

Dan Kuylenstierna

List of Publications by Year in descending order

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34
papers

641
citations

687363

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34
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34
times ranked

558
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-source Intermodulation in a Loaded-line Phase Shifter. , 2021, , .		0
2	Photoluminescence Properties and Fabrication of Red-Emitting LEDs based on $\text{Ca}_{0.9}\text{Eu}_{0.1}\text{VO}_{0.4}\text{PO}_{0.7}$ Phosphor. ECS Journal of Solid State Science and Technology, 2020, 9, 016004.	1.8	9
3	A low-phase noise D -band signal source based on 130 nm SiGe BiCMOS and 0.15 μm AlGaIn/GaN HEMT technologies. International Journal of Microwave and Wireless Technologies, 2019, 11, 456-465.	1.9	0
4	Design and Large-Signal Characterization of High-Power Varactor-Based Impedance Tuners. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 1744-1753.	4.6	13
5	Influence of White LO Noise on Wideband Communication. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 3349-3359.	4.6	28
6	Analysis of a MEMS Tuned Cavity Oscillator on X -Band. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 3257-3268.	4.6	0
7	RF-MEMS Tuned GaN HEMT based Cavity Oscillator for X-band. IEEE Microwave and Wireless Components Letters, 2017, 27, 46-48.	3.2	7
8	Does LO Noise Floor Limit Performance in Multi-Gigabit Millimeter-Wave Communication?. IEEE Microwave and Wireless Components Letters, 2017, 27, 769-771.	3.2	25
9	Influence on Noise Performance of GaN HEMTs With In Situ and Low-Pressure-Chemical-Vapor-Deposition SiN_x Passivation. IEEE Transactions on Electron Devices, 2016, 63, 3887-3892.	3.0	9
10	Effects of Surface Passivation and Deposition Methods on the $1/f$ Noise Performance of AlInN/AlN/GaN High Electron Mobility Transistors. IEEE Electron Device Letters, 2015, 36, 315-317.	3.9	16
11	Phase-Noise Analysis of an X-Band Ultra-Low Phase-Noise GaN HEMT Based Cavity Oscillator. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 2619-2629.	4.6	12
12	Low phase noise power-efficient MMIC GaN-HEMT oscillator at 15 GHz based on a quasi-lumped on-chip resonator. , 2015, , .		6
13	Optimized Design of a Dual-Band Power Amplifier With SiC Varactor-Based Dynamic Load Modulation. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 2579-2588.	4.6	31
14	Oscillator phase noise and small-scale channel fading in higher frequency bands. , 2014, , .		12
15	A GaN MMIC Modified Doherty PA With Large Bandwidth and Reconfigurable Efficiency. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 3006-3016.	4.6	51
16	Calculation of the Performance of Communication Systems From Measured Oscillator Phase Noise. IEEE Transactions on Circuits and Systems I: Regular Papers, 2014, 61, 1553-1565.	5.4	95
17	Low Phase Noise GaN HEMT Oscillators With Excellent Figures of Merit. IEEE Microwave and Wireless Components Letters, 2014, 24, 412-414.	3.2	20
18	Accurate Phase-Noise Prediction for a Balanced Colpitts GaN HEMT MMIC Oscillator. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 3916-3926.	4.6	18

#	ARTICLE	IF	CITATIONS
19	A Wideband and Compact GaN MMIC Doherty Amplifier for Microwave Link Applications. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 922-930.	4.6	92
20	A method to lower VCO phase noise by using HBT darlington pair. , 2012, , .		1
21	A 20 GHz Low Phase Noise Signal Source Using VCO and Mixer in InGaP/GaAs HBT. , 2012, , .		0
22	Design of Low Phase-Noise Oscillators and Wideband VCOs in InGaP HBT Technology. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 3420-3430.	4.6	23
23	An X-Band Low Phase Noise AlGaIn-GaN-HEMT MMIC Push-Push Oscillator. , 2011, , .		5
24	On models, bounds, and estimation algorithms for time-varying phase noise. , 2011, , .		21
25	Layout Optimization of Small-Size Ferroelectric Parallel-Plate Varactors. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 1475-1484.	4.6	6
26	Low phase noise MMIC oscillators in InGaP HBT technology. , 2008, , .		1
27	Integrated 60 GHz Circuits and Systems for High-Speed Communications. , 2008, , .		0
28	A generic, multi-purpose, and small-size 60 GHz transmit/receive module used for secure WLAN communication. , 2008, , .		1
29	60 GHz Single-Chip Front-End MMICs and Systems for Multi-Gb/s Wireless Communication. IEEE Journal of Solid-State Circuits, 2007, 42, 1143-1157.	5.4	75
30	Analysis and Design of Millimeter-Wave FET-Based Image Reject Mixers. IEEE Transactions on Microwave Theory and Techniques, 2007, 55, 2065-2074.	4.6	19
31	Single-Chip 60 GHz Transmitter and Receiver MMICs in a GaAs mHEMT Technology. , 2006, , .		11
32	X-band Left Handed Phase Shifter using Thin Film Ba _{0.25} Sr _{0.75} TiO ₃ Ferroelectric Varactors. , 2006, , .		13
33	Is the Second Order Lattice Balun a good solution in MMICs- A Comparison with a Direct-Coupled Transformer Balun. , 2005, , .		0
34	Material defects in 4H-silicon carbide diodes. Journal of Applied Physics, 2003, 93, 611-618.	2.5	21