

Cam Nguyen

List of Publications by Year in descending order

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81
papers

814
citations

471509

17
h-index

526287

27
g-index

82
all docs

82
docs citations

82
times ranked

709
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultra-Compact High-Linearity High-Power Fully Integrated DCâ€“20-GHz 0.18- μm CMOS T/R Switch. IEEE Transactions on Microwave Theory and Techniques, 2007, 55, 30-36.	4.6	117
2	Development of a Tunable Multiband UWB Radar Sensor and Its Applications to Subsurface Sensing. IEEE Sensors Journal, 2007, 7, 51-58.	4.7	59
3	A 10â€“67-GHz CMOS Dual-Function Switching Attenuator With Improved Flatness and Large Attenuation Range. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 4118-4129.	4.6	50
4	Multilayer Design Techniques for Extremely Miniaturized CMOS Microwave and Millimeter-Wave Distributed Passive Circuits. IEEE Transactions on Microwave Theory and Techniques, 2006, 54, 4218-4224.	4.6	48
5	An Ultra-Wideband Low-Loss Millimeter-Wave Slow-Wave Wilkinson Power Divider on 0.18 μm SiGe BiCMOS Process. IEEE Microwave and Wireless Components Letters, 2015, 25, 331-333.	3.2	36
6	New Ultra-High-Isolation RF Switch Architecture and Its Use for a 10â€“38-GHz 0.18- μm BiCMOS Ultra-Wideband Switch. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 345-353.	4.6	33
7	A K_{ext} /Ka-Band Concurrent Dual-Band Single-Ended Input to Differential Output Low-Noise Amplifier Employing a Novel Transformer Feedback Dual-Band Load. IEEE Transactions on Circuits and Systems I: Regular Papers, 2018, 65, 2679-2690.	5.4	32
8	New Technique for Synthesizing Concurrent Dual-Band Impedance-Matching Filtering Networks and $0.18\text{-}\mu\text{m}$ SiGe BiCMOS 25.5/37-GHz Concurrent Dual-Band Power Amplifier. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 3927-3939.	4.6	30
9	A 44 GHz CMOS RFIC Dual-Function Attenuator with Band-Pass-Filter Response. IEEE Microwave and Wireless Components Letters, 2015, 25, 241-243.	3.2	29
10	A Novel Multilayer Aperture-Coupled Cavity Resonator for Millimeter-Wave CMOS RFICs. IEEE Transactions on Microwave Theory and Techniques, 2007, 55, 783-787.	4.6	28
11	A Concurrent Tri-Band Low-Noise Amplifier With a Novel Tri-Band Load Resonator Employing Feedback Notches. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 4195-4208.	4.6	28
12	A Novel Concurrent 22â€“29/57â€“64-GHz Dual-Band CMOS Step Attenuator With Low Phase Variations. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 1867-1875.	4.6	26
13	A High-Gain Power-Efficient Wideband V-Band LNA in 0.18- μm SiGe BiCMOS. IEEE Microwave and Wireless Components Letters, 2016, 26, 276-278.	3.2	25
14	A 16.5â€“28 GHz 0.18- μm BiCMOS Power Amplifier With Flat 19.4 pm 1.2 dBm Output Power. IEEE Microwave and Wireless Components Letters, 2014, 24, 108-110.	3.2	24
15	A Concurrent K_u /K/Ka Tri-Band Distributed Power Amplifier With Negative-Resistance Active Notch Using SiGe BiCMOS Process. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 125-136.	4.6	22
16	A V-Band Power Amplifier With Integrated Wilkinson Power Dividers-Combiners and Transformers in 0.18- μm SiGe BiCMOS. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 337-341.	3.0	21
17	A Wideband Low-Power-Consumption 22â€“32.5-GHz 0.18- μm BiCMOS Active Balun-LNA With IM2 Cancellation Using a Transformer-Coupled Cascade-Cascade Topology. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 536-547.	4.6	19
18	Integrated Multilayered On-Chip Inductors for Compact CMOS RFICs and Their Use in a Miniature Distributed Low-Noise-Amplifier Design for Ultra-Wideband Applications. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 1783-1789.	4.6	16

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19	Low-Power-Consumption Wide-Locking-Range Dual-Injection-Locked 1/2 Divider Through Simultaneous Optimization of VCO Loaded Q and Current. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 3161-3168.	4.6	15
20	High-Isolation Multimode Multifunction 24-/60-GHz CMOS Dual-Bandpass Filtering T/R Switch. IEEE Microwave and Wireless Components Letters, 2018, 28, 696-698.	3.2	13
21	A concurrent dual-band low-noise amplifier for K- and Ka-band applications in SiGe BiCMOS technology. , 2013, , .		12
22	Ultra-Wideband Active Balun Topology and Its Implementation on SiGe BiCMOS Across DC-50 GHz. IEEE Microwave and Wireless Components Letters, 2016, 26, 720-722.	3.2	12
23	Concurrent Dual -Band T/R/Calibration Switch Module With Quasi-Elliptic Dual-Bandpass Frequency Response Implementing Metamaterial Transmission Line and Negative Resistance. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 585-598.	4.6	11
24	An Ultra-Wideband Low Power-Consumption Low Noise-Figure High-Gain RF Power-Efficient DC-3.5-GHz CMOS Integrated Sampling Mixer Subsystem. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 1069-1075.	4.6	10
25	A Millimeter-Wave CMOS Dual-Bandpass T/R Switch With Dual-Band LC Network. IEEE Microwave and Wireless Components Letters, 2017, 27, 654-656.	3.2	8
26	A 60 GHz 2.5 Gbps OOK Modulator with Data-Dependent Impedance Cell for Enhanced ON/OFF Isolation in 0.18 μm BiCMOS Process. IEEE Microwave and Wireless Components Letters, 2015, 25, 244-246.	3.2	7
27	A SiGe BiCMOS Concurrent K/V Dual-Band 16-Way Power Divider and Combiner. IEEE Transactions on Circuits and Systems I: Regular Papers, 2018, 65, 1850-1861.	5.4	7
28	High-Isolation multi-port millimeter-wave CMOS dual-band T/R switch with integrated bandpass filtering function. IET Microwaves, Antennas and Propagation, 2017, 11, 253-259.	1.4	6
29	Tunable monocycle pulse generator using switch controlled delay line and tunable RC network for UWB systems. , 2010, , .		5
30	A 13/24/35-GHz concurrent tri-band LNA with feedback notches. , 2013, , .		4
31	Dual Q/V-Band SiGe BiCMOS Low Noise Amplifiers Using Q-Enhanced Metamaterial Transmission Lines. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 898-902.	3.0	4
32	Development of a low-cost, compact planar synchronous receiver for UWB systems. , 2006, , .		3
33	Some Recent Developments of Microwave and Millimeter-wave Sensors. Sensing and Imaging, 2006, 7, 47-70.	1.5	3
34	Fully integrated CMOS impulse UWB transmitter front-ends with BPSK modulation. Microwave and Optical Technology Letters, 2010, 52, 1609-1614.	1.4	3
35	A 10–67-GHz CMOS step attenuator with improved flatness and large attenuation range. , 2013, , .		3
36	Multi-band radio-frequency integrated circuits for multiband and multimode wireless communication, radar and sensing systems in harsh environments. , 2014, , .		3

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37	A small-insertion-loss-variation phase shifter with optimized body-floating transistors. , 2015, , .		3
38	A new impedance-matching technique for dual-band RF circuits and antennas. , 2015, , .		3
39	On the investigation of cascode power amplifiers for 5G applications. Microwave and Optical Technology Letters, 2019, 61, 1774-1777.	1.4	3
40	A High-Isolation 26.5â€“36.2-GHz T/R Duplexer Module on 0.18-Î¼m BiCMOS for 5G Systems. IEEE Microwave and Wireless Components Letters, 2021, 31, 300-303.	3.2	3
41	A multipulse transmitter for UWB radar and communication systems. , 2006, , .		2
42	An extremely miniaturized 15-GHz CMOS distributed voltage-controlled oscillator. Microwave and Optical Technology Letters, 2009, 51, 1953-1955.	1.4	2
43	A complete single-chip multi-standard dual-mode CMOS RFID reader with low power consumption. , 2012, , .		2
44	New dual-band band-pass filter design with enhanced dual-band skirt characteristics. , 2013, , .		2
45	K/Ka-band Single-Pole Single-Throw switch with integrated filtering function. , 2014, , .		2
46	DCâ€“toâ€“67 GHz highâ€“speed BiCMOS BJT characterization with onâ€“wafer calibration and EMâ€“based deâ€“embedding. Microwave and Optical Technology Letters, 2014, 56, 1285-1292.	1.4	2
47	Dual-band filter design with new frequency-transformation method having both band-pass and high-pass responses. , 2014, , .		2
48	Wideband dual-bandpass 0.18-Î¼m CMOS SPDT switch utilizing dual-band resonator concept. Microwave and Optical Technology Letters, 2018, 60, 1215-1219.	1.4	2
49	A New CMOS Multilayer Electromagnetic Band-Gap Microstrip Line and Experimental Investigation of UWB Pulse Propagation. IEEE Microwave and Wireless Components Letters, 2007, 17, 522-524.	3.2	1
50	A multi-band UWB radar for sensing objects. , 2007, , .		1
51	Theoretical investigation of a novel location sensor. , 2008, , .		1
52	A CMOS fully integrated concurrent dual ultrawideband receiver frontend. Microwave and Optical Technology Letters, 2009, 51, 2003-2007.	1.4	1
53	Integrated CMOS impulse UWB receiver frontâ€“end design. Microwave and Optical Technology Letters, 2009, 51, 2590-2595.	1.4	1
54	Investigation of on-chip phase-noise reduction using self-injection technique on fully integrated frequency dividers. , 2012, , .		1

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55	A multistandard dual-mode fully-integrated miniature, low-power-consumption 860-960 MHz CMOS RFID reader for mobile communications, sensing, and networking. Microwave and Optical Technology Letters, 2012, 54, 2487-2491.	1.4	1
56	Dual-injection-locked ½ divider with optimized VCO loaded Q and current. , 2013, , .		1
57	Low-cost integrated-circuit transmitter and receiver for UWB communications. , 2013, , .		1
58	A 10.5-GHz divide-by-3 injection-locked frequency divider with enhanced locking range by even-harmonic phase tuning in 0.18 $\hat{1}/4$ m BiCMOS. Microwave and Optical Technology Letters, 2014, 56, 2249-2252.	1.4	1
59	Design of a novel DC-67-GHz 0.18- $\hat{1}/4$ m SiGe BiCMOS power divider. , 2015, , .		1
60	A 4.6â€“5.9 GHz fully integrated 0.25- \hat{A} um CMOS complementary LC VCO with buffer. , 2016, , .		1
61	Design of a Ka/V-Band CMOS T/R Filter-Switch. , 2018, , .		1
62	25â€“53â€“GHz ultraâ€“wideband highâ€“isolation passive balanced duplexer on 0.18â€“ $\hat{1}/4$ m BiCMOS for 5G applications. IET Microwaves, Antennas and Propagation, 2020, 14, 1960-1968.	1.4	1
63	Announcement of Journal Changes. Subsurface Sensing Technologies and Applications, 2005, 6, 291-291.	0.9	0
64	A Ka-band stepped-frequency radar sensor for surface and subsurface sensing. , 2007, , .		0
65	A power-efficient CMOS UWB signal-generation module. , 2007, , .		0
66	An integrated CMOS transmitter-antenna for UWB systems. , 2007, , .		0
67	Microstrip quasi-horn antenna for UWB radars and sensors. , 2008, , .		0
68	High power and linearity CMOS RFIC transmit-receive switch for ultra-Wideband radar and communication systems. , 2008, , .		0
69	An ultra-Wideband uniplanar antenna for UWB systems. , 2008, , .		0
70	A BiCMOS Kaâ€“band RFâ€“pulse former for shortâ€“range highâ€“resolution radar and highâ€“dataâ€“rate communication systems. Microwave and Optical Technology Letters, 2013, 55, 2773-2777.	1.4	0
71	UWB CMOS transmitters for UWB communications. , 2013, , .		0
72	Design of 60-GHz 0.18- $\hat{1}/4$ m SiGe BiCMOS OOK modulator for Gbps DATA communication. , 2015, , .		0

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73	Investigation of an advanced millimeter-wave 94-GHz phased array for communications and sensing. , 2016, , .		0
74	Some recent developments of millimeter-wave RFIC attenuators. , 2016, , .		0
75	On the design of CMOS phase shifters with small insertion loss variation for phased arrays and its validation at 24 GHz. Microwave and Optical Technology Letters, 2016, 58, 2203-2210.	1.4	0
76	Application and implementation of computational electromagnetics in radio-frequency integrated-circuit design. , 2017, , .		0
77	On the development of a dual-band 0.18-µm BiCMOS transmit/receive switch for microwave and millimeter-wave array transceivers. , 2017, , .		0
78	A High Power and High Linearity 16.5-25.5 GHz 0.18-µm BiCMOS Power Amplifier. , 2018, , .		0
79	A K-/Ka-band concurrent dual-band low-noise amplifier employing a feedback notch technique with simultaneous passband gain and stopband rejection control. Microwave and Optical Technology Letters, 2018, 60, 1429-1435.	1.4	0
80	Design of CMOS Dual-Band Dual-Function Filter-Switches. Springer Briefs in Electrical and Computer Engineering, 2020, , 45-93.	0.5	0
81	On the Development of a High-Performance Millimeter-Wave Fully-Integrated BiCMOS FDD T/R Front-End Module for 5G Wireless Systems. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 2489-2498.	4.6	0