

# Kwang-Jin Koh

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9058492/publications.pdf>

Version: 2024-02-01

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	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
2	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
3	Integrated Synthetic Fourth-Order $\pi$ -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
4	An Injection Frequency-Locked Loop-Driven 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
5	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
6	Power-Efficient $\pi$ -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
7	$\pi$ -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
8	A $\pi$ -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
9	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
10	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
11	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
12	90° hybrid-coupler based phase-interpolation phase-shifter for phased-array applications at W-band and beyond. , 2016, , .		13
13	A 28-GHz inverse class-F power amplifier with coupled-inductor based harmonic impedance modulator. , 2015, , .		14
14	Time-Interleaved Phased Arrays With Parallel Signal Processing in RF Modulations. IEEE Transactions on Antennas and Propagation, 2014, 62, 677-689.	5.1	6
15	Finite Delay Response Harmonic Filters. IEEE Transactions on Circuits and Systems I: Regular Papers, 2014, 61, 325-336.	5.4	1
16	Time Interleaved RF Carrier Modulations and Demodulations. IEEE Transactions on Circuits and Systems I: Regular Papers, 2014, 61, 573-586.	5.4	4
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Silicon RFICs for phased arrays. IEEE Microwave Magazine, 2009, 10, 96-103.	0.8	36
20	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
21	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
22	A Q-band phased-array front-end with integrated Wilkinson couplers for linear power combining in SiGe BiCMOS. , 2008, , .		2
23	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