

Domenico Pepe

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/430727/domenico-pepe-publications-by-year.pdf>

Version: 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

57
papers

659
citations

13
h-index

23
g-index

67
ext. papers

828
ext. citations

2.5
avg, IF

4.16
L-index

#	Paper	IF	Citations
57	. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2018 , 65, 1495-1504	3.9	9
56	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	2	2
55	50GHz active-LC CMOS oscillator: Theoretical study and experimental proofs. <i>Radio Science</i> , 2017 , 52, 1117-1128	1.4	2
54	. <i>IEEE Journal of Solid-State Circuits</i> , 2017 , 52, 344-356	5.5	51
53	Transformer-coupled network differential CMOS oscillator circuit topology. <i>International Journal of Circuit Theory and Applications</i> , 2017 , 45, 407-418	2	3
52	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	2.6	13
51	On-Chip Millimeter-Wave Cold-Source Noise Figure Measurements With PNA-X. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2017 , 66, 3399-3401	5.2	4
50	Sub-100 ps monocycle pulses for 5G UWB communications 2016 ,		5
49	A novel differential Colpitts CMOS oscillator circuit topology 2016 ,		2
48	Analyses and techniques for phase noise reduction in CMOS Colpitts oscillator topology. <i>International Journal of Circuit Theory and Applications</i> , 2016 , 44, 616-638	2	11
47	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	1.2	1
46	Phase noise analysis in CMOS differential Armstrong oscillator topology. <i>International Journal of Circuit Theory and Applications</i> , 2016 , 44, 1697-1705	2	2
45	67 GHz three-spiral transformer CMOS oscillator. <i>International Journal of Circuit Theory and Applications</i> , 2016 , 44, 1798-1813	2	5
44	Transformer-based input integrated matching in cascode Amplifier: Circuit analysis and comparison with inductive degeneration 2016 ,		2
43	Analysis of Phase Noise in 28 nm CMOS LC Oscillator Differential Topologies: Armstrong, Colpitts, Hartley and Common-Source Cross-Coupled Pair. <i>Journal of Circuits, Systems and Computers</i> , 2015 , 24, 1550052	0.9	8
42	72 GHz CMOS LNA with transformer-based input integrated matching 2015 ,		4
41	A novel phase shifter for 60 GHz phased arrays 2015 ,		5

40	32 dB Gain 28 nm Bulk CMOS W-Band LNA. <i>IEEE Microwave and Wireless Components Letters</i> , 2015 , 25, 55-57	2.6	24
39	High-Frequency CMOS Active Inductor: Design Methodology and Noise Analysis. <i>IEEE Transactions on Very Large Scale Integration (VLSI) Systems</i> , 2015 , 23, 1123-1136	2.6	10
38	50 GHz LC-active oscillator in 65 nm CMOS 2015 ,		1
37	Design Variations on Planar Differential Antenna with Potential for Multiple, Wide, and Narrow Band Coverage. <i>International Journal of Antennas and Propagation</i> , 2015 , 2015, 1-13	1.2	3
36	Analyses of phase noise reduction techniques in CMOS Colpitts oscillator topology at the mm-waves: Noise filter and optimum current density 2015 ,		2
35	2015 ,		2
34	Comparative analyses of phase noise in differential oscillator topologies in 28 nm CMOS technology 2014 ,		3
33	Planar Differential Antenna Design and Integration With Pulse Radar Microchip Sensor. <i>IEEE Sensors Journal</i> , 2014 , 14, 2477-2487	4	9
32	Monitoring respiratory pattern in adult and infant via contactless detection of thorax and abdomen movements through SoC UWB pulse radar sensor 2014 ,		3
31	50 GHz mm-Wave CMOS Active Inductor. <i>IEEE Microwave and Wireless Components Letters</i> , 2014 , 24, 254-256	2.6	14
30	Comparative analyses of phase noise in 28 nm CMOS LC oscillator circuit topologies: Hartley, Colpitts, and common-source cross-coupled differential pair. <i>Scientific World Journal, The</i> , 2014 , 2014, 421321	2.2	9
29	UWB pulse radio transceivers and antennas: Considerations on design and implementation 2014 ,		2
28	System-on-a-Chip Radio Transceivers for 60-GHz Wireless Body-Centric Communications 2014 , 177-187		2
27	System-on-a-Chip UWB Radar Sensor for Contactless Respiratory Monitoring: Technology and Applications 2014 , 67-81		1
26	Analyses and design of 95-GHz SoC CMOS radiometers for passive body imaging. <i>Analog Integrated Circuits and Signal Processing</i> , 2013 , 77, 373-383	1.2	9
25	Performance and Trends in Millimetre-Wave CMOS Oscillators for Emerging Wireless Applications. <i>International Journal of Microwave Science and Technology</i> , 2013 , 2013, 1-6		12
24	Phase Noise comparative analysis of LC oscillators in 28-nm CMOS through the Impulse Sensitivity Function 2013 ,		6
23	Planar Differential Antenna for Short-Range UWB Pulse Radar Sensor. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2013 , 12, 1527-1530	3.8	9

22	13 GHz CMOS Active Inductor LC VCO. <i>IEEE Microwave and Wireless Components Letters</i> , 2012 , 22, 138-140	35
21	Millimeter-wave high-Q active inductor in 65nm CMOS 2012 ,	1
20	0.4V low-power 60-GHz oscillator in 65nm CMOS 2012 ,	3
19	Complements on phase noise analysis and design of CMOS ring oscillators 2012 ,	2
18	SoC CMOS UWB Pulse Radar Sensor for Contactless Respiratory Rate Monitoring. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2011 , 5, 503-10	5.1 151
17	CMOS UWB Multiplier. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2011 , 58, 570-574	3.5 11
16	A 90nm CMOS SoC UWB pulse radar for respiratory rate monitoring 2011 ,	18
15	UWB CMOS Monocycle Pulse Generator. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2010 , 57, 2654-2664	3.9 33
14	Enabling technology for heart health wireless assistance 2010 ,	11
13	60-GHz transceivers for wireless HD uncompressed video communication in nano-era CMOS technology 2010 ,	11
12	LC-active VCO for CMOS RF transceivers. <i>International Journal of Circuit Theory and Applications</i> , 2010 , 38, 69-84	2 13
11	22.7-dB Gain -19.7 -dBm $ICP_{1\{rm\ dB\}}$ UWB CMOS LNA. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2009 , 56, 689-693	3.5 27
10	Microwave Active Inductors. <i>IEEE Microwave and Wireless Components Letters</i> , 2009 , 19, 461-463	2.6 19
9	CMOS correlation receiver for UWB pulse radar 2009 ,	3
8	Feasibility Study and Design of a Wearable System-on-a-Chip Pulse Radar for Contactless Cardiopulmonary Monitoring. <i>International Journal of Telemedicine and Applications</i> , 2008 , 328597	2.6 22
7	Wearable System-on-a-Chip Pulse Radar Sensors for the Health Care: System Overview 2007 ,	6
6	Wearable system-on-a-chip UWB radar for health care and its application to the safety improvement of emergency operators. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007 , 2007, 2651-4	18
5	A Novel LNA Topology with Transformer-based Input Integrated Matching and its 60-GHz Millimeter-wave CMOS 65-nm Design 2007 ,	6

- 4 UWB 3.1-10.6 GHz CMOS Transmitter for System-on-a-chip Nano-Power Pulse Radars **2007**, 4
- 3 Feasibility study of a low-cost system-on-a-chip UWB pulse radar on silicon for the heart monitoring **2007**, 7
- 2 System-on-a-chip pulse radar for contactless motion sensing in human-machine smart interfaces 155-169
- 1 System-Level Simulations Investigating the System-on-Chip Implementation of 60-GHz Transceivers for Wireless Uncompressed HD Video Communications 7