

# Kwang-Jin Koh

## List of Publications by Year in descending order

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23  
papers

1,047  
citations

623734

14  
h-index

794594

19  
g-index

23  
all docs

23  
docs citations

23  
times ranked

834  
citing authors

#	ARTICLE	IF	CITATIONS
1	0.13- $\mu\text{m}$ CMOS Phase Shifters for X-, Ku-, and K-Band Phased Arrays. IEEE Journal of Solid-State Circuits, 2007, 42, 2535-2546.	5.4	330
2	An Improved Wideband All-Pass I/Q Network for Millimeter-Wave Phase Shifters. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 3431-3439.	4.6	148
3	An X- and Ku-Band 8-Element Phased-Array Receiver in 0.18- $\mu\text{m}$ SiGe BiCMOS Technology. IEEE Journal of Solid-State Circuits, 2008, 43, 1360-1371.	5.4	144
4	A Millimeter-Wave (40-45 GHz) 16-Element Phased-Array Transmitter in 0.18- $\mu\text{m}$ SiGe BiCMOS Technology. IEEE Journal of Solid-State Circuits, 2009, 44, 1498-1509.	5.4	132
5	Integrated Inverse Class-F Silicon Power Amplifiers for High Power Efficiency at Microwave and mm-Wave. IEEE Journal of Solid-State Circuits, 2016, 51, 2420-2434.	5.4	43
6	A Q-Band Four-Element Phased-Array Front-End Receiver With Integrated Wilkinson Power Combiners in 0.18- $\mu\text{m}$ SiGe BiCMOS Technology. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 2046-2053.	4.6	39
7	Silicon RFICs for phased arrays. IEEE Microwave Magazine, 2009, 10, 96-103.	0.8	36
8	An Injection Frequency-Locked Loop Autonomous Injection Frequency Tracking Loop With Phase Noise Self-Calibration for Power-Efficient mm-Wave Signal Sources. IEEE Journal of Solid-State Circuits, 2018, 53, 825-838.	5.4	26
9	24-GHz Injection-Locked Frequency Tripler With Third-Harmonic Quadrature Phase Generator. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 2898-2906.	5.4	21
10	$W$ -Band (92-100 GHz) Phased-Array Receive Channel With Quadrature-Hybrid-Based Vector Modulator. IEEE Transactions on Circuits and Systems I: Regular Papers, 2018, 65, 2070-2082.	5.4	18
11	A $S$ -Band Two-Element Phased-Array Receiver Front End With Quadrature-Hybrid-Based Vector Modulator. IEEE Microwave and Wireless Components Letters, 2018, 28, 180-182.	3.2	18
12	Power-Efficient $W$ -Band (92-98 GHz) Phased-Array Transmit and Receive Elements With Quadrature-Hybrid-Based Passive Phase Interpolator. IEEE Journal of Solid-State Circuits, 2018, 53, 1678-1693.	5.4	16
13	Integrated Synthetic Fourth-Order $Q$ -Enhanced Bandpass Filter With High Dynamic Range, Tunable Frequency, and Fractional Bandwidth Control. IEEE Journal of Solid-State Circuits, 2019, 54, 768-784.	5.4	16
14	A 28-GHz inverse class-F power amplifier with coupled-inductor based harmonic impedance modulator. , 2015, , .		14
15	Integrated Synthetic Bandstop Filters for Blocker Rejection at RF and Microwave Frequency Bands. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 3557-3567.	4.6	14
16	90° hybrid-coupler based phase-interpolation phase-shifter for phased-array applications at W-band and beyond. , 2016, , .		13
17	Time-Interleaved Phased Arrays With Parallel Signal Processing in RF Modulations. IEEE Transactions on Antennas and Propagation, 2014, 62, 677-689.	5.1	6
18	A Low-Power, High-Linearity Wideband 3.25 GS/s Fourth-Order Programmable Analog FIR Filter Using Split-CDAC Coefficient Multipliers. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 1576-1590.	4.6	5

#	ARTICLE	IF	CITATIONS
19	Time Interleaved RF Carrier Modulations and Demodulations. IEEE Transactions on Circuits and Systems I: Regular Papers, 2014, 61, 573-586.	5.4	4
20	A Q-band phased-array front-end with integrated Wilkinson couplers for linear power combining in SiGe BiCMOS. , 2008, , .		2
21	Finite Delay Response Harmonic Filters. IEEE Transactions on Circuits and Systems I: Regular Papers, 2014, 61, 325-336.	5.4	1
22	Tunable Q-enhanced LC dual-band filtering at microwave frequencies in 0.13 $\mu\text{m}$ SiGe BiCMOS. International Journal of Microwave and Wireless Technologies, 2018, 10, 635-642.	1.9	1
23	An Energy Efficient and Fast Triple-Interferer Sensor Based on Digitally Controlled Injection-Pulled Oscillator. IEEE Solid-State Circuits Letters, 2018, 1, 211-214.	2.0	0