

Marko Kosunen

List of Publications by Year in descending order

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53
papers

485
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840776
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all docs

53
docs citations

53
times ranked

443
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptive Nonlinear RF Cancellation for Improved Isolation in Simultaneous Transmit&Receive Systems. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 2299-2312.	4.6	66
2	A Micropower $\Delta\Sigma$ -Based Interface ASIC for a Capacitive 3-Axis Micro-Accelerometer. IEEE Journal of Solid-State Circuits, 2009, 44, 3193-3210.	5.4	57
3	Digital Interpolating Phase Modulator for Wideband Outphasing Transmitters. IEEE Transactions on Circuits and Systems I: Regular Papers, 2016, 63, 705-715.	5.4	26
4	A 1.5&1.9-GHz All-Digital Tri-Phasing Transmitter With an Integrated Multilevel Class-D Power Amplifier Achieving 100-MHz RF Bandwidth. IEEE Journal of Solid-State Circuits, 2019, 54, 1517-1527.	5.4	25
5	13.5 A 0.35-to-2.6GHz multilevel outphasing transmitter with a digital interpolating phase modulator enabling up to 400MHz instantaneous bandwidth. , 2017, , .		24
6	Correlation-Based Detection of OFDM Signals in the Angular Domain. IEEE Transactions on Vehicular Technology, 2012, 61, 951-958.	6.3	23
7	Spatial Interpolation of Cyclostationary Test Statistics in Cognitive Radio Networks: Methods and Field Measurements. IEEE Transactions on Vehicular Technology, 2018, 67, 1113-1129.	6.3	22
8	Passive Intermodulation in Simultaneous Transmit&Receive Systems: Modeling and Digital Cancellation Methods. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 3633-3652.	4.6	21
9	Reference Receiver Enhanced Digital Linearization of Wideband Direct-Conversion Receivers. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 607-620.	4.6	20
10	Performance Evaluation of Cyclostationary-Based Cooperative Sensing Using Field Measurements. IEEE Transactions on Vehicular Technology, 2016, 65, 1982-1997.	6.3	19
11	All-Digital LTE SAW-Less Transmitter With DSP-Based Programming of RX-Band Noise. IEEE Journal of Solid-State Circuits, 2017, 52, 3434-3445.	5.4	15
12	A CMOS Quadrature Baseband Frequency Synthesizer/Modulator. Analog Integrated Circuits and Signal Processing, 1999, 18, 55-67.	1.4	13
13	Modeling and Joint Mitigation of TX and RX Nonlinearity-Induced Receiver Desensitization. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 2427-2442.	4.6	12
14	Performance Analysis of Frequency-Reconfigurable Antenna Cluster With Integrated Radio Transceivers. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 756-759.	4.0	11
15	A 0.6&4.0 GHz RF-Resampling Beamforming Receiver With Frequency-Scaling True-Time-Delays up to Three Carrier Cycles. IEEE Solid-State Circuits Letters, 2020, 3, 234-237.	2.0	11
16	True-Time-Delay Beamforming Receiver With RF Re-Sampling. IEEE Transactions on Circuits and Systems I: Regular Papers, 2020, 67, 4457-4469.	5.4	11
17	Resilient flow control for wireless data streaming in inductively coupled medical implants. Microprocessors and Microsystems, 2020, 72, 102905.	2.8	10
18	A 100&750 MS/s 11-Bit Time-to-Digital Converter With Cyclic-Coupled Ring Oscillator. IEEE Access, 2021, 9, 48147-48156.	4.2	10

#	ARTICLE	IF	CITATIONS
19	A configurable sampling rate converter for all-digital 4G transmitters. , 2013, , .		7
20	RX-Band Noise Reduction in All-Digital Transmitters With Configurable Spectral Shaping of Quantization and Mismatch Errors. IEEE Transactions on Circuits and Systems I: Regular Papers, 2014, 61, 3256-3265.	5.4	7
21	A 1.5â€“5-GHz Integrated RF Transmitter Front End for Active Matching of an Antenna Cluster. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 4728-4739.	4.6	7
22	Measurement campaign for collaborative sensing using cyclostationary based mobile sensors. , 2014, , .		6
23	Power-Scalable Dynamic Element Matching for a 3.4-GHz 9-bit $\Delta\Sigma$ RF-DAC in 16-nm FinFET. IEEE Solid-State Circuits Letters, 2018, 1, 126-129.	2.0	5
24	A 30-dBm Class-D Power Amplifier with On/Off Logic for an Integrated Tri-Phasing Transmitter in 28-nm CMOS. , 2018, , .		5
25	A current controlled oscillator based readout front-end for neurochemical sensing in 65nm CMOS technology. , 2016, , .		4
26	Tri-Phasing Modulation for Efficient and Wideband Radio Transmitters. IEEE Transactions on Circuits and Systems I: Regular Papers, 2018, 65, 3085-3098.	5.4	4
27	A commonâ€“gate commonâ€“source low noise amplifier based RF front end with selective input impedance matching for blockerâ€“resilient receivers. International Journal of Circuit Theory and Applications, 2018, 46, 1427-1442.	2.0	4
28	Full-Duplex Wireless Transceiver Self-Interference Cancellation Through FD-SOI Buried-Gate Signaling. , 2018, , .		4
29	A Class-D Tri-Phasing CMOS Power Amplifier With an Extended Marchand-Balun Power Combiner. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 1022-1034.	4.6	4
30	Data Conversion With Subgate-Delay Time Resolution Using Cyclic-Coupled Ring Oscillators. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2021, 29, 203-214.	3.1	4
31	Design and Implementation of a Wideband Digital Interpolating Phase Modulator RF Front-End. , 2018, , .		3
32	Spectral Effects of Discrete-Time Amplitude Levels in Digital-Intensive Wideband Radio Transmitters. , 2018, , .		3
33	Time-Based Sensor Interface for Dopamine Detection. IEEE Transactions on Circuits and Systems I: Regular Papers, 2020, 67, 3284-3296.	5.4	3
34	A 2â€“5.5 GHz Beamsteering Receiver IC With 4-Element Vivaldi Antenna Array. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 3852-3860.	4.6	3
35	A Six-Phase Two-Stage Blocker-Tolerant Harmonic-Rejection Receiver. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 1964-1976.	4.6	3
36	A Systematic Design Method for Direct Delta-Sigma Receivers. IEEE Transactions on Circuits and Systems I: Regular Papers, 2018, 65, 2389-2402.	5.4	2

#	ARTICLE	IF	CITATIONS
37	A Blocker-Tolerant Two-Stage Harmonic-Rejection RF Front-End. , 2019, , .		2
38	A Delay-Based LO Phase-Shifting Generator for a 2-5GHz Beamsteering Receiver in 28nm CMOS. , 2019, , .		2
39	A Frequency Tunable MIMO Antenna Cluster with Transmitter IC. , 2021, , .		2
40	A High-Speed DSP Engine for First-Order Hold Digital Phase Modulation in 28-nm CMOS. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 1959-1963.	3.0	1
41	A Sensor Interface for Neurochemical Signal Acquisition. , 2019, , .		1
42	Quantized Polar Transmitters for Power Efficient Massive MIMO Systems. IEEE Wireless Communications Letters, 2021, 10, 859-863.	5.0	1
43	Fully Digital On-Chip Wideband Background Calibration for Channel Mismatches in Time-Interleaved Time-Based ADCs. IEEE Solid-State Circuits Letters, 2022, 5, 9-12.	2.0	1
44	Energy-Efficient Cyclic-Coupled Ring Oscillator With Delay-Based Injection Locking. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 3709-3713.	3.0	1
45	A programmable DSP front-end for all-digital 4G transmitters. , 2013, , .		0
46	The effects of non-linearity in spectrum sensing receivers. International Journal of Microwave and Wireless Technologies, 2016, 8, 995-1003.	1.9	0
47	Dynamic element matching in digital-to-analog converters with code-dependent output resistance. , 2017, , .		0
48	A Low-Power Hardware Stack for Continuous Data Streaming from Telemetry Implants. , 2018, , .		0
49	Quantization noise upconversion effects in mixerâ€first direct deltaâ€sigma receivers. International Journal of Circuit Theory and Applications, 2019, 47, 1893-1906.	2.0	0
50	A wideband blocker-resilient direct delta sigma receiver with selective input-impedance matching. Analog Integrated Circuits and Signal Processing, 2020, 103, 195-207.	1.4	0
51	A Transmitter IC with Supply Tuning for Frequency-Reconfigurable Antenna Cluster. , 2021, , .		0
52	Characterization of an Antenna Cluster and Transmitter IC with a Modulated Signal. , 2021, , .		0
53	Leveraging frequency agility of an MIMO antenna cluster with a transmitter IC. International Journal of Microwave and Wireless Technologies, 0, , 1-10.	1.9	0