

# Yun Hee Kim

## List of Publications by Year in descending order

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docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Toward Joint Radar, Communication, Computation, Localization, and Sensing in IoT. IEEE Access, 2022, 10, 11772-11788.	4.2	11
2	Sum Rate Optimization of IRS-Aided Uplink Multiantenna NOMA with Practical Reflection. Sensors, 2022, 22, 4449.	3.8	5
3	A Survey on Deep Learning for Ultra-Reliable and Low-Latency Communications Challenges on 6G Wireless Systems. IEEE Access, 2021, 9, 55098-55131.	4.2	44
4	Beamforming and Reflection Coefficient Control for Multiantenna Backscatter Communication With Nonorthogonal Multiple Access. IEEE Access, 2021, 9, 56104-56114.	4.2	11
5	Rate-Energy Tradeoffs of Wireless Powered Backscatter Communication With Power Splitting and Time Switching. IEEE Access, 2021, 9, 10844-10857.	4.2	4
6	Spectrum sensing for cognitive radio network with multiple receive antennas under impulsive noise environments. Journal of Communications and Networks, 2021, 23, 171-179.	2.6	6
7	Deep learning driven beam selection for orthogonal beamforming with limited feedback. ICT Express, 2021, , .	4.8	2
8	Channel Estimation via Model and Learning for Monostatic Multiantenna Backscatter Communication. IEEE Access, 2021, 9, 165341-165350.	4.2	3
9	Bistatic Backscatter NOMA with Transmit and Receive Beamforming. , 2021, , .		0
10	Low-Complexity Passive Beamforming for IRS-Aided Uplink NOMA. , 2021, , .		1
11	Explicit formulae and implication of the expected values of some nonlinear statistics of tri-variate Gaussian variables. Journal of the Korean Statistical Society, 2020, 49, 117-138.	0.4	1
12	Design and Analysis of UAV-Assisted Relaying With Simultaneous Wireless Information and Power Transfer. IEEE Access, 2020, 8, 27874-27886.	4.2	16
13	Receive Beamforming and Resource Allocation for Wireless Powered Non-Orthogonal Multiple Access. IEEE Transactions on Vehicular Technology, 2020, 69, 4563-4568.	6.3	9
14	Design of a Multi-device Backscatter Communication System with a Multi-Antenna Reader. , 2020, , .		1
15	Beamforming and Resource Allocation for a Multi-Pair Wireless Powered Two-Way Relay Network With Fairness. IEEE Access, 2019, 7, 2799-2810.	4.2	4
16	Max-Min Fair Energy Beamforming for Wireless Powered Communication With Non-Linear Energy Harvesting. IEEE Access, 2019, 7, 69516-69523.	4.2	10
17	Power Minimizing Beamforming and Power Allocation for MISO-NOMA Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 6187-6191.	6.3	11
18	Recovery of carrier frequency offset and set information for LTE device-to-device communications. Journal of Communications and Networks, 2019, 21, 1-11.	2.6	6

#	ARTICLE	IF	CITATIONS
19	Simultaneous Wireless Transfer of Power and Information in a Decode-and-Forward Two-Way Relaying Network. IEEE Transactions on Wireless Communications, 2017, 16, 1579-1592.	9.2	80
20	Instantaneous and statistical resource allocation for wireless powered one-way relaying with multiple antennas. , 2017, , .		0
21	A modified primary sidelink synchronization signal for vehicular-to-vehicular communications. , 2017, , .		1
22	Performance of a waveform design for wireless power transfer with imperfect channel state information. , 2017, , .		4
23	Rate Optimization of Two-Way Relaying with Wireless Information and Power Transfer. Information (Switzerland), 2017, 8, 141.	2.9	3
24	Virtual MIMO Beamforming and Device Pairing Enabled by Device-to-Device Communications for Multidevice Networks. Mobile Information Systems, 2017, 2017, 1-10.	0.6	0
25	Distributed matching and resource sharing for space division multiplexing assisted by D2D cooperation. , 2016, , .		0
26	Distributed Bargaining Strategy for Downlink Virtual MIMO With Device-to-Device Communication. IEEE Transactions on Communications, 2016, 64, 1503-1516.	7.8	8
27	Resource Allocation for a Full-Duplex Wireless-Powered Communication Network With Imperfect Self-Interference Cancellation. IEEE Communications Letters, 2016, 20, 2482-2485.	4.1	17
28	Joint power allocation and relay selection for two-way relaying with digital network coding. , 2016, , .		1
29	Resource Allocation for Wireless Powered Multi-Pair Massive Antenna Relaying With Zero Forcing Beamforming. IEEE Communications Letters, 2016, 20, 2316-2319.	4.1	5
30	Outage-Optimal Power and Time Allocation for Rate-Aware Two-Way Relaying With a Decode-and-Forward Protocol. IEEE Transactions on Vehicular Technology, 2016, 65, 9673-9686.	6.3	7
31	Power and Spectral Efficiency of Multi-Pair Massive Antenna Relaying Systems With Zero-Forcing Relay Beamforming. IEEE Communications Letters, 2015, 19, 243-246.	4.1	20
32	Optimization of Power Allocation and Relay Position in Multihop Relay Networks Over Generalized Fading Channels. IEEE Transactions on Vehicular Technology, 2015, 64, 5031-5041.	6.3	6
33	Network Coding and Relay Selection for a Bidirectional Ship-to-Ship Relay Communication System. The Journal of Korean Institute of Communications and Information Sciences, 2015, 40, 1420-1423.	0.1	0
34	Rate-aware three phase analog network coding with low-complexity multi-antenna relay processing. , 2014, , .		4
35	Joint relay selection and power allocation for pairwise multi-way relay networks. , 2014, , .		0
36	Design and Analysis of Low-Complexity Multi-Antenna Relaying for OFDM-Based Relay Networks. IEEE Transactions on Communications, 2014, 62, 2236-2248.	7.8	6

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37	Pragmatic Analog Network Coding with Relay Selection for OFDM-Based Multirelay Networks. IEEE Transactions on Wireless Communications, 2014, 13, 5521-5534.	9.2	5
38	Rate-Aware Two-Way Relaying for Low-Cost Ship-to-Ship Communications. The Journal of Korean Institute of Communications and Information Sciences, 2014, 39C, 651-659.	0.1	2
39	Channel estimation and optimal training with the LMMSE criterion for OFDM-based two-way relay networks. Eurasip Journal on Wireless Communications and Networking, 2013, 2013, .	2.4	7
40	An enhanced frequency-shifted reference ultrawideband scheme for low data rate applications. , 2013, , .		0
41	Joint Relay Selection and Power Allocation for Two-Way Relaying with Physical Layer Network Coding. IEEE Communications Letters, 2013, 17, 301-304.	4.1	46
42	Linear channel estimation and training for frequency-selective fading channels in two-way relay networks. , 2013, , .		0
43	Minimization of Expected Distortion with Layer-Selective Relaying of Two-Layer Superposition Coding. , 2013, , .		1
44	Cooperative Relaying of Superposition Coding with Simple Feedback for Layered Source Transmission. IEEE Transactions on Communications, 2013, 61, 4448-4461.	7.8	22
45	Secrecy diversity in MISOME wiretap channels. , 2012, , .		6
46	Outage-Optimal Allocation of Relay Power for Analog Network Coding with Three Transmission Phases. IEEE Communications Letters, 2012, 16, 838-841.	4.1	21
47	Analysis on Average Sum Rate of Two-Way Relaying with Simple Analog Network Coding in Nakagami Fading Channels. , 2011, , .		8
48	A Pragmatic PAPR Reduction Scheme for Multiple Antenna OFDM with Frequency Switched Transmit Diversity. , 2011, , .		0
49	Detection of Variable Subband Nulling Mode for OFDM-Based Cognitive Radio in Narrowband Interference Channels. IEEE Transactions on Wireless Communications, 2011, 10, 782-791.	9.2	7
50	Average rate performance of two-way amplify-and-forward relaying in asymmetric fading channels. Journal of Communications and Networks, 2011, 13, 250-256.	2.6	6
51	Rate and Outage Performance of Non-Regenerative Two-Way Relaying Protocols with Direct Link. , 2011, , .		10
52	Time-domain signal combining with cyclic delay and phase shift for PAPR reduction in OFDM systems. , 2011, , .		5
53	Cross-layer design of multiple antenna multicast combining AMC with truncated HARQ. Annales Des Telecommunications/Annals of Telecommunications, 2010, 65, 803-815.	2.5	0
54	A Class of Spectrum-Sensing Schemes for Cognitive Radio Under Impulsive Noise Circumstances: Structure and Performance in Nonfading and Fading Environments. IEEE Transactions on Vehicular Technology, 2010, 59, 4322-4339.	6.3	35

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55	Combining of Cyclically Delayed Signals: A Low-Complexity Scheme for PAPR Reduction in OFDM Systems. IEEE Transactions on Broadcasting, 2010, 56, 577-583.	3.2	14
56	Outage Probability of OFDM-Based Relay Networks with Relay Selection. , 2010, , .		7
57	Reduction of PAPR without Side Information for Frequency Switched Transmit Diversity-Based MIMO-OFDM Systems. IEEE Communications Letters, 2010, 14, 1116-1118.	4.1	3
58	Spectrum sensing based on nonlinear combining for cognitive radio with receive diversity. , 2010, , .		3
59	Sequential Locally Optimum Test (SLOT): A Sequential Detection Scheme Based on Locally Optimum Test Statistic. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2010, E93-A, 2045-2056.	0.3	0
60	Achievable Rate of Adaptive Wireless Multicast with Antenna Diversity in Nakagami Fading Channels. IEICE Transactions on Communications, 2010, E93-B, 2826-2829.	0.7	0
61	A Game Theoretic Power Control Algorithm with Sequential Subchannel Nulling for Wireless Networks. IEICE Transactions on Communications, 2010, E93-B, 1649-1652.	0.7	4
62	Variable power and rate allocation using simple CQI for multiuser OFDMA-CDM systems. IEEE Transactions on Wireless Communications, 2009, 8, 2776-2782.	9.2	0
63	Cooperative diversity for wireless multicast transmission with truncated ARQ. , 2009, , .		0
64	Decoding With Expected Length and Threshold Approximated (DELTA): A Near-ML Scheme for Multiple-Input Multiple-Output Systems. IEEE Transactions on Vehicular Technology, 2009, 58, 3234-3246.	6.3	6
65	Acquisition of spread spectrum codes with consecutive correlator outputs in the presence of fractional Doppler frequency offset. , 2009, , .		0
66	Cross-Layer Design of Adaptive Wireless Multicast Transmission with Truncated HARQ. , 2009, , .		0
67	Adaptive Resource Allocation for OFDMA with Mixed Frame Structure. , 2009, , .		4
68	Symbol error rate of the dm-mpsk under the influence of jamming signals. IEEE Communications Letters, 2009, 13, 468-470.	4.1	9
69	Multi-Cell MIMO Cooperation for OFDM-Based Broadcast Services and Its Outage Probability. IEICE Transactions on Communications, 2009, E92-B, 1039-1042.	0.7	0
70	Macrocell Cooperation for OFDM-Based Broadcast-Packet Data Transmission in a Cellular Network. IEEE Transactions on Vehicular Technology, 2008, 57, 1297-1302.	6.3	1
71	Design and Verification of IEEE 802.22 WRAN Physical Layer. , 2008, , .		20
72	Fractional Bandwidth Mode Detection and Synchronization for OFDM-Based Cognitive Radio Systems. IEEE Vehicular Technology Conference, 2008, , .	0.4	10

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73	Adaptive User Cooperation with HARQ for the Uplink of a Turbo-Coded System. IEEE Vehicular Technology Conference, 2007, , .	0.4	0
74	An Adaptive OFDMA Platform for IEEE 802.22 Based on Cognitive Radio. , 2006, , .		11
75	Design of an LDPC code with low error floor. , 2005, , .		2
76	Iterative estimation and decoding for an LDPC-coded OFDMA system in uplink environments. , 2004, , .		7
77	Performance of a turbo coded multicarrier DS/CDMA system with nonuniform repetition coding. IEEE Journal on Selected Areas in Communications, 2001, 19, 1764-1774.	14.0	3
78	An efficient frequency offset estimator for OFDM systems and its performance characteristics. IEEE Transactions on Vehicular Technology, 2001, 50, 1307-1312.	6.3	88
79	An adaptive multiple antenna transmission scheme for an OFDMA system. , 0, , .		1
80	An LDPC-coded spatial multiplexing OFDMA system with iterative demodulation and decoding. , 0, , .		0
81	A scheme for the Doppler shift estimation despite the power control in mobile communication systems. , 0, , .		19
82	Turbo detection and decoding for space-time block-coded block transmission systems. , 0, , .		2
83	Adaptive WMSA channel estimation based on Doppler shift estimation in CP-SCBT systems. , 0, , .		0
84	On LDPC Decoding for Frequency Hopping OFDMA Cellular Systems in the Downlink. , 0, , .		1
85	Macro Diversity Coding for Broadcast and Multicast Services in a Coded OFDM Cellular System. , 0, , .		4