Domenico Zito

List of Publications by Year
in descending order

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64	825	566801 15	525886 27
papers	citations	h-index	g-index

64	64	64	828
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	SoC CMOS UWB Pulse Radar Sensor for Contactless Respiratory Rate Monitoring. IEEE Transactions on Biomedical Circuits and Systems, 2011, 5, 503-510.	2.7	198
2	Two mm-Wave Vector Modulator Active Phase Shifters With Novel IQ Generator in 28 nm FDSOI CMOS. IEEE Journal of Solid-State Circuits, 2017, 52, 344-356.	3.5	92
3	13 GHz CMOS Active Inductor LC VCO. IEEE Microwave and Wireless Components Letters, 2012, 22, 138-140.	2.0	47
4	UWB CMOS Monocycle Pulse Generator. IEEE Transactions on Circuits and Systems I: Regular Papers, 2010, 57, 2654-2664.	3.5	44
5	32 dB Gain 28 nm Bulk CMOS W-Band LNA. IEEE Microwave and Wireless Components Letters, 2015, 25, 55-57.	2.0	35
6	22.7-dB Gain $-$19.7-dBm $ICP_{1{m dB}}$ UWB CMOS LNA. IEEE Transactions on Circuits and Systems II: Express Briefs, 2009, 56, 689-693.	2.2	31
7	Noncontact Measurement of River Surface Velocity and Discharge Estimation With a Low-Cost Doppler Radar Sensor. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 5195-5207.	2.7	27
8	Microwave Active Inductors. IEEE Microwave and Wireless Components Letters, 2009, 19, 461-463.	2.0	25
9	50 GHz mm-Wave CMOS Active Inductor. IEEE Microwave and Wireless Components Letters, 2014, 24, 254-256.	2.0	22
10	1.29-W/mm² 23-dBm 66-GHz Power Amplifier in 55-nm SiGe BiCMOS With In-Line Coplanar Transformer Power Splitters and Combiner. IEEE Microwave and Wireless Components Letters, 2017, 27, 1146-1148.	2.0	19
11	Analyses and techniques for phase noise reduction in CMOS Colpitts oscillator topology. International Journal of Circuit Theory and Applications, 2016, 44, 616-638.	1.3	18
12	LCâ€active VCO for CMOS RF transceivers. International Journal of Circuit Theory and Applications, 2010, 38, 69-84.	1.3	17
13	Analyses and design of 95-GHz SoC CMOS radiometers for passive body imaging. Analog Integrated Circuits and Signal Processing, 2013, 77, 373-383.	0.9	16
14	Performance and Trends in Millimetre-Wave CMOS Oscillators for Emerging Wireless Applications. International Journal of Microwave Science and Technology, 2013, 2013, 1-6.	0.6	16
15	Transformer-Based Input Integrated Matching in Cascode Amplifiers: Analytical Proofs. IEEE Transactions on Circuits and Systems I: Regular Papers, 2018, 65, 1495-1504.	3.5	16
16	K-Band SiGe System-on-Chip Radiometric Receiver for Remote Sensing of the Atmosphere. IEEE Transactions on Circuits and Systems I: Regular Papers, 2017, 64, 3025-3035.	3.5	15
17	Enabling technology for heart health wireless assistance. , 2010, , .		14
18	Comparative Analyses of Phase Noise in 28â€‰nm CMOS LC Oscillator Circuit Topologies: Hartley, Colpitts, and Common-Source Cross-Coupled Differential Pair. Scientific World Journal, The, 2014, 2014, 1-13.	0.8	14

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19	High-Frequency CMOS Active Inductor: Design Methodology and Noise Analysis. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2015, 23, 1123-1136.	2.1	14
20	Analysis of Phase Noise in 28 nm CMOS LC Oscillator Differential Topologies: Armstrong, Colpitts, Hartley and Common-Source Cross-Coupled Pair. Journal of Circuits, Systems and Computers, 2015, 24, 1550052.	1.0	12
21	Planar Differential Antenna for Short-Range UWB Pulse Radar Sensor. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1527-1530.	2.4	11
22	Planar Differential Antenna Design and Integration With Pulse Radar Microchip Sensor. IEEE Sensors Journal, 2014, 14, 2477-2487.	2.4	9
23	On-Chip Millimeter-Wave Cold-Source Noise Figure Measurements With PNA-X. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 3399-3401.	2.4	8
24	Sub-100 ps monocycle pulses for 5G UWB communications. , 2016, , .		7
25	The Theory of Special Noise Invariants. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 1305-1318.	3.5	7
26	A novel phase shifter for 60 GHz phased arrays. , 2015, , .		6
27	67â€‰GHz threeâ€spiral transformer CMOS oscillator. International Journal of Circuit Theory and Applications, 2016, 44, 1798-1813.	1.3	6
28	Editors' Choiceâ€”Reviewâ€”Semiconductor Integrated Radar for Sensing Applications. ECS Journal of Solid State Science and Technology, 2018, 7, Q3126-Q3142.	0.9	6
29	Millimeter-Wave Integrated Silicon Devices: Active versus Passive â€” The Eternal Struggle Between Good and Evil : (Invited Paper). , 2019, , .		5
30	0.4V low-power 60-GHz oscillator in 65nm CMOS. , 2012, , .		4
31	Analysis and design of Ka-band SoC radiometer for space detection of solar flares. , 2015, , .		4
32	Transformer-based input integrated matching in cascode Amplifier: Circuit analysis and comparison with inductive degeneration. , 2016, , .		4
33	Analyses and techniques for phase noise reduction in CMOS Hartley oscillator topology. International Journal of Circuit Theory and Applications, 2017, 45, 1993-2016.	1.3	4
34	Transformerâ€coupled Ï€â€network differential CMOS oscillator circuit topology. International Journal of Circuit Theory and Applications, 2017, 45, 407-418.	1.3	4
35	A 24-GHz Single-Transistor Oscillator on Paper. IEEE Microwave and Wireless Components Letters, 2020, 30, 1085-1088.	2.0	4
36	Design Variations on Planar Differential Antenna with Potential for Multiple, Wide, and Narrow Band Coverage. International Journal of Antennas and Propagation, 2015, 2015, 1-13.	0.7	3

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37	Phase noise analysis in CMOS differential Armstrong oscillator topology. International Journal of Circuit Theory and Applications, 2016, 44, 1697-1705.	1.3	3
38	K-band SiGe dual-input LNA and detector for SoC radiometers for remote sensing of atmosphere. , 2016, , .		3
39	UWB Radios â€" The maturity age?. , 2016, , .		3
40	Analysis and design of mm-wave detectors in SiGe SoC radiometers for spaceborne observations of solar flares. , 2016, , .		3
41	Millimeter-wave high-Q active inductor in 65nm CMOS. , 2012, , .		2
42	Performances and trends in millimeter-wave CMOS voltage controlled oscillators. , 2012, , .		2
43	Complements on phase noise analysis and design of CMOS ring oscillators. , 2012, , .		2
44	UWB pulse radio transceivers and antennas: Considerations on design and implementation. , 2014, , .		2
45	Analyses of phase noise reduction techniques in CMOS Colpitts oscillator topology at the mm-waves: Noise filter and optimum current density. , 2015, , .		2
46	Impact of switching on design of Ka-band SoC Dicke radiometer for space detection of solar flares. , 2015, , .		2
47	Analyses of phase noise reduction techniques in CMOS Colpitts oscillator topology at the mm-waves: Inductive degeneration and optimum current density. , 2015, , .		2
48	A novel differential Colpitts CMOS oscillator circuit topology. , 2016, , .		2
49	50ÂGHz activeâ€ŁC CMOS oscillator: Theoretical study and experimental proofs. Radio Science, 2017, 52, 1117-1128.	0.8	2
50	Integrated Micro-Devices for a Lab-in-Organoid Technology Platform: Current Status and Future Perspectives. Frontiers in Neuroscience, 2022, 16, 842265.	1.4	2
51	Feasibility study including detector non-idealities of a 95-GHz CMOS SoC radiometer for passive imaging. , 2012, , .		1
52	Audio Telecom ADC Featuring Click-Free Gain Control Technique, Dithering Insertion, and Idle Tone Shifting. IEEE Transactions on Instrumentation and Measurement, 2012, 61, 2879-2887.	2.4	1
53	50 GHz LC-active oscillator in 65 nm CMOS. , 2015, , .		1
54	Analyses of phase noise reduction techniques in CMOS Hartley oscillator topology at the mm-waves: Inductive degeneration and optimum current density. , 2015, , .		1

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55	Analyses of phase noise reduction techniques in CMOS Hartley oscillator topology at the mm-waves: Noise filter and optimum current density. , 2015, , .		1
56	On-Body Characterization of Planar Differential Antennas for Multiple, Wide, and Narrow Bands. International Journal of Antennas and Propagation, 2016, 2016, 1-9.	0.7	1
57	60 GHz CMOS VCO with transformer coupling network. , 2016, , .		1
58	Input Integrated Matching in RF LNA with Inductive Degeneration in Low-Power Regime. , 2018, , .		1
59	A voltage tunable CMOS differential active resistor and its application. International Journal of Circuit Theory and Applications, 2019, 47, 175-185.	1.3	1
60	A black-box approach to RF LNA design. , 2015, , .		0
61	A compact 67 GHz oscillator in 65nm CMOS. , 2015, , .		0
62	A novel differential Hartley CMOS oscillator circuit topology. , 2016, , .		0
63	Design and test of W-band passive circuit components in 28nm bulk CMOS technology. , 2016, , .		0
64	A Study on Extending <tex>$f_{mathrm{T}}$</tex> in TIIMCA LNA Topology. , 2018, , .		0