

# Tanbir Haque

## List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	A Multi-Branch Receiver With Modulated Mixer Clocks for Concurrent Dual-Carrier Reception and Rapid Compressive-Sampling Spectrum Scanning. IEEE Journal of Solid-State Circuits, 2021, 56, 235-253.	5.4	6
2	A Flexible Phased-Array Architecture for Reception and Rapid Direction-of-Arrival Finding Utilizing Pseudo-Random Antenna Weight Modulation and Compressive Sampling. IEEE Journal of Solid-State Circuits, 2019, 54, 1315-1328.	5.4	12
3	Taking Compressive Sensing to the Hardware Level: Breaking Fundamental Radio-Frequency Hardware Performance Tradeoffs. IEEE Signal Processing Magazine, 2019, 36, 81-100.	5.6	19
4	Flexible Architectures for Concurrent Reception of Multiple RF Carriers and Compressed-Sampling Signal Detection in Frequency and Direction-of-Arrival. , 2019, , .		1
5	Benefits of Using VCO-OTAs to Construct TIAs in Wideband Current-Mode Receivers Over Inverter-Based OTAs. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 1681-1691.	5.4	8
6	How to Make Analog-to-Information Converters Work in Dynamic Spectrum Environments With Changing Sparsity Conditions. IEEE Transactions on Circuits and Systems I: Regular Papers, 2018, 65, 1775-1784.	5.4	11
7	A Reconfigurable Architecture Using a Flexible LO Modulator to Unify High-Sensitivity Signal Reception and Compressed-Sampling Wideband Signal Detection. IEEE Journal of Solid-State Circuits, 2018, 53, 1577-1591.	5.4	14
8	Using VCO-OTA TIAs to Break the Gain, Linearity and Power Consumption Trade-offs in Passive Mixer based Direct-Conversion Receivers. , 2018, , .		2
9	An 8-Element, 1-3GHz Direct Space-to-Information Converter for Rapid, Compressive-Sampling Direction-of-Arrival Finding Utilizing Pseudo-Random Antenna-Weight Modulation. , 2018, , .		1
10	A Direct RF-to-Information Converter for reception and wideband interferer detection employing pseudo-random LO modulation. , 2017, , .		3
11	Theory and Design of a Direct Space-to-Information Converter for Rapid Detection of Interferer DoA. , 2017, , .		4
12	Band-pass compressive sampling as an enabling technology for rapid wideband RF spectrum sensing. , 2016, , .		4
13	A compressed-sampling time-segmented quadrature analog-to-information converter for wideband rapid detection of up to 6 interferers with adaptive thresholding. , 2016, , .		8
14	RF circuit and system innovations for a new generation of wireless terminals. , 2016, , .		1
15	Wideband Rapid Interferer Detector Exploiting Compressed Sampling With a Quadrature Analog-to-Information Converter. IEEE Journal of Solid-State Circuits, 2015, 50, 3047-3064.	5.4	52
16	Theory and Design of a Quadrature Analog-to-Information Converter for Energy-Efficient Wideband Spectrum Sensing. IEEE Transactions on Circuits and Systems I: Regular Papers, 2015, 62, 527-535.	5.4	69