Domenico Zito

List of Publications by Citations

51 papers	568 citations	12 h-index	22 g-index
64 ext. papers	729 ext. citations	2.8 avg, IF	4.13 L-index

#	Paper	IF	Citations
51	SoC CMOS UWB Pulse Radar Sensor for Contactless Respiratory Rate Monitoring. *IEEE Transactions on Biomedical Circuits and Systems*, **2011**, 5, 503-10	5.1	151
50	. *IEEE Journal of Solid-State Circuits*, **2017**, 52, 344-356	5.5	51
49	13 GHz CMOS Active Inductor LC VCO. *IEEE Microwave and Wireless Components Letters*, **2012**, 22, 138-140	2.6	35
48	UWB CMOS Monocycle Pulse Generator. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2010**, 57, 2654-2664	3.9	33
47	22.7-dB Gain $-$19.7-dBm $ICP_{1{rm dB}}$ UWB CMOS LNA. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2009**, 56, 689-693	3.5	27
46	32 dB Gain 28 nm Bulk CMOS W-Band LNA. *IEEE Microwave and Wireless Components Letters*, **2015**, 25, 55-57	2.6	24
45	Microwave Active Inductors. *IEEE Microwave and Wireless Components Letters*, **2009**, 19, 461-463	2.6	19
44	50 GHz mm-Wave CMOS Active Inductor. *IEEE Microwave and Wireless Components Letters*, **2014**, 24, 254-256	2.6	14
43	. *IEEE Transactions on Geoscience and Remote Sensing*, **2020**, 58, 5195-5207	8.1	13
42	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	2.6	13
41	LC-active VCO for CMOS RF transceivers. *International Journal of Circuit Theory and Applications*, **2010**, 38, 69-84	2	13
40	Performance and Trends in Millimetre-Wave CMOS Oscillators for Emerging Wireless Applications. *International Journal of Microwave Science and Technology*, **2013**, 2013, 1-6		12
39	Analyses and techniques for phase noise reduction in CMOS Colpitts oscillator topology. *International Journal of Circuit Theory and Applications*, **2016**, 44, 616-638	2	11
38	Enabling technology for heart health wireless assistance **2010**,		11
37	High-Frequency CMOS Active Inductor: Design Methodology and Noise Analysis. *IEEE Transactions on Very Large Scale Integration (VLSI) Systems*, **2015**, 23, 1123-1136	2.6	10
36	. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2018**, 65, 1495-1504	3.9	9
35	Planar Differential Antenna Design and Integration With Pulse Radar Microchip Sensor. *IEEE Sensors Journal*, **2014**, 14, 2477-2487	4	9

34	Analyses and design of 95-GHz SoC CMOS radiometers for passive body imaging. *Analog Integrated Circuits and Signal Processing*, **2013**, 77, 373-383	1.2	9
33	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	3.9	9
32	Comparative analyses of phase noise in 28 nm CMOS LC oscillator circuit topologies: Hartley, Colpitts, and common-source cross-coupled differential pair. *Scientific World Journal, The*, **2014**, 2014, 421321	2.2	9
31	Planar Differential Antenna for Short-Range UWB Pulse Radar Sensor. *IEEE Antennas and Wireless Propagation Letters*, **2013**, 12, 1527-1530	3.8	9
30	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	0.9	8
29	A novel phase shifter for 60 GHz phased arrays **2015**,		5
28	EditorsSChoiceRReviewSemiconductor Integrated Radar for Sensing Applications. *ECS Journal of Solid State Science and Technology*, **2018**, 7, Q3126-Q3142	2	5
27	Sub-100 ps monocycle pulses for 5G UWB communications **2016**,		5
26	67 GHz three-spiral transformer CMOS oscillator. *International Journal of Circuit Theory and Applications*, **2016**, 44, 1798-1813	2	5
25	On-Chip Millimeter-Wave Cold-Source Noise Figure Measurements With PNA-X. *IEEE Transactions on Instrumentation and Measurement*, **2017**, 66, 3399-3401	5.2	4
24	Transformer-coupled network differential CMOS oscillator circuit topology. *International Journal of Circuit Theory and Applications*, **2017**, 45, 407-418	2	3
23	Analysis and design of Ka-band SoC radiometer for space detection of solar flares **2015**,		3
22	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	1.2	3
21	0.4V low-power 60-GHz oscillator in 65nm CMOS **2012**,		3
20	Millimeter-Wave Integrated Silicon Devices: Active versus Passive The Eternal Struggle Between Good and Evil : (Invited Paper) **2019**,		3
19	Analyses and techniques for phase noise reduction in CMOS Hartley oscillator topology. *International Journal of Circuit Theory and Applications*, **2017**, 45, 1993-2016	2	2
18	A novel differential Colpitts CMOS oscillator circuit topology **2016**,		2
17	UWB Radios The maturity age? **2016**,		2

16	Analysis and design of mm-wave detectors in SiGe SoC radiometers for spaceborne observations of solar flares **2016**,		2
15	50 GHz active-LC CMOS oscillator: Theoretical study and experimental proofs. *Radio Science*, **2017**, 52, 1117-1128	1.4	2
14	Analyses of phase noise reduction techniques in CMOS Colpitts oscillator topology at the mm-waves: Noise filter and optimum current density **2015**,		2
13	Impact of switching on design of Ka-band SoC Dicke radiometer for space detection of solar flares **2015**,		2
12	UWB pulse radio transceivers and antennas: Considerations on design and implementation **2014**,		2
11	Complements on phase noise analysis and design of CMOS ring oscillators **2012**,		2
10	Phase noise analysis in CMOS differential Armstrong oscillator topology. *International Journal of Circuit Theory and Applications*, **2016**, 44, 1697-1705	2	2
9	Transformer-based input integrated matching in cascode Amplifier: Circuit analysis and comparison with inductive degeneration **2016**,		2
8	A 24-GHz Single-Transistor Oscillator on Paper. *IEEE Microwave and Wireless Components Letters*, **2020**, 30, 1085-1088	2.6	1
7	50 GHz LC-active oscillator in 65 nm CMOS **2015**,		1
6	Millimeter-wave high-Q active inductor in 65nm CMOS **2012**,		1
5	On-Body Characterization of Planar Differential Antennas for Multiple, Wide, and Narrow Bands. *International Journal of Antennas and Propagation*, **2016**, 2016, 1-9	1.2	1
4	A voltage tunable CMOS differential active resistor and its application. *International Journal of Circuit Theory and Applications*, **2019**, 47, 175-185	2	1
3	The Theory of Special Noise Invariants. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2019**, 66, 1305-1318	3.9	1
2	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	5.2	
1	Integrated Micro-Devices for a Lab-in-Organoid Technology Platform: Current Status and Future Perspectives.. *Frontiers in Neuroscience*, **2022**, 16, 842265	5.1	