, 64, 466-480.	6.3	8
25	Inter-User Frequency Offset Resilient Uplink FBMC by DFT Spreading and Cyclic Shift. IEEE Wireless Communications Letters, 2019, 8, 925-928.	5.0	8
26	Performance Analysis of Random Fourier Features-Based Unsupervised Multistage-Clustering for VLC. IEEE Communications Letters, 2021, 25, 2659-2663.	4.1	8
27	Design and Analysis of Aerial-Terrestrial Network: A Joint Solution for Coverage and Rate. IEEE Access, 2021, 9, 81855-81870.	4.2	8
28	Soft ZF MIMO detection for turbo codes. , 2010, , .		7
29	PTL: PRAM translation layer. Microprocessors and Microsystems, 2013, 37, 24-32.	2.8	7
30	An Efficient Direction of Arrival Estimation Algorithm for Sources with Intersecting Signature in the Timeâ€"Frequency Domain. Applied Sciences (Switzerland), 2021, 11, 1849.	2.5	7
31	Power Allocation for Distributed Transmit Diversity with Feedback Loop Delay. IEEE Transactions on Communications, 2011, 59, 52-58.	7.8	6
32	SNR Measurement Free Adaptive K-Best Algorithm for MIMO Systems. , 2008, , .		5
33	Optimum Uplink Power/Rate Control for Minimum Delay in CDMA Networks. ETRI Journal, 2003, 25, 437-444.	2.0	5
34	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
35	Low-complexity receiver algorithms for the Grand-Alliance VSB HDTV system. IEEE Transactions on Consumer Electronics, 1996, 42, 640-650.	3.6	4
36	An Adaptive K-best Algorithm without SNR Estimation for MIMO Systems. IEEE Vehicular Technology Conference, 2008, , .	0.4	4

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37	Soft MMSE receiver for turbo coded MIMO system. , 2011, , .		4
38	PAPR Reduction Scheme for FBMC-OQAM Without Side Information. , 2019, , .		4
39	A Very Low Complexity QRD-M MIMO Detection Based on Adaptive Search Area. Electronics (Switzerland), 2020, 9, 756.	3.1	4
40	WLC03-1: Orthogonal Spreading Code for Quasi-synchronous CDMA Based on Scrambled Walsh Sequence. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	3
41	Complexity-Reduced Channel Matrix Inversion for MIMO Systems in Time-Varying Channels. , 2010, , .		3
42	Effect of feedback delay and channel gain difference on distributed beamforming. , 2011, , .		3
43	Uplink OFDMA schemes for loose multi-user synchronization. , 2011, , .		3
44	Performance Comparison between Distributed Beamforming and Clustered Beamforming. , 2014, , .		3
45	Oversampling effect in distributed Alamouti coded OFDM with frequency offset. IET Communications, 2016, 10, 2344-2351.	2.2	3
46	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
47	A Very Fast Joint Detection for Polar-Coded SCMA. IEEE Access, 2022, 10, 38534-38544.	4.2	3
48	Modified Time-Frequency Marginal Features for Detection of Seizures in Newborns. Sensors, 2022, 22, 3036.	3.8	3
49	Design and implementation of a Grand Alliance HDTV receiver prototype. IEEE Transactions on Consumer Electronics, 1997, 43, 755-760.	3.6	2
50	Consideration of Soft MIMO Detection for Turbo Codes. , 2010, , .		2
51	Adaptive Tree Search Algorithm Based on Path Metric Ratio for MIMO Systems. IEICE Transactions on Communications, 2011, E94.B, 997-1005.	0.7	2
52	Combining Successive ICI Cancellation to ICI Suppressed Alamouti Coded OFDM for Frequency Asynchronous Distributed Antenna Systems. , 2014, , .		2
53	Switching between colocated and distributed transmit diversity. IET Communications, 2016, 10, 1614-1622.	2.2	2
54	Iterative detection for frequency-asynchronous distributed Alamouti-coded (FADAC) OFDM. Eurasip Journal on Wireless Communications and Networking, 2017, 2017, .	2.4	2

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55	Analysis of Distributed Transmit Diversity with Outdated Diversity Weights. Mobile Information Systems, 2017, 2017, 1-8.	0.6	2
56	Comprehensive Performance Comparison Between OFDM-based and FBMC-based Uplink Systems. , 2020, , .		2
57	Computationally Efficient Lattice Reduction Aided Detection for MIMO-OFDM Systems under Correlated Fading Channels. ETRI Journal, 2012, 34, 503-510.	2.0	2
58	Design and Implementation Of A Grand Alliance HDVT Receiver Prototype. , 1997, , .		1
59	Phase Discontinuity-Free Sampling Timing Control for IF Sampling Receiver. IEEE Signal Processing Letters, 2004, 11, 810-812.	3.6	1
60	Error Probability of>tex<Q>/tex<-ary Symbol Consisting of Multiple Channel Symbols Under Rayleigh Fading. IEEE Communications Letters, 2004, 8, 48-50.	4.1	1
61	Computationally efficient lattice reduction for MIMO-OFDM systems. , 2010, , .		1
62	Timing Offsets-Resilient OFDMA for Asynchronous Wireless Ad Hoc Networks. , 2011, , .		1
63	Block-Mode Lattice Reduction for Low-Complexity MIMO Detection. ETRI Journal, 2012, 34, 110-113.	2.0	1
64	Semiâ€analytic selection of subâ€carrier allocation schemes in uplink orthogonal frequency division multiple access. IET Communications, 2013, 7, 1532-1539.	2.2	1
65	FD-FBMC: A Solution for Multicarrier Full Duplex Cellular Systems. IEEE Communications Letters, 2021, 25, 617-621.	4.1	1
66	Field Trials of SC-FDMA, FBMC and LP-FBMC in Indoor Sub-3.5 GHz Bands. Electronics (Switzerland), 2021, 10, 573.	3.1	1
67	Performance Analysis of Rate Splitting in Massive MIMO Systems with Low Resolution ADCs/DACs. Applied Sciences (Switzerland), 2021, 11, 9409.	2.5	1
68	Partial ML Detection for Frequency-Asynchronous Distributed Alamouti-Coded (FADAC) OFDM. Wireless Communications and Mobile Computing, 2019, 2019, 1-10.	1.2	1
69	Effective signal to intrinsic interference plus noise ratio analysis of affine precoded FBMC system. Electronics Letters, 0, , .	1.0	1
70	Low-Power High-Capacity Full-Duplex Scheme for Uplink Self-Backhauling. IEEE Communications Letters, 2022, 26, 2210-2214.	4.1	1
71	Throughput and optimum parameters of FHMA system with multilevel FSK. , 0, , .		0
72	Adaptive power/rate allocation for minimum mean transmission delay in CDMA networks. , 0, , .		0

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73	Joint Carrier Recovery and Turbo Decoding Method for TDMA Burst MODEM Under Very Low SNRs. , 0, , .		0
74	Iterative Decoding-Based Phase Estimation for OFDM Systems at Low Operating SNR. , 2007, , .		0
75	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
76	Comparison of Multi-user Timing Offset Resilient Uplink OFDMA Schemes with Optimal Power Control. , 2015, , .		0
77	Effect of feedback delay and channel gain difference on distributed transmit diversity without receiver phase compensation. , 2016, , .		0
78	Comments on â€œEnergy-Efficient Uplink Multiuser MIMOâ€. IEEE Transactions on Wireless Communications, 2016, 15, 2435-2437.	9.2	0
79	Waveform Design for 5G and beyond Systems. Electronics (Switzerland), 2021, 10, 2124.	3.1	0
80	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
81	Recursive Hyperparameter-Free Criterion Learning. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 4618-4621.	3.0	0