

# Meik Dörpinghaus

## List of Publications by Year in descending order

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29  
papers

452  
citations

933447

10  
h-index

888059

17  
g-index

29  
all docs

29  
docs citations

29  
times ranked

347  
citing authors

#	ARTICLE	IF	CITATIONS
1	Decision Making in the Arrow of Time. Physical Review Letters, 2015, 115, 250602.	7.8	68
2	How Reliable and Capable is Multi-Connectivity?. IEEE Transactions on Communications, 2019, 67, 1506-1520.	7.8	60
3	1-Bit Quantization and Oversampling at the Receiver: Communication Over Bandlimited Channels With Noise. IEEE Communications Letters, 2017, 21, 1007-1010.	4.1	48
4	1-bit quantization and oversampling at the receiver: Sequence-based communication. Eurasip Journal on Wireless Communications and Networking, 2018, 2018, .	2.4	38
5	On the Gain of Joint Processing of Pilot and Data Symbols in Stationary Rayleigh Fading Channels. IEEE Transactions on Information Theory, 2012, 58, 2963-2982.	2.4	34
6	Architecture and Advanced Electronics Pathways Toward Highly Adaptive Energy- Efficient Computing. Proceedings of the IEEE, 2019, 107, 204-231.	21.3	30
7	Zero Crossing Modulation for Communication with Temporally Oversampled 1-Bit Quantization. , 2019, , .		23
8	Achievable Rate With 1-Bit Quantization and Oversampling Using Continuous Phase Modulation-Based Sequences. IEEE Transactions on Wireless Communications, 2018, 17, 7080-7095.	9.2	22
9	On the achievable rate of bandlimited continuous-time 1-bit quantized AWGN channels. , 2017, , .		19
10	Bounds on Channel Parameter Estimation with 1-Bit Quantization and Oversampling. , 2018, , .		19
11	Bounds on Phase, Frequency, and Timing Synchronization in Fully Digital Receivers With 1-bit Quantization and Oversampling. IEEE Transactions on Communications, 2020, 68, 6499-6513.	7.8	18
12	Task-Based Analog-to-Digital Converters. IEEE Transactions on Signal Processing, 2021, 69, 5403-5418.	5.3	12
13	Zero-Crossing Modulation for Wideband Systems Employing 1-Bit Quantization and Temporal Oversampling: Transceiver Design and Performance Evaluation. IEEE Open Journal of the Communications Society, 2021, 2, 1915-1934.	6.9	10
14	Least Squares Phase Estimation of 1-bit Quantized Signals with Phase Dithering. , 2019, , .		7
15	Joint Phase and Timing Estimation With 1-Bit Quantization and Oversampling. IEEE Transactions on Communications, 2022, 70, 71-86.	7.8	6
16	The Potential of Continuous Phase Modulation for Oversampled 1-Bit Quantized Channels. , 2019, , .		5
17	Oversampled 1-Bit Quantized Wideband Systems: Is it Better to Spend Samples in Time or in Space?. , 2019, , .		5
18	ML Carrier Phase Estimation with 1-Bit Quantization and Oversampling. , 2021, , .		5

#	ARTICLE	IF	CITATIONS
19	On the Spectral Efficiency of Bandlimited 1-Bit Quantized AWGN Channels With Runlength-Coding. IEEE Communications Letters, 2020, 24, 2147-2151.	4.1	4
20	On the achievable rate of bandlimited continuous-time AWGN channels with 1-bit output quantization. Eurasip Journal on Wireless Communications and Networking, 2021, 2021, .	2.4	4
21	Outage Analysis for Decode-and-Forward Multirelay Systems Allowing Intra-Link Errors. IEEE Wireless Communications Letters, 2017, 6, 758-761.	5.0	3
22	Impact of Correlated Fading on Multi-Connectivity. IEEE Transactions on Wireless Communications, 2021, 20, 1011-1022.	9.2	3
23	Enabling Energy-Efficient Tbit/s Communications by 1-Bit Quantization and Oversampling. , 2021, , .		3
24	A Log-Det Inequality for Random Matrices. SIAM Journal on Matrix Analysis and Applications, 2015, 36, 1164-1179.	1.4	2
25	Corrections to "Outage Analysis for Decode-and-Forward Multirelay Systems Allowing Intra-Link Errors" IEEE Wireless Communications Letters, 2019, 8, 648-649.	5.0	1
26	Outage Analysis of Multi-Connectivity over Correlated Rayleigh Fading. , 2019, , .		1
27	NDA Timing Estimation with 1-bit Quantization and Oversampling at the Receiver. , 2020, , .		1
28	On the Acquisition of Stationary Signals Using Uniform ADCS. , 2022, , .		1
29	Soft-Output Equalizers for Systems Employing 1-Bit Quantization and Temporal Oversampling. , 2021, , .		0