

Naoki Ishikawa

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

25
papers

611
citations

13
h-index

24
g-index

26
ext. papers

765
ext. citations

6.8
avg, IF

4.61
L-index

#	Paper	IF	Citations
25	Subcarrier-Index Modulation Aided OFDM - Will It Work?. <i>IEEE Access</i> , 2016 , 4, 2580-2593	3.5	130
24	50 Years of Permutation, Spatial and Index Modulation: From Classic RF to Visible Light Communications and Data Storage. <i>IEEE Communications Surveys and Tutorials</i> , 2018 , 20, 1905-1938	37.1	81
23	Maximizing Constrained Capacity of Power-Imbalanced Optical Wireless MIMO Communications Using Spatial Modulation. <i>Journal of Lightwave Technology</i> , 2015 , 33, 519-527	4	63
22	Unified Differential Spatial Modulation. <i>IEEE Wireless Communications Letters</i> , 2014 , 3, 337-340	5.9	51
21	. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 1-1	6.8	49
20	. <i>IEEE Transactions on Vehicular Technology</i> , 2017 , 66, 385-394	6.8	35
19	Rectangular Differential Spatial Modulation for Open-Loop Noncoherent Massive-MIMO Downlink. <i>IEEE Transactions on Wireless Communications</i> , 2017 , 16, 1908-1920	9.6	33
18	Sixty Years of Coherent Versus Non-Coherent Tradeoffs and the Road From 5G to Wireless Futures. <i>IEEE Access</i> , 2019 , 7, 178246-178299	3.5	29
17	. <i>IEEE Transactions on Communications</i> , 2017 , 1-1	6.9	21
16	Differential-Detection Aided Large-Scale Generalized Spatial Modulation is Capable of Operating in High-Mobility Millimeter-Wave Channels. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2019 , 13, 1360-1374	7.5	20
15	. <i>IEEE Transactions on Signal Processing</i> , 2018 , 66, 773-788	4.8	20
14	Finite-Cardinality Single-RF Differential Space-Time Modulation for Improving the Diversity-Throughput Tradeoff. <i>IEEE Transactions on Communications</i> , 2019 , 67, 318-335	6.9	18
13	Differential Space-Time Coding Dispensing With Channel Estimation Approaches the Performance of Its Coherent Counterpart in the Open-Loop Massive MIMO-OFDM Downlink. <i>IEEE Transactions on Communications</i> , 2018 , 66, 6190-6204	6.9	15
12	Near-Perfect Finite-Cardinality Generalized Space-Time Shift Keying. <i>IEEE Journal on Selected Areas in Communications</i> , 2019 , 37, 2146-2164	14.2	10
11	Differentially-Encoded Rectangular Spatial Modulation Approaches the Performance of Its Coherent Counterpart. <i>IEEE Transactions on Communications</i> , 2020 , 68, 7593-7607	6.9	7
10	Multicarrier Division Duplex Aided Millimeter Wave Communications. <i>IEEE Access</i> , 2019 , 7, 100719-100732	3.5	6
9	IMToolkit: An Open-Source Index Modulation Toolkit for Reproducible Research Based on Massively Parallel Algorithms. <i>IEEE Access</i> , 2019 , 7, 93830-93846	3.5	5

8	Single- and Multiple-RF Aided Non-Coherent Generalized Spatial Modulation 2014 ,		5
7	Nulls in the Air: Passive and Low-Complexity QoS Estimation Method for a Large-Scale Wi-Fi Network Based on Null Function Data Frames. <i>IEEE Access</i> , 2019 , 7, 28581-28591	3.5	4
6	Exit-Chart-Based Design of Irregular Precoded Power-Imbalanced Optical Spatial Modulation 2015 ,		3
5	Subcarrier Subset Selection-Aided Transmit Precoding Achieves Full-Diversity in Index Modulation. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 11031-11041	6.8	2
4	Artificially Time-Varying Differential MIMO for Achieving Practical Physical Layer Security. <i>IEEE Open Journal of the Communications Society</i> , 2021 , 2, 2180-2194	6.7	2
3	. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 20, 3847-3864	9.6	1
2	Quantum Speedup for Index Modulation. <i>IEEE Access</i> , 2021 , 9, 111114-111124	3.5	1
1	Error Probability Analysis for Time-Varying Chaos Unitary Matrix based Differential MIMO System. <i>IEEE Wireless Communications Letters</i> , 2022 , 1-1	5.9	