

# Tzyy-Sheng Jason Horng

## List of Publications by Year in descending order

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161  
papers

2,464  
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257101

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176  
all docs

176  
docs citations

176  
times ranked

1620  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Review on Recent Progress of Portable Short-Range Noncontact Microwave Radar Systems. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 1692-1706.	2.9	265
2	Dual Wideband Printed Monopole Antenna for WLAN/WiMAX Applications. IEEE Antennas and Wireless Propagation Letters, 2007, 6, 149-151.	2.4	229
3	Single-Antenna Doppler Radars Using Self and Mutual Injection Locking for Vital Sign Detection With Random Body Movement Cancellation. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 3577-3587.	2.9	145
4	A Novel Vital-Sign Sensor Based on a Self-Injection-Locked Oscillator. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 4112-4120.	2.9	106
5	Detection of Concealed Individuals Based on Their Vital Signs by Using a See-Through-Wall Imaging System With a Self-Injection-Locked Radar. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 696-704.	2.9	97
6	A rigorous study of microstrip crossovers and their possible improvements. IEEE Transactions on Microwave Theory and Techniques, 1994, 42, 1802-1806.	2.9	73
7	A new printed G-shaped monopole antenna for dual-band WLAN applications. Microwave and Optical Technology Letters, 2005, 45, 295-297.	0.9	55
8	Stepped-Frequency Continuous-Wave Radar With Self-Injection-Locking Technology for Monitoring Multiple Human Vital Signs. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 5396-5405.	2.9	51
9	High-Performance Frequency-Hopping Transmitters Using Two-Point Delta-Modulation. IEEE Transactions on Microwave Theory and Techniques, 2004, 52, 2529-2535.	2.9	48
10	A generalized method for distinguishing between radiation and surface-wave losses in microstrip discontinuities. IEEE Transactions on Microwave Theory and Techniques, 1990, 38, 1800-1807.	2.9	42
11	Phase- and Self-Injection-Locked Radar for Detecting Vital Signs with Efficient Elimination of DC Offsets and Null Points. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 685-695.	2.9	42
12	Two CMOS Dual-Feedback Common-Gate Low-Noise Amplifiers With Wideband Input and Noise Matching. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 3690-3699.	2.9	41
13	Full-wave spectral-domain analysis of compensation of microstrip discontinuities using triangular subdomain functions. IEEE Transactions on Microwave Theory and Techniques, 1992, 40, 2137-2147.	2.9	40
14	Single Self-Injection-Locked Radar With Two Antennas for Monitoring Vital Signs With Large Body Movement Cancellation. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 5324-5333.	2.9	40
15	A novel modified-T equivalent circuit for modeling LTCC embedded inductors with a large bandwidth. IEEE Transactions on Microwave Theory and Techniques, 2003, 51, 2327-2333.	2.9	37
16	Gesture Sensing Using Retransmitted Wireless Communication Signals Based on Doppler Radar Technology. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 4592-4602.	2.9	37
17	Review of Self-Injection-Locked Radar Systems for Noncontact Detection of Vital Signs. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2020, 4, 294-307.	2.3	37
18	Concurrent Vital Sign and Position Sensing of Multiple Individuals Using Self-Injection-Locked Tags and Injection-Locked I/Q Receivers With Arctangent Demodulation. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 4689-4699.	2.9	34

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19	A Rigorous Analysis of a Phase-Locked Oscillator Under Injection. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 1391-1400.	2.9	33
20	A Self- and Mutually Injection-Locked Radar System for Monitoring Vital Signs in Real Time With Random Body Movement Cancellation. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 4812-4822.	2.9	31
21	Chest-Worn Health Monitor Based on a Bistatic Self-Injection-Locked Radar. IEEE Transactions on Biomedical Engineering, 2015, 62, 2931-2940.	2.5	29
22	Transmitarray Design With Enhanced Aperture Efficiency Using Small Frequency Selective Surface Cells and Discrete Jones Matrix Analysis. IEEE Transactions on Antennas and Propagation, 2018, 66, 3983-3994.	3.1	28
23	VERY MINIATURE DUAL-BAND AND DUAL-MODE BANDPASS FILTER DESIGNS ON AN INTEGRATED PASSIVE DEVICE CHIP. Progress in Electromagnetics Research, 2011, 119, 461-476.	1.6	25
24	Monitoring Displacement by a Quadrature Self-Injection-Locked Radar With Measurement- and Differential-Based Offset Calibration Methods. IEEE Sensors Journal, 2019, 19, 1905-1916.	2.4	24
25	Highly Miniaturized Multiband Bandpass Filter Design Based on a Stacked Spiral Resonator Structure. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 1278-1286.	2.9	23
26	Synthesizing a Multiband LTCC Bandpass Filter With Specified Transmission- and Reflection-Zero Frequencies. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 3351-3361.	2.9	23
27	Optimum Design of Transformer-Type Marchand Balun Using Scalable Integrated Passive Device Technology. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2012, 2, 1370-1377.	1.4	22
28	S-parameter formulation of quality factor for a spiral inductor in generalized two-port configuration. IEEE Transactions on Microwave Theory and Techniques, 2003, 51, 2197-2202.	2.9	21
29	Modeling of lead-frame plastic CSPs for accurate prediction of their low-pass filter effects on RFICs. IEEE Transactions on Microwave Theory and Techniques, 2001, 49, 1538-1545.	2.9	20
30	High Average-Efficiency Multimode RF Transmitter Using a Hybrid Quadrature Polar Modulator. IEEE Transactions on Circuits and Systems II: Express Briefs, 2008, 55, 249-253.	2.2	20
31	A novel RF sensing circuit using injection locking and frequency demodulation for cognitive radio applications. , 2009, , .		19
32	Design and Linearization of Class-E Power Amplifier for Nonconstant Envelope Modulation. IEEE Transactions on Microwave Theory and Techniques, 2009, 57, 957-964.	2.9	19
33	Wrist Pulse Rate Monitor Using Self-Injection-Locked Radar Technology. Biosensors, 2016, 6, 54.	2.3	19
34	Noncontact Pulse Transit Time Measurement Using a Single-Frequency Continuous-Wave Radar. , 2018, , .		19
35	Complete methodology for electrical modeling of RFIC packages. IEEE Transactions on Advanced Packaging, 2001, 24, 542-547.	1.7	18
36	A Novel RF Sensing Circuit Using Injection Locking and Frequency Demodulation for Cognitive Radio Applications. IEEE Transactions on Microwave Theory and Techniques, 2009, 57, 3143-3152.	2.9	18

#	ARTICLE	IF	CITATIONS
37	Detection of vital signs for multiple subjects by using self-injection-locked radar and mutually injection-locked beam scanning array. , 2017, , .		18
38	An Injection- and Frequency-Locked Loop for Reducing Phase Noise of Wideband Oscillators. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 1374-1383.	2.9	18
39	Enhancement of Frequency Synthesizer Operating Range Using a Novel Frequency-Offset Technique for LTE-A and CR Applications. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 1215-1223.	2.9	17
40	Integrated Transformer-Coupled Balun Bandpass Filters With an Optimal Common-Mode Rejection Ratio. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2012, 2, 53-62.	1.4	16
41	Highly Linear Phase-Canceling Self-Injection-Locked Ultrasonic Radar for Non-Contact Monitoring of Respiration and Heartbeat. IEEE Transactions on Biomedical Circuits and Systems, 2020, 14, 75-90.	2.7	16
42	2-D Self-Injection-Locked Doppler Radar for Locating Multiple People and Monitoring Their Vital Signs. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 1016-1026.	2.9	16
43	Electrical performance improvements on RFICs using bump chip carrier packages as compared to standard thin shrink small outline packages. IEEE Transactions on Advanced Packaging, 2001, 24, 548-554.	1.7	15
44	Self-injection-locked radar: An advance in continuous-wave technology for emerging radar systems. , 2013, , .		15
45	Analysis and Improvement of Direct-Conversion Transmitter Pulling Effects in Constant Envelope Modulation Systems. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 4137-4146.	2.9	14
46	Multiple arbitrary shape via-hole and air-bridge transitions in multilayered structures. IEEE Transactions on Microwave Theory and Techniques, 1996, 44, 2504-2511.	2.9	13
47	Vertical interconnect measurement techniques based on double-sided probing system and short-open-load-reciprocal calibration. , 2011, , .		13
48	Scalable modeling and wideband measurement techniques for a signal TSV surrounded by multiple ground TSVs for RF/high-speed applications. , 2012, , .		13
49	Ultralow Phase Noise and Wideband CMOS VCO Using Symmetrical Body-Bias PMOS Varactors. IEEE Microwave and Wireless Components Letters, 2013, 23, 90-92.	2.0	13
50	A Rigorous Study of Package and PCB Effects on W-CDMA Upconverter RFICs. IEEE Transactions on Microwave Theory and Techniques, 2006, 54, 3793-3804.	2.9	12
51	Cognitive Polar Receiver Using Two Injection-Locked Oscillator Stages. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 3484-3493.	2.9	12
52	Quasi-coupled bandpass filter with sharp transition edge and wide stopband rejection. Electronics Letters, 2013, 49, 479-480.	0.5	12
53	Designing a Metasurface-based Tag Antenna for Wearable Vital Sign Sensors. , 2019, , .		12
54	Noncontact Vital Sign Sensing Under Nonperiodic Body Movement Using a Novel Frequency-Locked-Loop Radar. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 4762-4773.	2.9	11

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55	Wearable Vital Sign Sensor Using a Single-Input Multiple-Output Self-Injection-Locked Oscillator Tag. , 2018, , .		10
56	Direct-conversion quadrature modulator MMIC design with a new 90/spl deg/ phase shifter including package and PCB effects for W-CDMA applications. IEEE Transactions on Microwave Theory and Techniques, 2006, 54, 2691-2698.	2.9	9
57	Envelope Following-Based RF Transmitters Using Switching-Mode Power Amplifiers. IEEE Microwave and Wireless Components Letters, 2006, 16, 476-478.	2.0	9
58	Packaging effects on the figure of merit of a CMOS cascode low-noise amplifier: Flip-chip versus wire-bond. , 2009, , .		8
59	High efficiency dual-mode RF transmitter using envelope-tracking dual-band Class-E power amplifier for W-CDMA/WiMAX systems. , 2009, , .		8
60	Design of a Direct Conversion Transmitter to Resist Combined Effects of Power Amplifier Distortion and Local Oscillator Pulling. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 2000-2009.	2.9	8
61	Wideband Compact PI Equivalent Circuit for Modeling On-Chip Spiral Inductors. IEEE Microwave and Wireless Components Letters, 2012, 22, 26-28.	2.0	8
62	High-Gain and High-Efficiency EER/Polar Transmitters Using Injection-Locked Oscillators. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 4117-4128.	2.9	8
63	Low Power FSK Receiver Using an Oscillator-Based Injection-Locked Frequency Divider. IEEE Microwave and Wireless Components Letters, 2014, 24, 114-116.	2.0	8
64	Low-Noise and High-Linearity Wideband CMOS Receiver Front-End Stacked With Glass Integrated Passive Devices. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 1229-1238.	2.9	8
65	Human gesture sensor using ambient wireless signals based on passive radar technology. , 2015, , .		8
66	A single radar-based vital sign monitoring system with resistance to large body motion. , 2017, , .		8
67	An extrinsic-inductance independent approach for direct extraction of HBT intrinsic circuit parameters. IEEE Transactions on Microwave Theory and Techniques, 2001, 49, 2300-2305.	2.9	7
68	A novel EER transmitter using two-point delta-sigma modulation scheme for WLAN and 3G applications. , 0, , .		7
69	Radiation from a microstrip amplifier. IEEE Transactions on Microwave Theory and Techniques, 2002, 50, 2005-2010.	2.9	7
70	Optical beam induced current microscopy at DC and radio frequency. Optics Communications, 2002, 211, 39-45.	1.0	7
71	Design and Implementation of Embedded Miniature Bandpass Filters for RF-System-in-Organic-Package Applications. , 2007, , .		7
72	Packaging effects on a CMOS low-noise amplifier: Flip-chip versus wirebond. , 2009, , .		7

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73	Very Compact Stacked LC Resonator-Based Bandpass Filters With a Novel Approach to Tune the Transmission Zeros. IEEE Microwave and Wireless Components Letters, 2009, 19, 293-295.	2.0	7
74	Comparative modelling of differential through-silicon vias up to 40GHz. Electronics Letters, 2013, 49, 1483-1484.	0.5	7
75	Single Conversion Stepped-Frequency Continuous-Wave Radar Using Self-Injection-Locking Technology. , 2019, , .		7
76	COMPARATIVE MODELING OF SINGLE-ENDED THROUGH-SILICON VIAS IN GS AND GSG CONFIGURATIONS UP TO V-BAND FREQUENCIES. Progress in Electromagnetics Research, 2013, 143, 559-574.	1.6	7
77	Advanced measurement techniques for generation of SPICE models of RFIC packages. Electronics Letters, 1999, 35, 1945.	0.5	6
78	Design and modeling of planar transformer-based integrated passive devices for wireless applications. , 2009, , .		6
79	Compact bandpass filter using novel transformer-based coupled resonators on integrated passive device glass substrate. Microwave and Optical Technology Letters, 2012, 54, 257-262.	0.9	6
80	Compact bandpass filter using novel transformer-based coupled resonators on integrated passive device glass substrate. Microwave and Optical Technology Letters, 2012, 54, 3-7.	0.9	6
81	Wideband and scalable equivalent-circuit model for differential through silicon vias with measurement verification. , 2013, , .		6
82	Estimating the Reduction of Radiated Emissions From Microstrip Components Using Network Analyzer With a Bulk Current Injection Probe. IEEE Microwave and Wireless Components Letters, 2013, 23, 108-110.	2.0	6
83	Displacement monitoring system based on a quadrature self-injection-locked radar technology. , 2017, , .		6
84	Chest-Worn Self-Injection-Locked Oscillator Tag for Monitoring Heart Rate Variability. , 2020, , .		6
85	Chest-Worn Heart Rate Variability Monitor With a Self-Injection-Locked Oscillator Tag. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 2851-2860.	2.9	6
86	A Broadband Single-Stage Equivalent Circuit for Modeling LTCC Bandpass Filters. IEEE Transactions on Microwave Theory and Techniques, 2006, 54, 4412-4421.	2.9	5
87	Design and modeling of planar transformer-based silicon integrated passive devices for wireless applications. , 2009, , .		5
88	Ultralow Power Injection-Locked GFSK Receiver for Short-Range Wireless Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2012, 59, 706-710.	2.2	5
89	Low cost QFN package design for millimeter-wave applications. , 2012, , .		5
90	Hybrid Continuous-Wave and Self-Injection-Locking Monopulse Radar for Posture and Fall Detection. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 1686-1695.	2.9	5

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91	Accurate measurement of ground-ring inductance in ball grid array package. Electronics Letters, 1999, 35, 520.	0.5	4
92	Printed crisscross monopole antenna with a square conductor-backed parasitic plane for dual-band WLAN applications. Microwave and Optical Technology Letters, 2005, 46, 541-543.	0.9	4
93	Design of Miniature Bandpass Filters on an Organic Laminate Substrate Using a Modified T Prototype. , 2008, , .		4
94	Diagnosis of EMI to laptop WWAN device from TFT-LCD driver using non-contact measurement-based transfer function technique. , 2010, , .		4
95	Prediction of common-mode radiated emission from PCB using vector network analyzer with a bulk injection current probe. Journal of Electromagnetic Waves and Applications, 2012, 26, 2121-2129.	1.0	4
96	Capacitive-coupled resonator-based bandpass filter with controllable multiple transmission zeros at stopband. Microwave and Optical Technology Letters, 2013, 55, 1563-1565.	0.9	4
97	Vital-sign detection based on a passive WiFi radar. , 2015, , .		4
98	Chest-worn health monitor based on a bistatic self-injection-locked radar. , 2015, , .		4
99	A low-noise CMOS frequency synthesizer with an ultra-short settling time. , 2016, , .		4
100	Same side dual SIL-radar system for real-time vital sign monitoring with random body movement cancellation. , 2016, , .		4
101	Finger Gesture Sensing and Recognition Using a Wi-Fi-based Passive Radar. , 2019, , .		4
102	Enhancement of Vital-Sign Sensor Signal-to-Noise Ratio Using Wireless Frequency-Locked Loop. , 2019, , .		4
103	A Wireless-Frequency-Locked-Loop-Based Vital Sign Sensor With Quadrature Tracking and Phase-Noise Reduction Capability. IEEE Sensors Journal, 2021, 21, 9706-9715.	2.4	4
104	Multiple arbitrary shape via-hole and air-bridge transitions in multilayered structures. , 0, , .		3
105	Electrical modelling of enhanced ball grid array packages using coupled transmission lines. Electronics Letters, 1999, 35, 1567.	0.5	3
106	Conducted susceptibility diagnosis of vehicle electronic module using correlation between mixed-mode S-parameter measurement and bulk current injection test. , 2009, , .		3
107	A rigorous analysis of local oscillator pulling in frequency and discrete-time domain. , 2009, , .		3
108	Direct-conversion transmitter with resistance to local oscillator pulling in non-constant envelope modulation systems. , 2011, , .		3

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109	Scalable modeling of Through Silicon Vias up to millimeter-wave frequency. , 2012, , .		3
110	Kahn envelope elimination and restoration technique using injection-locked oscillators. , 2012, , .		3
111	Highly sensitive and low power injection-locked FSK receiver for short-range wireless applications. , 2012, , .		3
112	Comparative modeling study of single-ended through-silicon via between the G-S and G-S-G configuration. , 2013, , .		3
113	Spatially-resolved near-field diagnosis of differential signaling performance for wireless device RFI/EMC applications. , 2015, , .		3
114	Human Tracking and Vital Sign Monitoring with a Switched Phased-Array Self-Injection-Locked Radar. , 2020, , .		3
115	Linear interpolation scheme for compensation of path delay difference in an envelope elimination and restoration transmitter. , 0, , .		2
116	Design and linearization of Class-E power amplifier for non-constant envelope modulation. , 2008, , .		2
117	Hybrid quadrature polar modulator-based transmitter with digital predistorter for simultaneous enhancement of adjacent channel power ratios and power added efficiency (PAE). IET Microwaves, Antennas and Propagation, 2008, 2, 801-812.	0.7	2
118	A novel compact dual-band bandpass filter using spiral-shaped microstrip resonators. Microwave and Optical Technology Letters, 2010, 52, 543-547.	0.9	2
119	Very compact transformer-coupled balun-integrated bandpass filter using integrated passive device technology on glass substrate. , 2010, , .		2
120	Integrated balun bandpass filter design with an optimal common mode rejection ratio. , 2011, , .		2
121	Vital-sign detection Doppler radar based on phase locked self- injection oscillator. , 2012, , .		2
122	Highly flexible and miniaturized triple-band bandpass filter design using coupled stacked spiral resonators. , 2012, , .		2
123	Design of Compact Bandpass Filter with Controllable Multiple Transmission Zeros using The Second-Order Inductive-Coupled Resonator. Microwave and Optical Technology Letters, 2013, 55, 2155-2157.	0.9	2
124	ESTIMATING RADIATED EMISSION REDUCTION FROM PRINTED CIRCUIT BOARD USING VECTOR NETWORK ANALYZER WITH A BULK CURRENT INJECTION PROBE. Progress in Electromagnetics Research, 2013, 135, 1-16.	1.6	2
125	A hybrid computer vision and Wi-Fi Doppler radar system for capturing the 3-D hand gesture trajectory with a smartphone. , 2017, , .		2
126	Noncontact Vital Sign Sensor Using Self-Injection-Locked (SIL) Technology and Frequency-to-Power Converter (FPC). , 2021, , .		2



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127	The effects of path-delay mismatch on GFSK transmitters with a dual-port architecture. , 0, , .		1
128	Miniaturized dielectric chip antenna in a C-shaped configuration with an array of shorting pins. , 0, , .		1
129	Q-Factor Behavior Study of On-Chip Inductors Using Transmission-Line Model. , 2007, , .		1
130	High-performance Marchand-type balun design and fabrication using an integrated passives device (IPD) technology. , 2008, , .		1
131	Power amplifier linearization using baseband digital predistortion for WiMAX applications. , 2008, , .		1
132	Generalized efficiency measure for an Above-IC multifilar transformer applied to multiport integrated passive devices. , 2010, , .		1
133	Design and analysis of spiralâ€type Marchand balun using physical transformer model on glass integrated passive device substrate. Microwave and Optical Technology Letters, 2011, 53, 2011-2016.	0.9	1
134	In-plane/out-of-plane mixed probe techniques to obtain the RF characteristics of SMA connectors. , 2011, , .		1
135	Novel formulation of efficiency measure for multifilar transformers in generalized multiport configurations of integrated passive devices. Microwave and Optical Technology Letters, 2012, 54, 656-661.	0.9	1
136	Design of compact BPF with controllable multiple transmission zeros for WIMAX applications. , 2013, , .		1
137	Prediction of radiated emissions from microstrip components for RF/microwave circuits using measurement of common-mode current. Journal of Electromagnetic Waves and Applications, 2013, 27, 2355-2365.	1.0	1
138	ESTIMATING THE REDUCTION OF RADIATED EMISSIONS FROM TFT-LCD PANEL USING NETWORK ANALYZER WITH A BULK CURRENT INJECTION PROBE. Progress in Electromagnetics Research, 2013, 140, 181-197.	1.6	1
139	Fast prototypeâ€based design approach to highly miniaturized LTCC BPFS for WLAN/WIMAX dualâ€mode applications. Microwave and Optical Technology Letters, 2014, 56, 8-11.	0.9	1
140	Reducing electrochemical exfoliated graphene defects by changing the insert voltage and electrolyte composition. , 2016, , .		1
141	GHz High Frequency TSV for 2.5D IC Packaging. International Symposium on Microelectronics, 2012, 2012, 001215-001220.	0.3	1
142	Switch-based Self-injection-locked Radar with Data Fusion Algorithm. , 2021, , .		1
143	An efficient current expansion technique in full-wave modeling of microstrip discontinuities of arbitrary shape. , 0, , .		0
144	A unified method for characterization of microstrip and waveguide discontinuities of irregular shape. , 0, , .		0

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145	A Wideband Modulated Frequency Synthesizer for Enhanced Bluetooth Applications. , 0, , .		0
146	A HQPM-Based Transmitter with Baseband Predistorter for Simultaneous Enhancement of ACPR and PAE. , 2007, , .		0
147	Study of Q-factor behavior of microwave integrated inductors using a lossy dispersive transmission-line model. , 2007, , .		0
148	Design of class-E power amplifier for hybrid quadrature polar modulation transmitter. , 2007, , .		0
149	A novel compact LC resonator-based bandpass filter design with tunable transmission zeros. , 2008, , .		0
150	Design of dual-band bandpass filter using compact spiral-shaped microstrip resonators. , 2008, , .		0
151	Conducted susceptibility diagnosis of vehicle electronic circuit using mixed-mode S-parameter method. , 2008, , .		0
152	Design and implementation of spiral-type Marchand Balun using glass-based IPD technology. , 2008, , .		0
153	Electromagnetic radiation and conducted susceptibility diagnosis and analysis of vehicle electronic circuit using mixed-mode S-parameter method. , 2009, , .		0
154	Miniaturized bandpass filter design using LC resonators on an organic substrate. Microwave and Optical Technology Letters, 2010, 52, 547-551.	0.9	0
155	A CMOS spectrum sensor using injection locking of two voltage-controlled oscillators for cognitive radio system. , 2011, , .		0
156	Wireless polar receiver using two injection-locked oscillator stages for green radios. , 2011, , .		0
157	Effects of 3D via and die attach on power integrity of a packaged IC. , 2012, , .		0
158	Design of second-order capacitive-coupled resonator-based bandpass filter with controllable multiple transmission zeros. , 2012, , .		0
159	High efficiency dual-band Class-E power amplifier design. , 2012, , .		0
160	Analytical modeling of vertical interconnect in single-ended applications. , 2015, , .		0
161	Electrophoretic deposition of graphene growth in a nonconductive substrate. , 2016, , .		0