

# Shinsuke Ibi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8649000/publications.pdf>

Version: 2024-02-01

57  
papers

177  
citations

1684188  
5  
h-index

1281871  
11  
g-index

57  
all docs

57  
docs citations

57  
times ranked

101  
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-Complexity Large MIMO Detection via Layered Belief Propagation in Beam Domain. IEEE Transactions on Wireless Communications, 2022, 21, 234-249.	9.2	10
2	Receive Beamforming for Gaussian Belief Propagation in Massive Multi-user MIMO for Reducing Fronthaul Bandwidth. , 2022, , .		1
3	Iterative Carrier Frequency Offset Estimation with Independent Component Analysis in BLE Systems. IEICE Transactions on Communications, 2021, E104.B, 88-98.	0.7	0
4	Estimation of Total Interference Power by Clustering Multiple Wireless Nodes. , 2021, , .		1
5	Bayesian Joint Channel and Data Estimation for Correlated Large MIMO with Non-orthogonal Pilots. , 2021, , .		1
6	Estimation of total interference power by clustering multiple wireless nodes. IEICE Communications Express, 2021, 10, 634-640.	0.4	0
7	Position estimation method considering directivity of a transmitter. IEICE Communications Express, 2021, 10, 619-624.	0.4	0
8	Detection of paper sheets based on variation of antenna resonance characteristics. IEICE Communications Express, 2021, 10, 625-628.	0.4	5
9	Negentropy-Aware Loss Function for Trainable Belief Propagation in Coded MIMO Detection. , 2021, , .		1
10	Information-Optimum Approximate Message Passing for Quantized Massive MIMO Detection. IEEE Access, 2020, 8, 200383-200394.	4.2	2
11	Successive Interference Cancellation of ICA-Aided SDMA for GFSK Signaling in BLE Systems. IEICE Transactions on Communications, 2020, E103.B, 495-503.	0.7	1
12	Bilinear Gaussian Belief Propagation for Large MIMO Channel and Data Estimation. , 2020, , .		7
13	Evaluation of performance improvement of space selective modulation by increasing number of transmitting antennas. IEICE Communications Express, 2020, 9, 207-212.	0.4	2
14	Layered Belief Propagation for Low-Complexity Large MIMO Detection Based on Statistical Beams. , 2019, , .		7
15	A Study on Replica Generation Using LUT Based on Information Bottleneck for MF-GaBP in Massive MIMO Detection. , 2019, , .		5
16	Low-Complexity Beam-Domain Channel Estimation with Long-Term Statistics for Large MIMO Detection. , 2019, , .		0
17	Machine Learning-Aided Indoor Positioning Based on Unified Fingerprints of Wi-Fi and BLE. , 2019, , .		3
18	Concatenated Beam- and Antenna-domain Layered Belief Propagation for Large MIMO Detection. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
19	Uplink Multi-User Massive MIMO Using Gaussian BP in Highly Correlated Actual Environments. , 2019, , .		0
20	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
21	Design of Criterion for Adaptively Scaled Belief in Iterative Large MIMO Detection. IEICE Transactions on Communications, 2019, E102.B, 285-297.	0.7	15
22	EXIT Chart-Aided Design of LDPC Codes for Self-Coherent Detection with Turbo Equalizer for Optical Fiber Short-Reach Transmissions. IEICE Transactions on Communications, 2019, E102.B, 1301-1312.	0.7	0
23	Iterative Channel Estimation with Non-Orthogonal Pilot for Large MIMO Detection in PDA. , 2018, , .		0
24	Iterative Decoding Based on Concatenated Belief Propagation for CRC-Aided Polar Codes. , 2018, , .		6
25	Indoor Positioning and Tracking by Multi-Point Observations of BLE Beacon Signal. , 2018, , .		4
26	Structured Random Codebook Design for GABP Iterative Detection in Massive SCMA. , 2018, , .		2
27	An Iterative Soft Interference Cancellation for Pilot-Assisted Optical-OFDM with LDPC Code Optimized by EXIT Chart. , 2018, , .		0
28	Optimization of Quantization Levels for Quantize-and-Forward Relaying with QAM Signaling. , 2018, , .		0
29	Data associated iterative channel estimations with non-orthogonal pilot for large MIMO detections. , 2017, , .		3
30	On Approximated LLR for Single Carrier Millimeter-Wave Transmissions in the Presence of Phase Noise. IEICE Transactions on Communications, 2017, E100.B, 1086-1093.	0.7	2
31	An Iterative Cancellation Technique for Adjacent Channel Interference Induced by Amplifier Nonlinearity in 60GHz Band Wireless Communication Systems. IEICE Transactions on Communications, 2017, E100.B, 2060-2069.	0.7	1
32	Criterion of adaptively scaled belief for PDA in overloaded MIMO channels. , 2017, , .		4
33	Unified Design of LLR Quantization and Joint Reception for Mobile Fronthaul Bandwidth Reduction. , 2017, , .		1
34	Successive Interference Cancellation of ICA Based SDMA Differential Detector for BLE Systems. , 2017, , .		1
35	On approximated LLR of MMSE equalizer for millimeter-wave in presence of phase noise. , 2015, , .		1
36	Iterative canceller of adjacent channel interference induced by nonlinearity of power amplifier in millimeter wave systems. , 2015, , .		2

#	ARTICLE	IF	CITATIONS
37	Adaptive Band Activity Ratio Control with Cascaded Energy Allocation for Amplify-and-Forward OFDM Relay Systems. IEICE Transactions on Communications, 2014, E97.B, 2424-2434.	0.7	0
38	Delay properties in non-orthogonal spectrum sharing with adaptively rate controlled selfish dynamic spectrum control. , 2013, , .		0
39	An Iterative Unified Decoding for Decode-Quantize-Forward Relaying. , 2013, , .		2
40	Extrinsic LLR of Soft-Demapper under Presence of Channel Estimation Errors. , 2013, , .		0
41	Dynamic Spectrum Control Aided Spectrum Sharing with Nonuniform Sampling-Based Channel Sounding. IEICE Transactions on Communications, 2013, E96.B, 3172-3180.	0.7	0
42	Autonomous grouping scheme for selfish DSC introduced spectrum sharing in asynchronous transmit timing conditions. , 2012, , .		0
43	Adaptive Bandwidth Control for Dynamic Spectrum Control Aided Spectrum Sharing in Private Wireless Networks. IEICE Transactions on Communications, 2012, E95.B, 1093-1099.	0.7	2
44	A Spectrum-Overlapped Resource Management for Turbo Equalizer in Uplink Future Multiple Access Channels. IEICE Transactions on Communications, 2012, E95.B, 3679-3687.	0.7	1
45	A bit interleaved repetition coded base station cooperation for downlink OFDM signaling. , 2011, , .		0
46	A Design Criterion of Error Correcting Codes for Spectrum-Overlapped Resource Managements. , 2011, , .		1
47	Enhancement of throughput efficiency using adaptive bandwidth control for autonomous distributed networks in multiuser environments. , 2010, , .		1
48	Wireless Distributed Network: For Flexible Networking and Radio Resource Management. IEICE Transactions on Communications, 2010, E93-B, 3218-3227.	0.7	3
49	A study on a cooperative relay using joint network and channel coding in simple triangular network topology. , 2009, , .		1
50	A design for an EXIT chart based scheduling and rate control for multi-user MIMO systems. IEEE Transactions on Wireless Communications, 2009, 8, 5124-5132.	9.2	2
51	A study on cooperative multiple relay transmission scheme for broadband wireless mesh networks. , 2008, , .		0
52	A spectrum-overlapped resource management in dynamic spectrum control technique. , 2008, , .		4
53	Relay-Assisted Re-Transmission Scheme based on Mutual Information for Wireless Mesh Networks. , 2007, , .		0
54	EXIT Chart-Aided Adaptive Coding for Multilevel BICM With Turbo Equalization in Frequency-Selective MIMO Channels. IEEE Transactions on Vehicular Technology, 2007, 56, 3757-3769.	6.3	26

#	ARTICLE	IF	CITATIONS
55	A Partial Spectrum Retransmission Scheme using a Dynamic Spectrum Control for Broadband Single Carrier Transmission Systems. , 2007, , .		1
56	Adaptive Transmission With Single-Carrier Multilevel BICM. Proceedings of the IEEE, 2007, 95, 2354-2367.	21.3	14
57	Capacity-controlled MIMO adaptive modulation scheme. Electronics and Communications in Japan, 2006, 89, 1-13.	0.1	0