Bei Yin

List of Publications by Year
in descending order

13 papers	754 citations	2258059 3 h-index	2550090 3 g-index
13 all docs	13 docs citations	13 times ranked	508 citing authors

#	Article	IF	Citations
1	Large-Scale MIMO Detection for 3GPP LTE: Algorithms and FPGA Implementations. IEEE Journal on Selected Topics in Signal Processing, 2014, 8, 916-929.	10.8	329
2	Conjugate gradient-based soft-output detection and precoding in massive MIMO systems. , 2014, , .		118
3	Approximate matrix inversion for high-throughput data detection in the large-scale MIMO uplink. , 2013, , .		110
4	Implementation trade-offs for linear detection in large-scale MIMO systems. , 2013, , .		54
5	High throughput low latency LDPC decoding on GPU for SDR systems. , 2013, , .		49
6	A 3.8Gb/s large-scale MIMO detector for 3GPP LTE-Advanced. , 2014, , .		27
7	Implicit vs. Explicit Approximate Matrix Inversion for Wideband Massive MU-MIMO Data Detection. Journal of Signal Processing Systems, 2018, 90, 1311-1328.	2.1	14
8	Parallel nonbinary LDPC decoding on GPU. , 2012, , .		13
9	Accelerating massive MIMO uplink detection on GPU for SDR systems. , 2015, , .		12
10	FPGA prototyping of a high data rate LTE uplink baseband receiver. , 2009, , .		10
11	Efficient architecture mapping of FFT/IFFT for cognitive radio networks. , 2014, , .		8
12	LTE uplink MIMO receiver with low complexity interference cancellation. Analog Integrated Circuits and Signal Processing, 2012, 73, 443-450.	1.4	6
13	Flexible N-Way MIMO Detector on GPU. , 2012, , .		4