

Domenico Zito

List of Publications by Year in descending order

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64
papers

825
citations

566801

15
h-index

525886

27
g-index

64
all docs

64
docs citations

64
times ranked

828
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrated Micro-Devices for a Lab-in-Organoid Technology Platform: Current Status and Future Perspectives. <i>Frontiers in Neuroscience</i> , 2022, 16, 842265.	1.4	2
2	A 24-GHz Single-Transistor Oscillator on Paper. <i>IEEE Microwave and Wireless Components Letters</i> , 2020, 30, 1085-1088.	2.0	4
3	Noncontact Measurement of River Surface Velocity and Discharge Estimation With a Low-Cost Doppler Radar Sensor. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020, 58, 5195-5207.	2.7	27
4	Millimeter-Wave Integrated Silicon Devices: Active versus Passive – The Eternal Struggle Between Good and Evil : (Invited Paper). , 2019, , .		5
5	A voltage tunable CMOS differential active resistor and its application. <i>International Journal of Circuit Theory and Applications</i> , 2019, 47, 175-185.	1.3	1
6	The Theory of Special Noise Invariants. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2019, 66, 1305-1318.	3.5	7
7	Transformer-Based Input Integrated Matching in Cascode Amplifiers: Analytical Proofs. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2018, 65, 1495-1504.	3.5	16
8	Editors' Choice – Review – Semiconductor Integrated Radar for Sensing Applications. <i>ECS Journal of Solid State Science and Technology</i> , 2018, 7, Q3126-Q3142.	0.9	6
9	A Study on Extending f_{T} in TIIMCA LNA Topology. , 2018, , .		0
10	Input Integrated Matching in RF LNA with Inductive Degeneration in Low-Power Regime. , 2018, , .		1
11	Analyses and techniques for phase noise reduction in CMOS Hartley oscillator topology. <i>International Journal of Circuit Theory and Applications</i> , 2017, 45, 1993-2016.	1.3	4
12	50-ÅGHz active-ÅLC CMOS oscillator: Theoretical study and experimental proofs. <i>Radio Science</i> , 2017, 52, 1117-1128.	0.8	2
13	Two mm-Wave Vector Modulator Active Phase Shifters With Novel IQ Generator in 28 nm FDSOI CMOS. <i>IEEE Journal of Solid-State Circuits</i> , 2017, 52, 344-356.	3.5	92
14	Transformer-Åcoupled Ånetwork differential CMOS oscillator circuit topology. <i>International Journal of Circuit Theory and Applications</i> , 2017, 45, 407-418.	1.3	4
15	K-Band SiGe System-on-Chip Radiometric Receiver for Remote Sensing of the Atmosphere. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2017, 64, 3025-3035.	3.5	15
16	1.29-W/mm ² 23-dBm 66-GHz Power Amplifier in 55-nm SiGe BiCMOS With In-Line Coplanar Transformer Power Splitters and Combiner. <i>IEEE Microwave and Wireless Components Letters</i> , 2017, 27, 1146-1148.	2.0	19
17	On-Chip Millimeter-Wave Cold-Source Noise Figure Measurements With PNA-X. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2017, 66, 3399-3401.	2.4	8
18	On-Body Characterization of Planar Differential Antennas for Multiple, Wide, and Narrow Bands. <i>International Journal of Antennas and Propagation</i> , 2016, 2016, 1-9.	0.7	1

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19	Phase noise analysis in CMOS differential Armstrong oscillator topology. International Journal of Circuit Theory and Applications, 2016, 44, 1697-1705.	1.3	3
20	67 GHz three-spiral transformer CMOS oscillator. International Journal of Circuit Theory and Applications, 2016, 44, 1798-1813.	1.3	6
21	K-band SiGe dual-input LNA and detector for SoC radiometers for remote sensing of atmosphere. , 2016, , .		3
22	Transformer-based input integrated matching in cascode Amplifier: Circuit analysis and comparison with inductive degeneration. , 2016, , .		4
23	Sub-100 ps monocycle pulses for 5G UWB communications. , 2016, , .		7
24	A novel differential Colpitts CMOS oscillator circuit topology. , 2016, , .		2
25	A novel differential Hartley CMOS oscillator circuit topology. , 2016, , .		0
26	60 GHz CMOS VCO with transformer coupling network. , 2016, , .		1
27	UWB Radios " The maturity age?. , 2016, , .		3
28	Analysis and design of mm-wave detectors in SiGe SoC radiometers for spaceborne observations of solar flares. , 2016, , .		3
29	Design and test of W-band passive circuit components in 28nm bulk CMOS technology. , 2016, , .		0
30	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
31	50 GHz LC-active oscillator in 65 nm CMOS. , 2015, , .		1
32	Analysis and design of Ka-band SoC radiometer for space detection of solar flares. , 2015, , .		4
33	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
34	Analyses of phase noise reduction techniques in CMOS Hartley oscillator topology at the mm-waves: Inductive degeneration and optimum current density. , 2015, , .		1
35	Analyses of phase noise reduction techniques in CMOS Hartley oscillator topology at the mm-waves: Noise filter and optimum current density. , 2015, , .		1
36	Analyses of phase noise reduction techniques in CMOS Colpitts oscillator topology at the mm-waves: Noise filter and optimum current density. , 2015, , .		2

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37	Impact of switching on design of Ka-band SoC Dicke radiometer for space detection of solar flares. , 2015, , .		2
38	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
39	A novel phase shifter for 60 GHz phased arrays. , 2015, , .		6
40	A black-box approach to RF LNA design. , 2015, , .		0
41	Analyses of phase noise reduction techniques in CMOS Colpitts oscillator topology at the mm-waves: Inductive degeneration and optimum current density. , 2015, , .		2
42	A compact 67 GHz oscillator in 65nm CMOS. , 2015, , .		0
43	32 dB Gain 28 nm Bulk CMOS W-Band LNA. IEEE Microwave and Wireless Components Letters, 2015, 25, 55-57.	2.0	35
44	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
45	Comparative Analyses of Phase Noise in 28nm 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
46	UWB pulse radio transceivers and antennas: Considerations on design and implementation. , 2014, , .		2
47	Planar Differential Antenna Design and Integration With Pulse Radar Microchip Sensor. IEEE Sensors Journal, 2014, 14, 2477-2487.	2.4	9
48	50 GHz mm-Wave CMOS Active Inductor. IEEE Microwave and Wireless Components Letters, 2014, 24, 254-256.	2.0	22
49	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
50	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
51	Planar Differential Antenna for Short-Range UWB Pulse Radar Sensor. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1527-1530.	2.4	11
52	13 GHz CMOS Active Inductor LC VCO. IEEE Microwave and Wireless Components Letters, 2012, 22, 138-140.	2.0	47
53	Millimeter-wave high-Q active inductor in 65nm CMOS. , 2012, , .		2
54	0.4V low-power 60-GHz oscillator in 65nm CMOS. , 2012, , .		4

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55	Feasibility study including detector non-idealities of a 95-GHz CMOS SoC radiometer for passive imaging. , 2012, , .		1
56	Performances and trends in millimeter-wave CMOS voltage controlled oscillators. , 2012, , .		2
57	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
58	Complements on phase noise analysis and design of CMOS ring oscillators. , 2012, , .		2
59	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
60	LC-Active VCO for CMOS RF transceivers. International Journal of Circuit Theory and Applications, 2010, 38, 69-84.	1.3	17
61	UWB CMOS Monocycle Pulse Generator. IEEE Transactions on Circuits and Systems I: Regular Papers, 2010, 57, 2654-2664.	3.5	44
62	Enabling technology for heart health wireless assistance. , 2010, , .		14
63	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
64	Microwave Active Inductors. IEEE Microwave and Wireless Components Letters, 2009, 19, 461-463.	2.0	25