Charles Jeon

List of Publications by Year in Descending Order

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This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

15 papers	219 citations	8 h-index	14 g-index
15 ext. papers	342 ext. citations	10.5 avg, IF	3.21 L-index

#	Paper	IF	Citations
15	Mismatched Data Detection in Massive MU-MIMO. *IEEE Transactions on Signal Processing*, **2021**, 1-1	4.8	1
14	CMOS-based cryogenic control of silicon quantum circuits. *Nature*, **2021**, 593, 205-210	50.4	29
13	Optimal Data Detection and Signal Estimation in Systems With Input Noise. *IEEE Transactions on Signal Processing*, **2021**, 69, 5105-5119	4.8	
12	Approximate Gram-Matrix Interpolation for Wideband Massive MU-MIMO Systems. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 4677-4688	6.8	
11	19.1 A Scalable Cryo-CMOS 2-to-20GHz Digitally Intensive Controller for 4□2 Frequency Multiplexed Spin Qubits/Transmons in 22nm FinFET Technology for Quantum Computers **2020**,		19
10	A Scalable Cryo-CMOS Controller for the Wideband Frequency-Multiplexed Control of Spin Qubits and Transmons. *IEEE Journal of Solid-State Circuits*, **2020**, 55, 2930-2946	5.5	16
9	Decentralized Equalization With Feedforward Architectures for Massive MU-MIMO. *IEEE Transactions on Signal Processing*, **2019**, 67, 4418-4432	4.8	25
8	A 354 Mb/s 0.37 mm2 151 mW 32-User 256-QAM Near-MAP Soft-Input Soft-Output Massive MU-MIMO Data Detector in 28nm CMOS **2019**,		1
7	Design Trade-offs for Decentralized Baseband Processing in Massive MU-MIMO Systems **2019**,		5
6	A 354 Mb/s 0.37 mm2 151 mW 32-User 256-QAM Near-MAP Soft-Input Soft-Output Massive MU-MIMO Data Detector in 28nm CMOS. *IEEE Solid-State Circuits Letters*, **2019**, 2, 127-130	2	6
5	Feedforward Architectures for Decentralized Precoding in Massive MU-MIMO Systems **2018**,		10
4	Decentralized equalization for massive MU-MIMO on FPGA **2017**,		8
3	On the performance of mismatched data detection in large MIMO systems **2016**,		26
2	Optimality of large MIMO detection via approximate message passing **2015**,		69
1	Optimal large-MIMO data detection with transmit impairments **2015**,		4