Viktor Krozer

List of Publications by Year
in descending order

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356	4,977	172207	123241
papers	citations	29 h-index	61 g-index

359	359	359	4179
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Analysis andÂCompensation ofÂRelative Humidity andÂIce Formation Effects forÂRadar-Based SHM Systems Embedded inÂWind Turbine Blades. Lecture Notes in Civil Engineering, 2023, , 772-781.	0.3	0
2	Magnetron co-sputtered Î¼m-thick Moâ€“Cu films as structural material with low heat extension for key parts of high-power millimeter-band vacuum microelectronic devices. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2022, 40, .	0.6	5
3	Package-PCB Near-Field Antenna Co-Design for K-Band Radar-based Breast Cancer Detection. , 2022, , .		2
4	A D-Band Power Amplifier with 12dBm P1dB, 10% Power Added Efficiency in InP-DHBT Technology. , 2022, , .		1
5	A 100 GHz Class-F-Like InP-DHBT PA with 25.4% PAE. , 2022, , .		0
6	Temperature dependence studies of tissue-mimicking phantoms for ultra-wideband microwave breast tumor detection. Biomedical Physics and Engineering Express, 2022, 8, 055017.	0.6	3
7	A Modular MIMO Millimeter-Wave Imaging Radar System for Space Applications and Its Components. Journal of Infrared, Millimeter, and Terahertz Waves, 2021, 42, 275-324.	1.2	5
8	Broadband Sensing Around 1 THz Via a Novel Biquad-Antenna-Coupled Low-NEP Detector in CMOS. IEEE Transactions on Terahertz Science and Technology, 2021, 11, 16-27.	2.0	12
9	A 119 GHz Bandwidth Distributed Amplifier with a Â±2 ps Group Delay Variation. , 2021, , .		0
10	Ultraâ€wideband onâ€body elliptical monopole antenna. Electronics Letters, 2021, 57, 200-202.	0.5	5
11	Development of microfabricated planar slow-wave structures on dielectric substrates for miniaturized millimeter-band traveling-wave tubes. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2021, 39, .	0.6	21
12	Elliptical monopole antenna design for the early breast cancer imaging at high frequencies. , 2021, , .		2
13	Experimental results on the influence of temperature and humidity on FMCW radar signals at 60 GHz. , 2021, , .		3
14	Radar-based Detection of Birds at Wind Turbines: Numerical Analysis for Optimum Coverage. , 2021, , .		2
15	Toward the first D-band Point to multipoint wireless system field test. , 2021, , .		0
16	A Highly Linear Dual-Stage Amplifier With Beyond 1.75-THz Gainâ€“Bandwidth Product. IEEE Microwave and Wireless Components Letters, 2021, 31, 717-720.	2.0	3
17	Radarâ€based monitoring of glass fiber reinforced composites during fatigue testing. Structural Control and Health Monitoring, 2021, 28, e2812.	1.9	6
18	Clinical assessment of W-band spectroscopy for non-invasive detection and monitoring of sustained hyperglycemia. Biomedical Optics Express, 2021, 12, 5008.	1.5	2

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19	Guided Electromagnetic Waves for Damage Localization in a Structural Health Monitoring Framework. Lecture Notes in Civil Engineering, 2021, , 185-192.	0.3	1
20	A study of amplitudeâ€toâ€phase noise conversion in planar oscillators. International Journal of Circuit Theory and Applications, 2021, 49, 1-17.	1.3	2
21	Studies on a Microfabricated Traveling-Wave Tube With Planar Microstrip Slow-Wave Structure. , 2021, , .		2
22	Compact 12Ã—12-Pixel THz Camera using AlGaN/GaN HEMT Technology Operating at Room Temperature. , 2021, , .		0
23	An Efficient 400 GHz Active Multiplier-Based Signal Source for Terahertz Applications. , 2021, , .		0
24	High Conversion Gain Up-Converter with +5 dBm OP1dB in InP DHBT Technology for Ultra Capacity Wireless Applications. , 2021, , .		1
25	Magnetron Sputtering Formation of Molybdenum-Copper Alloys for Fabrication of Millimeter-Band Planar Slow Wave Structures. , 2021, , .		2
26	High Frequency Breast Imaging: Experimental Analysis of Tissue Phantoms. IEEE Open Journal of Antennas and Propagation, 2021, 2, 1098-1107.	2.5	9
27	Design of a TWT Collector Integrable on the same Substrate of a Planar Slow Wave Structure. , 2021, , .		1
28	Breast Cancer Imaging using a 24 GHz Ultra-Wideband MIMO FMCW Radar: System Considerations and First Imaging Results. , 2020, , .		10
29	A Numerical Study on Tomographic Imaging Using Guided Electromagnetic Waves. , 2020, , .		4
30	Passive Detection and Imaging of Human Body Radiation Using an Uncooled Field-Effect Transistor-Based THz Detector. Sensors, 2020, 20, 4087.	2.1	27
31	Development of Miniaturized Traveling-Wave Tubes With Planar Microstrip Slow-Wave Structures on Dielectric Substrates. , 2020, , .		3
32	Design and Realization of a Band Pass Filter at D-band Using Gap Waveguide Technology. Journal of Infrared, Millimeter, and Terahertz Waves, 2020, 41, 1469-1477.	1.2	5
33	Hyperspectral terahertz imaging with electro-optic dual combs and a FET-based detector. Scientific Reports, 2020, 10, 14429.	1.6	19
34	Experimental Results on Rain Detection at Ka-Band based on Range-Doppler Signal Processing. , 2020, , .		1
35	A High-Isolation and Highly Linear Super-Wideband SPDT Switch in InP DHBT Technology. , 2020, , .		3
36	Simulation of an Integrated UTC-Photodiode with a High-Speed TIA for 5G mm-Wave Generation. , 2020, , .		5

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37	High Output Power Ultra-Wideband Distributed Amplifier in InP DHBT Technology Using Diamond Heat Spreader. , 2020, , .		2
38	Technology, Assembly, and Test of a W-Band Traveling Wave Tube for New 5G High-Capacity Networks. IEEE Transactions on Electron Devices, 2020, 67, 2919-2924.	1.6	27
39	Rangeâ€“Doppler Analysis for Rain Detection at Ka-Band: Numerical and Experimental Results From Laboratory and Field Measurements. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 1027-1033.	2.3	3
40	Improved Sidelobe-Suppression Microstrip Patch Antenna Array by Uniform Feeding Networks. IEEE Transactions on Antennas and Propagation, 2020, 68, 7339-7347.	3.1	19
41	Advanced Statistical Techniques for Noninvasive Hyperglycemic States Detection in Mice Using Millimeter-Wave Spectroscopy. IEEE Transactions on Terahertz Science and Technology, 2020, 10, 237-245.	2.0	7
42	Highly linear fundamental upâ€converter in InP DHBT technology for Wâ€band applications. Microwave and Optical Technology Letters, 2020, 62, 2513-2517.	0.9	1
43	Numerical and experimental analysis of a transmission-based breast imaging system: a study of application to patients. International Journal of Microwave and Wireless Technologies, 2020, 12, 469-476.	1.5	7
44	Field-Effect Transistor-Based Detector for Hyperspectral THz Imaging. , 2020, , .		3
45	Advancement in high capacity wireless distribution above 140 GHz. , 2020, , .		1
46	Hyperspectral Imaging using a THz dual-comb source. , 2020, , .		0
47	Towards radar barriers for animal fatality detection at wind turbines: numerical and preliminary experimental results. IET Radar, Sonar and Navigation, 2020, 14, 1767-1772.	0.9	4
48	Development of a millimeter-band traveling-wave tube with a meander-line microstrip slow wave structure. , 2020, , .		2
49	Radar-based Detection of Birds at Wind Turbine Installations: Results from a Field Study. , 2020, , .		3
50	Studies on Millimeter-band Low-Voltage Traveling-Wave Tubes with Planar Meander-Line Slow-Wave Structures. , 2020, , .		0
51	Comparison of Photoconductive Antenna, TeraFET and Schottky Barrier Diode as Detectors for Continuous-Wave Terahertz. , 2020, , .		2
52	Substrate-illuminated THz Antenna-coupled Detectors in CMOS: Analytical and Experimental Comparison of Various Designs. , 2020, , .		0
53	Optical Performance of Liquid Nitrogen Cooled Transistor-Based THz Detectors. , 2020, , .		0
54	Completely Passive Room-Temperature Imaging of Human Body Radiation Below 1 THz with Field-Effect Transistors. , 2020, , .		0

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55	Early, Non-Invasive Sensing of Sustained Hyperglycemia in Mice Using Millimeter-Wave Spectroscopy. Sensors, 2019, 19, 3347.	2.1	3
56	Technology for D-band/G-band ultra capacity layer. , 2019, , .		9
57	Allâ€Dielectric Silicon Metasurface with Strong Subterahertz Toroidal Dipole Resonance. Advanced Optical Materials, 2019, 7, 1900777.	3.6	32
58	Fabrication and measurements of a planar slow wave structure operating in V-band. , 2019, , .		6
59	A 175 GHz Bandwidth High Linearity Distributed Amplifier in 500 nm InP DHBT Technology. , 2019, , .		15
60	Highly linear 90-170 GHz SPDT Switch with High Isolation for Fully Integrated InP Transceivers. , 2019, , .		9
61	A High-Sensitivity AlGaN/GaN HEMT Terahertz Detector With Integrated Broadband Bow-Tie Antenna. IEEE Transactions on Terahertz Science and Technology, 2019, 9, 430-444.	2.0	90
62	Design and modeling of an ultra-wideband low-noise distributed amplifier in InP DHBT technology. International Journal of Microwave and Wireless Technologies, 2019, 11, 635-644.	1.5	1
63	Millimeter wave spectroscopy system for blood coagulation measurements. , 2019, , .		0
64	Design and Numerical Analysis of a Ka-Band Patch Antenna for Structural Health Monitoring Applications. , 2019, , .		0
65	Terahertz emission from biased AlGaN/GaN high-electron-mobility transistors. Journal of Applied Physics, 2019, 125, 151614.	1.1	9
66	NiCr resistors for terahertz applications in an InP DHBT process. Microelectronic Engineering, 2019, 208, 1-6.	1.1	4
67	A 300 GHz Active Frequency Tripler in Transferred-Substrate InP DHBT Technology. , 2019, , .		3
68	A 0.5 THz Signal Source with -11 dBm Peak Output Power Based on InP DHBT. , 2019, , .		1
69	A 0.5 THz Signal Source with -11 dBm Peak Output Power Based on InP DHBT. , 2019, , .		2
70	Sub-THz components for high capacity point to multipoint wireless networks. , 2019, , .		3
71	A 240 GHz Active Multiplier-Based Signal Source for Millimeter-Wave/Terahertz Applications. , 2019, , .		1
72	Polarization and sectioning characteristic of THz confocal microscopy. , 2019, , .		0

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73	Microfabrication and Study of Planar Slow-Wave Structures for LowVoltage V-band and W-band Vacuum Tubes. , 2019, , .		1
74	Performance Analysis of a Low-Noise, Highly Linear Distributed Amplifier in 500-nm InP/InGaAs DHBT Technology. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 5139-5147.	2.9	10
75	All-Dielectric Metasurfaces with Toroidal Multipole Resonances at sub-THz. , 2019, , .		0
76	TeraFET multi-pixel THz array for a confocal imaging system. , 2019, , .		4
77	Surface Acoustic Wave-Based Microfluidic Coagulation Device for Monitoring Anticoagulant Therapy. Seminars in Thrombosis and Hemostasis, 2019, 45, 253-258.	1.5	11
78	Correction to â€œBroadband Terahertz Power Detectors Based on 90-nm Silicon CMOS Transistors With Flat Responsivity Up to 2.2 THzâ€•[Sep 18 1413-1416]. IEEE Electron Device Letters, 2019, 40, 354-354.	2.2	0
79	Terahertz quantitative metrology using 300 GHz in-line digital holography. , 2019, , .		0
80	Efficient active multiplierâ€based signal source for >300ÂGHz system applications. Electronics Letters, 2019, 55, 1220-1221.	0.5	2
81	Motion sensing of a wind turbine prototype using a bistatic FMCW Doppler radar sensor. , 2018, , .		9
82	Radarâ€based structural health monitoring of wind turbine blades: The case of damage localization. Wind Energy, 2018, 21, 676-680.	1.9	16
83	Prototype system for microwave breast imaging: Experimental results from tissue phantoms. , 2018, , .		3
84	Field-effect transistors as electrically controllable nonlinear rectifiers for the characterization of terahertz pulses. APL Photonics, 2018, 3, .	3.0	21
85	Radar-based structural health monitoring of wind turbine blades: The case of damage detection. Structural Health Monitoring, 2018, 17, 815-822.	4.3	47
86	Imaging and Spectroscopic Sensing with Low-Repetition-Rate Terahertz Pulses and GaN TeraFET Detectors. Journal of Infrared, Millimeter, and Terahertz Waves, 2018, 39, 262-272.	1.2	10
87	Transmisson Hub and Terminals for Point to Multipoint W-Band Tweether System. , 2018, , .		8
88	Parallel architecture of a sine waveguide traveling wave tube amplifier. , 2018, , .		4
89	RADAR IMAGING SYSTEM FOR IN-SERVICE WIND TURBINE BLADES INSPECTIONS: INITIAL RESULTS FROM A FIELD INSTALLATION AT A 2 MW WIND TURBINE. Progress in Electromagnetics Research, 2018, 162, 51-60.	1.6	19
90	Replicability of a Millimeter-Wave Microstrip Bandpass Filter using Parallel Coupled Lines. , 2018, , .		2

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91	An Ultra-broadband Low-Noise Distributed Amplifier in InP DHBT Technology. , 2018, , .		1
92	Highly Efficient D-Band Fundamental Frequency Source Based on InP-DHBT Technology. , 2018, , .		3
93	An Ultra-Broadband Low-Noise Distributed Amplifier in InP DHBT Technology. , 2018, , .		9
94	Multistatic Radar for Continuous Wind Turbine Blades Inspection: Results from a Field Study. , 2018, , .		0
95	Ultrabroadband Terahertz Detectors Based on CMOS Field-Effect Transistors with Integrated Antennas. , 2018, , .		1
96	Field-Effect Transistor Based Detectors for Power Monitoring of THz Quantum Cascade Lasers. IEEE Transactions on Terahertz Science and Technology, 2018, 8, 613-621.	2.0	30
97	Non-invasive Detection and Monitoring of Sustained Glycemic Fluctuations using Mm-Wave Spectroscopy. , 2018, , .		0
98	A Hetero-Integrated W-Band Transmitter Module in InP-on-BiCMOS Technology. , 2018, , .		3
99	20 GHz Clock Frequency ROM-Less Direct Digital Synthesizer Comprising Unique Phase Control Unit in 0.25 Î¼m SiGe Technology. , 2018, , .		4
100	220â€“325ÂGHz highâ€isolation SPDT switch in InP DHBT technology. Electronics Letters, 2018, 54, 1222-1224.	0.5	10
101	A Highly Efficient Ultrawideband Traveling-Wave Amplifier in InP DHBT Technology. IEEE Microwave and Wireless Components Letters, 2018, 28, 1029-1031.	2.0	16
102	Sub-picosecond pulsed THz FET detector characterization in plasmonic detection regime based on autocorrelation technique. Semiconductor Science and Technology, 2018, 33, 124013.	1.0	14
103	Comparison of X-ray-Mammography and Planar UWB Microwave Imaging of the Breast: First Results from a Patient Study. Diagnostics, 2018, 8, 54.	1.3	23
104	An Active High Conversion Gain W-Band Up-Converting Mixer for Space Applications. , 2018, , .		2
105	Broadband Terahertz Power Detectors Based on 90-nm Silicon CMOS Transistors With Flat Responsivity Up to 2.2 THz. IEEE Electron Device Letters, 2018, 39, 1413-1416.	2.2	67
106	W-band TWT for high capacity transmission hub for small cells backhaul. , 2018, , .		2
107	Folded waveguide traveling wave tube in a parallel configuration with a single electron beam. , 2018, , .		0
108	Toward 100 Gbps wireless networks enabled by millimeter wave Traveling Wave Tubes. , 2018, , .		1

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109	Millimeter-wave imaging radar system design based on detailed system radar simulation tool. , 2018, , .		3
110	Quasi optical THz detectors in Si CMOS. , 2018, , .		2
111	Transferred-Substrate InP/GaAsSb Heterojunction Bipolar Transistor Technology With <inline-formula> <tex-math notation="LaTeX">${f}_{ext{max}}$ </tex-math> </inline-formula> ~ 0.53 THz. IEEE Transactions on Electron Devices, 2018, 65, 3704-3710.	1.6	17
112	A 95 GHz bandwidth 12 dBm output power distributed amplifier in InP-DHBT technology for optoelectronic applications. , 2018, , .		2
113	EM simulation assisted parameter extraction for transferred-substrate InP HBT modeling. International Journal of Microwave and Wireless Technologies, 2018, 10, 700-708.	1.5	12
114	Flip-Chip Approach for 500 GHz Broadband Interconnects. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 1215-1225.	2.9	18
115	Manufacturable Low-Cost Flip-Chip Mounting Technology for 300â€“500-GHz Assemblies. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2017, 7, 494-501.	1.4	12
116	Tight Focus Toward the Future: Tight Material Combination for Millimeter-Wave RF Power Applications: InP HBT SiGe BiCMOS Heterogeneous Wafer-Level Integration. IEEE Microwave Magazine, 2017, 18, 74-82.	0.7	17
117	Quality control of carbon-rubber tissue phantoms: Comparative MRI, CT, X-ray and UWB microwave measurements. , 2017, , .		7
118	Activity monitoring of bats in a laboratory flight tunnel using a 24 GHz FMCW radar system. , 2017, , .		2
119	An efficient W-band InP DHBT digital power amplifier. International Journal of Microwave and Wireless Technologies, 2017, 9, 1241-1249.	1.5	2
120	The 2017 terahertz science and technology roadmap. Journal Physics D: Applied Physics, 2017, 50, 043001.	1.3	1,160
121	W -Band Traveling Wave Tube Amplifier Based on Planar Slow Wave Structure. IEEE Electron Device Letters, 2017, 38, 126-129.	2.2	52
122	Performance study of a 248 GHz voltage controlled hetero-integrated source in InP-on-BiCMOS technology. International Journal of Microwave and Wireless Technologies, 2017, 9, 259-268.	1.5	3
123	TWEETHER future generation W-band backhaul and access network technology. , 2017, , .		6
124	Design of a sparse antenna array for radarâ€based structural health monitoring of wind turbine blades. IET Radar, Sonar and Navigation, 2017, 11, 1259-1265.	0.9	11
125	Thermal noise-limited sensitivity of FET-based terahertz detectors. , 2017, , .		11
126	Classification of skin phenotypes caused by diabetes mellitus using complex scattering parameters in the millimeter-wave frequency range. Scientific Reports, 2017, 7, 5822.	1.6	6

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127	Numerical analysis of stochastic resonance in a bistable circuit. International Journal of Circuit Theory and Applications, 2017, 45, 625-635.	1.3	8
128	Investigation of a planar metamaterial slow wave structure for traveling wave tube applications. , 2017, , .		1
129	An active balanced up-converter module in InP-on-BiCMOS technology. , 2017, , .		5
130	Determination of hyperglycemic states in mice using millimeter-wave sensing. , 2017, , .		0
131	Use of functional principal components analysis in CW subTHz spectroscopy for hydrocarbon emulsified water assessment. , 2017, , .		0
132	Planar slow wave structures for millimeter-wave vacuum electron devices. , 2017, , .		0
133	Panel design of a MIMO imaging radar at W-band for space applications. , 2017, , .		7
134	Monitoring the evolution of hyperglycemia in mice using mm-wave spectroscopy. , 2017, , .		0
135	EM simulation assisted parameter extraction for the modeling of transferred-substrate InP HBTs. , 2017, , .		7
136	Fabrication of W-band TWT for 5G small cells backhaul. , 2017, , .		10
137	Optimization of the Design of Terahertz Detectors Based on Si CMOS and AlGaN/GaN Field-Effect Transistors. , 2017, , .		0
138	TWEETHER project for W-band wireless networks. , 2016, , .		4
139	Real-time detection of the THz pulses from a THz OPO using AlGaN/GaN TeraFETs. , 2016, , .		0
140	An efficient W-band InP DHBT digital power amplifier. , 2016, , .		2
141	Balanced G-band Gm-boosted frequency doublers in transferred substrate InP HBT technology. , 2016, , .		1
142	A traveling wave tube for 92â€“95 GHz band wireless applications. , 2016, , .		8
143	Optimization of the Design of Terahertz Detectors Based on Si CMOS and AlGaN/GaN Field-Effect Transistors. International Journal of High Speed Electronics and Systems, 2016, 25, 1640013.	0.3	12
144	A 315 GHz reflection-type push-push oscillator in InP-DHBT technology. , 2016, , .		5

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145	A 100 GHz fundamental oscillator with 25% efficiency based on transferred-substrate InP-DHBT technology. , 2016, , .		0
146	Radar-based detection of birds near wind energy plants: First experiences from a field study. , 2016, , .		3
147	Multifinger Indium Phosphide Double-Heterostructure Transistor Circuit Technology With Integrated Diamond Heat Sink Layer. IEEE Transactions on Electron Devices, 2016, 63, 1846-1852.	1.6	15
148	Millimeter wave wireless system based on point to multipoint transmissions. , 2016, , .		9
149	A 200 mW InP DHBT W-band power amplifier in transferred-substrate technology with integrated diamond heat spreader. , 2016, , .		3
150	Random bounce algorithm: real-time image processing for the detection of bats and birds. Signal, Image and Video Processing, 2016, 10, 1449-1456.	1.7	7
151	A 330 GHz active frequency quadrupler in InP DHBT transferred-substrate technology. , 2016, , .		8
152	In-vivo, non-invasive detection of hyperglycemic states in animal models using mm-wave spectroscopy. Scientific Reports, 2016, 6, 34035.	1.6	20
153	W-band TWTs for new generation high capacity wireless networks. , 2016, , .		10
154	Terahertz emission from large AlGaN/GaN field-effect transistors. , 2016, , .		0
155	Towards thermal differential imaging for ultra-wideband microwave breast cancer detection. , 2016, , .		1
156	Radar-based detection of bats: Experiments in a laboratory flight tunnel. , 2016, , .		1
157	SciFab -a wafer-level heterointegrated InP DHBT/SiGe BiCMOS foundry process for mm-wave applications. Physica Status Solidi (A) Applications and Materials Science, 2016, 213, 909-916.	0.8	36
158	Experimental phantom for contrast enhanced microwave breast cancer detection based on 3D-printing technology. , 2016, , .		5
159	Sensor structure concepts for the analysis or local radiation exposure of biological samples at terahertz and millimeter wave frequencies. Proceedings of SPIE, 2016, , .	0.8	0
160	A G-Band High Power Frequency Doubler in Transferred-Substrate InP HBT Technology. IEEE Microwave and Wireless Components Letters, 2016, 26, 49-51.	2.0	13
161	0.25- GaN TeraFETs Optimized as THz Power Detectors and Intensity-Gradient Sensors. IEEE Transactions on Terahertz Science and Technology, 2016, 6, 348-350.	2.0	37
162	Micro-optical prototyping of a surface acoustic wave-based point-of-care coagulation assay and first application in anticoagulated patients. International Journal of Clinical Pharmacology and Therapeutics, 2016, 54, 177-184.	0.3	8

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163	A 250 GHz hetero-integrated VCO with 0.7 mW output power in InP-on-BiCMOS technology. , 2015, , .		1
164	A Compressed Sensing Formulation based on I/Q-dictionary: Experimental case study at millimeter-wave frequencies. , 2015, , .		0
165	G-band frequency doubler based on InP transferred-substrate technology. , 2015, , .		1
166	An efficient 290 GHz harmonic oscillator in transferred-substrate InP-DHBT technology. , 2015, , .		1
167	Flip-Chip Interconnects for 250 GHz Modules. IEEE Microwave and Wireless Components Letters, 2015, 25, 358-360.	2.0	20
168	A Generalized Model of Noise Driven Circuits with Application to Stochastic Resonance. IEEE Transactions on Circuits and Systems I: Regular Papers, 2015, 62, 1981-1990.	3.5	1
169	High-sensitivity wideband THz detectors based on GaN HEMTs with integrated bow-tie antennas. , 2015, , .		20
170	Horizon 2020 TWEETHER project for W-band high data rate wireless communications. , 2015, , .		3
171	Terahertz rectification by plasmons and hot carriers in gated 2D electron gases. , 2015, , .		6
172	Camera for High-Speed THz Imaging. Journal of Infrared, Millimeter, and Terahertz Waves, 2015, 36, 986-997.	1.2	40
173	A 330 GHz hetero-integrated source in InP-on-BiCMOS technology. , 2015, , .		9
174	InP-Si BiCMOS Heterointegration Using a Substrate Transfer Process. ECS Journal of Solid State Science and Technology, 2014, 3, P17-P20.	0.9	3
175	Compressed sensing for three-dimensional microwave breast cancer imaging. , 2014, , .		2
176	Small- and large-signal modeling of InP HBTs in transferred-substrate technology. International Journal of Microwave and Wireless Technologies, 2014, 6, 243-251.	1.5	10
177	Microwave Radar Imaging of Heterogeneous Breast Tissue Integrating A Priori Information. International Journal of Biomedical Imaging, 2014, 2014, 1-10.	3.0	14
178	A stitched 24×24 field-effect transistor detector array and low-noise readout electronics for real-time imaging at 590 GHz. , 2014, , .		0
179	Terahertz edge detection with antenna-coupled field-effect transistors in 0.25 μm AlGaN/GaN technology. , 2014, , .		1
180	A 270 GHz push-push oscillator in InP-DHBT-on-BiCMOS technology. , 2014, , .		4

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181	Terahertz Detection with Field-effect Transistors: Intrinsic versus Device Sensitivity Limits. , 2014, , .		1
182	Antenna-coupled field-effect transistors for multi-spectral terahertz imaging up to 425 THz. Optics Express, 2014, 22, 19235.	1.7	131
183	Radar-based tumor localization in heterogeneous breast tissue using a 3D permittivity model. , 2014, , .		1
184	(Invited) Combining SiGe BiCMOS and InP Processing in an on-top of Chip Integration Approach. ECS Transactions, 2014, 64, 177-194.	0.3	8
185	Millimeter-wave hetero-integrated sources in InP-on-BiCMOS technology. International Journal of Microwave and Wireless Technologies, 2014, 6, 225-233.	1.5	6
186	TeraSCREEN: multi-frequency multi-mode Terahertz screening for border checks. Proceedings of SPIE, 2014, , .	0.8	19
187	On-wafer small-signal and large-signal measurements up to sub-THz frequencies. , 2014, , .		12
188	Exploration of Terahertz Imaging with Silicon MOSFETs. Journal of Infrared, Millimeter, and Terahertz Waves, 2014, 35, 63-80.	1.2	80
189	Molecular Spectroscopy With a Compact 557-GHz Heterodyne Receiver. IEEE Transactions on Terahertz Science and Technology, 2014, 4, 469-478.	2.0	18
190	Highly efficient 200-GHz fixed-frequency fundamental source in transferred-substrate InP DHBT technology. , 2014, , .		2
191	A 246 GHz Hetero-Integrated Frequency Source in InP-on-BiCMOS Technology. IEEE Microwave and Wireless Components Letters, 2014, 24, 469-471.	2.0	10
192	Three-dimensional InP-DHBT on SiGe-BiCMOS integration by means of Benzocyclobutene based wafer bonding for MM-wave circuits. Microelectronic Engineering, 2014, 125, 38-44.	1.1	8
193	THz Active Imaging Systems with Real-Time Capabilities. NATO Science for Peace and Security Series B: Physics and Biophysics, 2014, , 153-187.	0.2	10
194	Design and Realization Aspects of 1-THz Cascade Backward Wave Amplifier Based on Double Corrugated Waveguide. IEEE Transactions on Electron Devices, 2013, 60, 1236-1243.	1.6	120
195	Physical based Schottky barrier diode modeling for THz applications. , 2013, , .		3
196	InP on BiCMOS technology platform for millimeter-wave and THz MMIC. , 2013, , .		3
197	200 GHz interconnects for InP-on-BiCMOS integration. , 2013, , .		12
198	Real-time CMOS terahertz camera employing plane-to-plane imaging with a focal-plane array of field-effect transistors. , 2013, , .		7

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199	Scalable, monolythically-integrated detectors for THz imaging. , 2013, , .		0
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