Takumi Takahashi

List of Publications by Year
in descending order

17	115	1684188	1872680
papers	citations	5	6
		h-index	g-index

17	17	17	34
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Design of Adaptively Scaled Belief in Multi-Dimensional Signal Detection for Higher-Order Modulation. IEEE Transactions on Communications, 2019, 67, 1986-2001.	7.8	30
2	Grant-Free Access via Bilinear Inference for Cell-Free MIMO With Low-Coherence Pilots. IEEE Transactions on Wireless Communications, 2021, 20, 7694-7710.	9.2	16
3	Design of Criterion for Adaptively Scaled Belief in Iterative Large MIMO Detection. IEICE Transactions on Communications, 2019, E102.B, 285-297.	0.7	15
4	Uplink Signal Detection for Scalable Cell-Free Massive MIMO Systems With Robustness to Rate-Limited Fronthaul. IEEE Access, 2021, 9, 102770-102782.	4.2	11
5	Low-Complexity Large MIMO Detection via Layered Belief Propagation in Beam Domain. IEEE Transactions on Wireless Communications, 2022, 21, 234-249.	9.2	10
6	Bilinear Gaussian Belief Propagation for Large MIMO Channel and Data Estimation. , 2020, , .		7
7	Iterative Decoding Based on Concatenated Belief Propagation for CRC-Aided Polar Codes. , 2018, , .		6
8	A Study on Replica Generation Using LUT Based on Information Bottleneck for MF-GaBP in Massive MIMO Detection. , 2019, , .		5
9	Criterion of adaptively scaled belief for PDA in overloaded MIMO channels. , 2017, , .		4
10	A Study on Conversion of NLoS to LoS conditions using Sidelink in Smart Factory Environments. , 2021, , .		3
11	Structured Random Codebook Design for GABP Iterative Detection in Massive SCMA. , 2018, , .		2
12	Information-Optimum Approximate Message Passing for Quantized Massive MIMO Detection. IEEE Access, 2020, 8, 200383-200394.	4.2	2
13	Concatenated Beam- and Antenna-domain Layered Belief Propagation for Large MIMO Detection. , 2019, , .		1
14	Bayesian Joint Channel and Data Estimation for Correlated Large MIMO with Non-orthogonal Pilots. , 2021, , .		1
15	Negentropy-Aware Loss Function for Trainable Belief Propagation in Coded MIMO Detection. , 2021, , .		1
16	Receive Beamforming for Gaussian Belief Propagation in Massive Multi-user MIMO for Reducing Fronthaul Bandwidth. , 2022, , .		1
17	Iterative Carrier Frequency Offset Estimation with Independent Component Analysis in BLE Systems. IEICE Transactions on Communications, 2021, E104.B, 88-98.	0.7	0