Kamran Entesari

List of Publications by Year in descending order

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99 papers	2,516 citations	172207 29 h-index	205818 48 g-index
99 all docs	99 docs citations	99 times ranked	2310 citing authors

#	Article	IF	Citations
1	High PSR Low Drop-Out Regulator With Feed-Forward Ripple Cancellation Technique. IEEE Journal of Solid-State Circuits, 2010, 45, 565-577.	3.5	211
2	A Highly Efficient and Linear Power Amplifier for 28-GHz 5G Phased Array Radios in 28-nm CMOS. IEEE Journal of Solid-State Circuits, 2016, 51, 3020-3036.	3.5	167
3	A 1.2â€“1.6-GHz Substrate-Integrated-Waveguide RF MEMS Tunable Filter. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 866-876.	2.9	150
4	A Wideband Variable Gain LNA With High OIP3 for 5G Using 40-nm Bulk CMOS. IEEE Microwave and Wireless Components Letters, 2018, 28, 64-66.	2.0	104
5	A 2.8-mW Sub-2-dB Noise-Figure Inductorless Wideband CMOS LNA Employing Multiple Feedback. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 3154-3161.	2.9	85
6	A Self-Sustained CMOS Microwave Chemical Sensor Using a Frequency Synthesizer. IEEE Journal of Solid-State Circuits, 2012, 47, 2467-2483.	3.5	81
7	An Inductor-Less Noise-Cancelling Broadband Low Noise Amplifier With Composite Transistor Pair in 90 nm CMOS Technology. IEEE Journal of Solid-State Circuits, 2011, 46, 1111-1122.	3.5	70
8	A Metamaterial-Inspired Wideband Microwave Interferometry Sensor for Dielectric Spectroscopy of Liquid Chemicals. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 2558-2571.	2.9	69
9	Fluidics in Microwave Components. IEEE Microwave Magazine, 2016, 17, 50-75.	0.7	68
10	A 25â€“75-MHz RF MEMS Tunable Filter. IEEE Transactions on Microwave Theory and Techniques, 2007, 55, 2399-2405.	2.9	65
11	A CMOS Low-Noise Amplifier With Reconfigurable Input Matching Network. IEEE Transactions on Microwave Theory and Techniques, 2009, 57, 1054-1062.	2.9	65
12	Ultra-Miniature SIW Cavity Resonators and Filters. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 4329-4340.	2.9	64
13	A Millimeter-Wave (23â€“32 GHz) Wideband BiCMOS Low-Noise Amplifier. IEEE Journal of Solid-State Circuits, 2010, 45, 289-299.	3.5	56
14	A Reconfigurable SIW Cavity-Backed Slot Antenna With One Octave Tuning Range. IEEE Transactions on Antennas and Propagation, 2013, 61, 3937-3945.	3.1	56
15	A Self-Sustained Microwave System for Dielectric-Constant Measurement of Lossy Organic Liquids. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 1444-1455.	2.9	55
16	Tunable SIW Structures: Antennas, VCOs, and Filters. IEEE Microwave Magazine, 2015, 16, 34-54.	0.7	51
17	A Wideband 28-GHz Transmitâ€“Receive Front-End for 5G Handset Phased Arrays in 40-nm CMOS. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 2946-2963.	2.9	50
18	Miniature and Reconfigurable CPW Folded Slot Antennas Employing Liquid-Metal Capacitive Loading. IEEE Transactions on Antennas and Propagation, 2015, 63, 3798-3807.	3.1	47

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19	A 1.8 dB NF Blocker-Filtering Noise-Canceling Wideband Receiver With Shared TIA in 40 nm CMOS. IEEE Journal of Solid-State Circuits, 2015, 50, 1148-1164.	3.5	45
20	Low-Loss Integrated Passive CMOS Electrical Balance Duplexers With Single-Ended LNA. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 1544-1559.	2.9	45
21	A 0.62â€“10 GHz Complex Dielectric Spectroscopy System in CMOS. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 3522-3537.	2.9	44
22	Miniaturized UWB Bandpass Filters With Notch Using Slow-Wave CPW Multiple-Mode Resonators. IEEE Microwave and Wireless Components Letters, 2011, 21, 80-82.	2.0	41
23	CMOS Distributed Amplifiers With Extended Flat Bandwidth and Improved Input Matching Using Gate Line With Coupled Inductors. IEEE Transactions on Microwave Theory and Techniques, 2009, 57, 2862-2871.	2.9	37
24	Integrated Systems for Biomedical Applications: Silicon-Based RF/Microwave Dielectric Spectroscopy and Sensing. IEEE Microwave Magazine, 2017, 18, 57-72.	0.7	36
25	Low-Loss Highly Linear Integrated Passive Phase Shifters for 5G Front Ends on Bulk CMOS. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 4563-4575.	2.9	36
26	A Miniaturized Microfluidically Reconfigurable Coplanar Waveguide Bandpass Filter With Maximum Power Handling of 10 Watts. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 2515-2525.	2.9	35
27	A Half-Mode Substrate-Integrated-Waveguide Tunable Filter Using Packaged RF MEMS Switches. IEEE Microwave and Wireless Components Letters, 2012, 22, 336-338.	2.0	34
28	A 1–8-GHz Miniaturized Spectroscopy System for Permittivity Detection and Mixture Characterization of Organic Chemicals. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 4157-4170.	2.9	32
29	Automatic Monitor-Based Tuning of an RF Silicon Photonic 1X4 Asymmetric Binary Tree True-Time-Delay Beamforming Network. Journal of Lightwave Technology, 2018, 36, 5263-5275.	2.7	32
30	A 1.7â€“2.2 GHz Compact Low Phase-Noise VCO Using a Widely-Tuned SIW Resonator. IEEE Microwave and Wireless Components Letters, 2014, 24, 622-624.	2.0	28
31	A Wide-Band Fully-Integrated CMOS Ring-Oscillator PLL-Based Complex Dielectric Spectroscopy System. IEEE Transactions on Circuits and Systems I: Regular Papers, 2015, 62, 1940-1949.	3.5	28
32	Automatic Monitor-Based Tuning of Reconfigurable Silicon Photonic APF-Based Pole/Zero Filters. Journal of Lightwave Technology, 2018, 36, 1899-1911.	2.7	27
33	A CMOS Spectrum Sensor Based on Quasi-Cyclostationary Feature Detection for Cognitive Radios. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 4098-4109.	2.9	26
34	A Low Phase-Noise Wide Tuning-Range Quadrature Oscillator Using a Transformer-Based Dual-Resonance Ring. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 1142-1153.	2.9	26
35	A Microfluidically Reconfigurable Dual-Band Slot Antenna With a Frequency Coverage Ratio of 3:1. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 122-125.	2.4	25
36	RF MEMS, BST, and GaAs varactor system-level response in complex modulation systems. International Journal of RF and Microwave Computer-Aided Engineering, 2008, 18, 86-98.	0.8	24

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37	Complex Permittivity Detection of Organic Chemicals and Mixtures Using a 0.5â€“3-GHz Miniaturized Spectroscopy System. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 4646-4659.	2.9	24
38	A Millimeter-Wave (24/31-GHz) Dual-Band Switchable Harmonic Receiver in 0.18-mum SiGe Process. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 2717-2730.	2.9	22
39	A 90-nm CMOS UWB Impulse Radio Transmitter With 30-dB In-Band Notch at IEEE 802.11a System. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 4220-4232.	2.9	21
40	A 20â€“32-GHz Wideband Mixer With 12-GHz IF bandwidth in 0.18-$mu{hbox {m}}$ SiGe Process. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 2731-2740.	2.9	20
41	A 2-GHz Highly Linear Efficient Dual-Mode BiCMOS Power Amplifier Using a Reconfigurable Matching Network. IEEE Journal of Solid-State Circuits, 2012, 47, 2385-2404.	3.5	19
42	A Fully On-Chip 80-pJ/b OOK Super-Regenerative Receiver With Sensitivity-Data Rate Tradeoff Capability. IEEE Journal of Solid-State Circuits, 2018, 53, 1443-1456.	3.5	19
43	A Wideband Low-Power LC-DCO-Based Complex Dielectric Spectroscopy System in 0.18- $mu ext{m}$ CMOS. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 4461-4474.	2.9	16
44	A Miniaturized Contactless UWB Microwave System for Time-Domain Dielectric Spectroscopy. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 5334-5344.	2.9	16
45	Power-Aware Multibandâ€“Multistandard CMOS Receiver System-Level Budgeting. IEEE Transactions on Circuits and Systems II: Express Briefs, 2009, 56, 570-574.	2.2	14
46	A CMOS Wideband Receiver Resilient to Out-of-Band Blockers Using Blocker Detection and Rejection. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 2340-2355.	2.9	13
47	Time-Domain Dielectric Spectroscopy Using a Miniaturized Contact-Based UWB System. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 5863-5872.	2.9	13
48	Spectrum Sensing: Analog (or Partially Analog) CMOS Real-Time Spectrum Sensing Techniques. IEEE Microwave Magazine, 2019, 20, 51-73.	0.7	10
49	A 3â€“10-GHz CMOS Time-Domain Complex Dielectric Spectroscopy System Using a Contactless Sensor. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 5202-5217.	2.9	9
50	A 22.2-43 GHz Gate-Drain Mutually Induced Feedback Low Noise Amplifier in 28-nm CMOS. , 2021, , .		9
51	Inductively-loaded RF MEMS reconfigurable filters. International Journal of RF and Microwave Computer-Aided Engineering, 2009, 19, 692-700.	0.8	8
52	A CMOS Real-Time Spectrum Sensor Based on Phasers for Cognitive Radios. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 1440-1451.	2.9	8
53	A 0.5-to-3.5-GHz Full-Duplex Mixer-First Receiver With Cartesian Synthesized Self-Interference Suppression Interface in 65-nm CMOS. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 1995-2010.	2.9	8
54	A Miniaturized UWB Microwave Dual-Comb Dielectric Spectroscopy System. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 5218-5227.	2.9	7

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55	Silicon Photonics for Microwave Applications: Programmable Filters and Beamformers. IEEE Microwave Magazine, 2020, 21, 20-42.	0.7	7
56	Time-Domain Ultrawideband Chipless RFID Readers. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10.	2.4	7
57	A 24 GHz Indirect VCO in 0.18 Â¿m CMOS Technology. , 2008, , .		6
58	A Miniaturized 3â€“10 GHz Time-Domain Contact-Based Dielectric Spectroscopy System. , 2018, , .		6
59	Broadband Dielectric Spectroscopy: Recent Developments in Microwave Time-Domain Techniques. IEEE Microwave Magazine, 2021, 22, 26-48.	0.7	6
60	A 0–900° low-loss miniaturized reflective-type CMOS phase shifter using Active inductors. , 2009, , .		5
61	A 2â€“1100 MHz wideband low noise amplifier with 1.43 dB minimum noise figure. , 2010, , .		5
62	A miniaturized switchable SIW-CBS antenna using positive and negative order resonances. , 2013, , .		5
63	A microfluidically-tuned dual-band slot antenna. , 2014, , .		5
64	A portable 12-lead ECG wireless medical system for continuous cardiac-activity monitoring. , 2014, , .		5
65	An ultra-miniature quarter-mode SIW bandpass filter operating at first negative order resonance. , 2015, , .		5
66	Reconfigurable quarter-mode SIW antenna employing a fluidically switchable via. , 2016, , .		5
67	A 3â€“10 GHz contact-less complex dielectric spectroscopy system. , 2017, , .		5
68	Miniaturized SIW-CBS Planar TX/RX Antenna Arrays For Microwave CW/FMCW Doppler Radars. , 2019, , .		5
69	External Modulator-Based Automatic Tuning of Reconfigurable Silicon Photonic 4th-Order APF-based Pole/Zero Filters. , 2021, , .		5
70	Reduced-size ultra-wideband true-time-delay beam-forming receivers. , 2011, , .		4
71	Design and implementation of a wireless medical system prototype for implantable applications. Analog Integrated Circuits and Signal Processing, 2015, 82, 99-111.	0.9	4
72	Automatic Monitor-Based Tuning of Reconfigurable Silicon Photonic 2nd-Order APF-Based Pole/Zero Filters. , 2017, , .		4

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73	A Low-Loss Microstrip Surface-Mount K-Band Package. , 2006, , .		3
74	Pole-Perturbation Theory for Nonlinear Noise Analysis of All-Pole RF MEMS Tunable Filters. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 2475-2489.	2.9	3
75	Low-power long-term implantable wireless telemetry for monitoring of physiological signals. , 2011, , .		3
76	A microfluidically-switched CPW folded slot antenna. , 2014, , .		3
77	A metamaterial-inspired miniaturized wide-band microwave interferometry sensor for liquid chemical detection. , 2016, , .		3
78	Interferer Rejection in Cognitive Radio Receiver Using Heterodyne Conversion and Active Feedback. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 3374-3388.	2.9	3
79	Automatic Monitor-Based Tuning of RF Silicon Photonic True-Time-Delay Beamforming Networks. , 2018, , .		3
80	A CMOS Time Domain Microwave Broadband Dielectric Spectroscopy System with a Contact-less Sensor for Liquid Chemical Detection. , 2019, , .		3
81	A Low-Loss Microstrip Surface-Mount K-Band Package. , 2006, , .		2
82	A review of frequency synthesizer-based microwave chemical sensors for dielectric detection of organic liquids. , 2013, , .		2
83	Adaptively-tunable RF photonic filters. , 2015, , .		2
84	A tunable quarter-mode substrate integrated waveguide antenna. , 2016, , .		2
85	Comprehensive adaptive tuning of silicon RF photonic filters. , 2016, , .		2
86	A UWB near-field contactless sensor for solid and liquid material characterization. , 2017, , .		2
87	A reconfigurable silicon photonic 4th-order filter for synthesizing butterworth, Chebyshev, and elliptic responses. , 2017, , .		2
88	A SIW Uniform Circular Antenna Array for 5G Applications Fed By a Radially-symmetric Eight-way SIW Power Divider. , 2019, , .		2
89	A 25â€“40 GHz Wideband Tunable Silicon Photonic Reconfigurable Receiver Front-End for mm-wave Channel Selection/Jammer Rejection. , 2021, , .		2
90	A systematic system level design methodology for dual band CMOS RF receivers. Midwest Symposium on Circuits and Systems, 2007, , .	1.0	1

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91	Effect of filter parameters on the phase noise of RF MEMS tunable filters employing shunt capacitive switches. International Journal of RF and Microwave Computer-Aided Engineering, 2010, 20, 114-121.	0.8	1
92	A miniaturized spectroscopy system for complex permittivity detection of organic mixtures in the 0.65–2 GHz frequency range. , 2013, , .		1
93	A fifth-order polynomial predistortion circuit for Mach-Zehnder modulator linearization in 65nm CMOS. , 2017, , .		1
94	A Miniaturized 3-10GHz Dual-Comb Spectroscopy System for Chemical Detection. , 2019, , .		1
95	A Frequency Selective Surface With Miniaturized Elements for Chemical Sensing. , 2019, , .		1
96	Ultra-wide Band Microwave Chemical Sensing with Time-domain Measurement Systems. , 2021, , .		1
97	Silicon Integrated Broadband Dual Frequency Comb-based Microwave Detector for Material Characterization. , 2022, , .		1
98	Automated Tuning for Silicon Photonic Filters. , 2022, , .		1
99	A K-band integrated bandpass filter in 90-nm CMOS technology. , 2011, , .		0