

# Bichai Wang

## List of Publications by Year in descending order

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Version: 2024-02-01

16  
papers

4,583  
citations

1307594

7  
h-index

1720034

7  
g-index

16  
all docs

16  
docs citations

16  
times ranked

3619  
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-orthogonal multiple access for 5G: solutions, challenges, opportunities, and future research trends. IEEE Communications Magazine, 2015, 53, 74-81.	6.1	2,277
2	A Survey of Non-Orthogonal Multiple Access for 5G. IEEE Communications Surveys and Tutorials, 2018, 20, 2294-2323.	39.4	887
3	Reconfigurable Intelligent Surface-Based Wireless Communications: Antenna Design, Prototyping, and Experimental Results. IEEE Access, 2020, 8, 45913-45923.	4.2	432
4	Spectrum and Energy-Efficient Beamspace MIMO-NOMA for Millimeter-Wave Communications Using Lens Antenna Array. IEEE Journal on Selected Areas in Communications, 2017, 35, 2370-2382.	14.0	275
5	Hybrid Precoding-Based Millimeter-Wave Massive MIMO-NOMA With Simultaneous Wireless Information and Power Transfer. IEEE Journal on Selected Areas in Communications, 2019, 37, 131-141.	14.0	219
6	Dynamic Compressive Sensing-Based Multi-User Detection for Uplink Grant-Free NOMA. IEEE Communications Letters, 2016, 20, 2320-2323.	4.1	166
7	Joint User Activity and Data Detection Based on Structured Compressive Sensing for NOMA. IEEE Communications Letters, 2016, , 1-1.	4.1	110
8	Comparison study of non-orthogonal multiple access schemes for 5G. , 2015, , .		109
9	Compressive Sensing Based Multi-User Detection for Uplink Grant-Free Non-Orthogonal Multiple Access. , 2015, , .		52
10	Beamspace MIMO-NOMA for Millimeter-Wave Communications Using Lens Antenna Arrays. , 2017, , .		21
11	Optimal FemtoCell Density for Maximizing Throughput in 5G Heterogeneous Networks under Outage Constraints. , 2017, , .		18
12	Differential CSIT Acquisition Based on Compressive Sensing for FDD Massive MIMO Systems. , 2015, , .		5
13	Attention-Based Hybrid Precoding for mmWave MIMO Systems. , 2021, , .		4
14	Low-Complexity LSQR-Based Linear Precoding for Massive MIMO Systems. , 2015, , .		3
15	Dynamic multi-user detection based on structured compressive sensing for IoT-oriented 5G systems. , 2016, , .		3
16	Simultaneous Multi-Channel Reconstruction for TDS-OFDM Systems. , 2015, , .		2