

Yuming Zhuang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	High-Purity Sine Wave Generation Using Nonlinear DAC With Predistortion Based on Low-Cost Accurate DAC-ADC Co-Testing. IEEE Transactions on Instrumentation and Measurement, 2018, 67, 279-287.	4.7	15
2	Cost-Effective High Purity Signal Generator Using Pre-distortion. , 2018, , .		2
3	Accurate Spectral Testing with Impure Test Stimulus for Multi-tone Test. , 2018, , .		5
4	Low-cost and accurate DAC linearity test with ultrafast segmented model identification of linearity errors and removal of measurement errors (uSMILE-ROME). , 2018, , .		4
5	Cost-effective accurate DAC-ADC co-testing and DAC linearization. , 2018, , .		4
6	Accurate Spectral Testing with Non-coherent Sampling for Multi-tone Test. , 2018, , 97-111.		2
7	Accurate Spectral Testing with Arbitrary Non-coherency in Sampling and Simultaneous Drifts in Amplitude and Frequency. , 2018, , 33-57.		2
8	Accurate Spectral Testing with Impure Test Stimulus for Multi-tone Test. , 2018, , 113-126.		3
9	Algorithms for Accurate Spectral Analysis in the Presence of Arbitrary Non-coherency and Large Distortion. , 2018, , 7-31.		2
10	High-Purity Sine Wave Generation Using Nonlinear DAC with Pre-distortion Based on Low-Cost Accurate DAC-ADC Co-testing. , 2018, , 59-78.		0
11	Accurate Linearity Testing Using Low-Purity Stimulus Robust against Flicker Noise. , 2018, , 149-167.		0
12	Algorithms for Accurate Spectral Analysis in the Presence of Arbitrary Noncoherency and Large Distortion. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 2556-2565.	4.7	10
13	ADC Spectral Testing with Signal Amplitude Drift and Simultaneous Non-coherent Sampling. Journal of Electronic Testing: Theory and Applications (JETTA), 2017, 33, 305-313.	1.2	2
14	Accurate Spectral Testing With Arbitrary Noncoherency in Sampling and Simultaneous Drifts in Amplitude and Frequency. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 1002-1012.	4.7	5
15	Accurate and robust spectral testing with relaxed instrumentation requirements. , 2017, , .		1
16	Accurate Spectral Testing With Non-Coherent Sampling for Multi-Tone Test. IEEE Transactions on Circuits and Systems II: Express Briefs, 2017, 64, 1357-1361.	3.0	6
17	Accurate spectral testing of the signals with amplitude drift. , 2017, , .		0
18	Accurate ADC testing with significantly relaxed instrumentation including large cumulative jitter. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
19	New strategies in removing non-coherency from signals with large distortion to noise ratios. , 2016, , .		7
20	Low cost ultra-pure sine wave generation with self calibration. , 2016, , .		7
21	Accurate Spectral Testing With Impure Source and Noncoherent Sampling. IEEE Transactions on Instrumentation and Measurement, 2016, 65, 2454-2463.	4.7	10
22	New Strategies in Removing Noncoherency From Signals With Large Distortion-to-Noise Ratios. IEEE Transactions on Circuits and Systems II: Express Briefs, 2016, 63, 1136-1140.	3.0	6
23	Accurate linearity testing with impure sinusoidal stimulus robust against flicker noise. , 2016, , .		4
24	Accurate spectral testing with non-coherent sampling for large distortion to noise ratios. , 2016, , .		12
25	Effect of flicker noise on SEIR for accurate ADC linearity testing. , 2015, , .		4