

# Byungju Lee

## List of Publications by Year in descending order

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31  
papers

1,123  
citations

1478505

6  
h-index

1199594

12  
g-index

31  
all docs

31  
docs citations

31  
times ranked

1266  
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-Orthogonal Multiple Access in Multi-Cell Networks: Theory, Performance, and Practical Challenges. , 2017, 55, 176-183.		290
2	Overview of Full-Dimension MIMO in LTE-Advanced Pro. , 2017, 55, 176-184.		164
3	Coordinated Beamforming for Multi-Cell MIMO-NOMA. IEEE Communications Letters, 2017, 21, 84-87.	4.1	155
4	Recent trend of multiuser MIMO in LTE-advanced. , 2013, 51, 127-135.		131
5	Antenna Grouping Based Feedback Compression for FDD-Based Massive MIMO Systems. IEEE Transactions on Communications, 2015, 63, 3261-3274.	7.8	114
6	Packet Structure and Receiver Design for Low Latency Wireless Communications With Ultra-Short Packets. IEEE Transactions on Communications, 2018, 66, 796-807.	7.8	58
7	A MMSE Vector Precoding with Block Diagonalization for Multiuser MIMO Downlink. IEEE Transactions on Communications, 2012, 60, 569-577.	7.8	39
8	Iterative group detection and decoding for large MIMO systems. Journal of Communications and Networks, 2015, 17, 609-621.	2.6	37
9	Antenna grouping based feedback reduction for FDD-based massive MIMO systems. , 2014, , .		23
10	Low complexity detection and precoding for massive MIMO systems. , 2013, , .		14
11	A Vector Perturbation with User Selection for Multiuser MIMO Downlink. IEEE Transactions on Communications, 2012, 60, 3322-3331.	7.8	12
12	Antenna group selection based user scheduling for massive MIMO systems. , 2014, , .		12
13	Deep Learning-Assisted Multi-Dimensional Modulation and Resource Mapping for Advanced OFDM Systems. , 2018, , .		12
14	Packet Structure and Receiver Design for Low-Latency Communications with Ultra-Small Packets. , 2016, , .		8
15	Exploiting dominant eigendirections for feedback compression for FDD-based massive MIMO systems. , 2016, , .		8
16	Towards Faster-Than-Nyquist Transmission for Beyond 5G Wireless Communications. , 2019, , .		7
17	A MIMO Relay With Delayed Feedback Can Improve DoF in $\mathbb{R}^K$ - User MISO Interference Channel With No CSIT. IEEE Transactions on Vehicular Technology, 2016, 65, 10188-10192.	6.3	6
18	Beamformer Design for Physical Layer Security in Dual-Polarized Millimeter Wave Channels. IEEE Transactions on Vehicular Technology, 2020, 69, 12306-12311.	6.3	5

#	ARTICLE	IF	CITATIONS
19	Limited Feedback Designs for Machine-Type Communications Exploiting User Cooperation. IEEE Access, 2019, 7, 95154-95169.	4.2	4
20	Blind Interference Alignment With ISI: A New Look at OFDM for $K$ -User Interference Channels. IEEE Transactions on Signal Processing, 2020, 68, 4497-4512.	5.3	4
21	On the Degrees-of-Freedom for Relay-Aided MIMO Interference Channels With Partial and Delayed CSI. IEEE Wireless Communications Letters, 2021, 10, 306-310.	5.0	4
22	A vector perturbation based user selection for multi-antenna downlink channels. , 2011, , .		3
23	A MMSE Vector Precoding with Block Diagonalization for Multiuser MIMO Downlink. , 2011, , .		3
24	Low complexity soft-input soft-output group detection for massive MIMO systems. , 2013, , .		3
25	Weighted Sum-Rate Maximization for Rate-splitting Multiple Access with Imperfect Channel Knowledge. , 2021, , .		3
26	An Efficient Feedback Compression for Large-Scale MIMO Systems. , 2014, , .		2
27	An efficient linear MMSE receiver for wireless ad hoc networks. , 2012, , .		1
28	Adaptive Multiuser Transmission Using Millimeter Wave Beam Alignment With User Selection. IEEE Transactions on Vehicular Technology, 2020, 69, 9140-9145.	6.3	1
29	Transmission capacity of wireless ad hoc network with non-parametric linear MMSE receiver. , 2012, , .		0
30	Interference aware node activation for wireless ad hoc networks. , 2013, , .		0
31	User-Number Threshold-Based Base Station On/Off Control for Maximizing Coverage Probability. IEEE Transactions on Vehicular Technology, 2022, 71, 3214-3228.	6.3	0