

# Dan Kuylenstierna

## List of Publications by Year in descending order

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34  
papers

641  
citations

687363

13  
h-index

794594

19  
g-index

34  
all docs

34  
docs citations

34  
times ranked

558  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | 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        |
| 2  | 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        |
| 3  | 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        |
| 4  | 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        |
| 5  | 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        |
| 6  | Influence of White LO Noise on Wideband Communication. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 3349-3359.  | 4.6 | 28        |
| 7  | 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        |
| 8  | 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        |
| 9  | Material defects in 4H-silicon carbide diodes. Journal of Applied Physics, 2003, 93, 611-618.  | 2.5 | 21        |
| 10 | On models, bounds, and estimation algorithms for time-varying phase noise. , 2011, , .   |     | 21        |
| 11 | Low Phase Noise GaN HEMT Oscillators With Excellent Figures of Merit. IEEE Microwave and Wireless Components Letters, 2014, 24, 412-414.   | 3.2 | 20        |
| 12 | 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        |
| 13 | 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        |
| 14 | 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        |
| 15 | X-band Left Handed Phase Shifter using Thin Film Ba <sub>0.25</sub> SR <sub>0.75</sub> TiO <sub>3</sub> Ferroelectric Varactors. , 2006, , .   |     | 13        |
| 16 | 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        |
| 17 | Oscillator phase noise and small-scale channel fading in higher frequency bands. , 2014, , .   |     | 12        |
| 18 | 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        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Single-Chip 60 GHz Transmitter and Receiver MMICs in a GaAs mHEMT Technology. , 2006, , .  |     | 11        |
| 20 | Influence on Noise Performance of GaN HEMTs With <i>In Situ</i> and Low-Pressure-Chemical-Vapor-Deposition SiN <sub>x</sub> Passivation. IEEE Transactions on Electron Devices, 2016, 63, 3887-3892.             | 3.0 | 9         |
| 21 | Photoluminescence Properties and Fabrication of Red-Emitting LEDs based on Ca <sub>9</sub> Eu(VO <sub>4</sub> ) <sub>7</sub> Phosphor. ECS Journal of Solid State Science and Technology, 2020, 9, 016004.       | 1.8 | 9         |
| 22 | RF-MEMS Tuned GaN HEMT based Cavity Oscillator for X-band. IEEE Microwave and Wireless Components Letters, 2017, 27, 46-48.  | 3.2 | 7         |
| 23 | Layout Optimization of Small-Size Ferroelectric Parallel-Plate Varactors. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 1475-1484.   | 4.6 | 6         |
| 24 | Low phase noise power-efficient MMIC GaN-HEMT oscillator at 15 GHz based on a quasi-lumped on-chip resonator. , 2015, , .  |     | 6         |
| 25 | An X-Band Low Phase Noise AlGaIn-GaN-HEMT MMIC Push-Push Oscillator. , 2011, , .   |     | 5         |
| 26 | Low phase noise MMIC oscillators in InGaP HBT technology. , 2008, , .  |     | 1         |
| 27 | A generic, multi-purpose, and small-size 60 GHz transmit/receive module used for secure WLAN communication. , 2008, , .  |     | 1         |
| 28 | A method to lower VCO phase noise by using HBT darlington pair. , 2012, , .  |     | 1         |
| 29 | Integrated 60 GHz Circuits and Systems for High-Speed Communications. , 2008, , .  |     | 0         |
| 30 | A 20 GHz Low Phase Noise Signal Source Using VCO and Mixer in InGaP/GaAs HBT. , 2012, , .  |     | 0         |
| 31 | Analysis of a MEMS Tuned Cavity Oscillator on $\times\times$ -Band. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 3257-3268.   | 4.6 | 0         |
| 32 | A low-phase noise <i>D</i> -band signal source based on 130 nm SiGe BiCMOS and 0.15 $\mu\text{m}$ AlGaIn/GaN HEMT technologies. International Journal of Microwave and Wireless Technologies, 2019, 11, 456-465. | 1.9 | 0         |
| 33 | Multi-source Intermodulation in a Loaded-line Phase Shifter. , 2021, , .   |     | 0         |
| 34 | Is the Second Order Lattice Balun a good solution in MMICs- A Comparison with a Direct-Coupled Transformer Balun. , 2005, , .  |     | 0         |