Haruichi Kanaya

List of Publications by Year
in descending order

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		471509	501196
189	1,201	17	28
papers	citations	h-index	g-index

189	189	189	779
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Performance Optimization of a Slot Antenna using Bayesian Optimization. , 2022, , .		1
2	Thin Circularly Polarized Slot Array Antenna for High-Band UWB Applications. Electronics (Switzerland), 2022, 11, 1070.	3.1	0
3	Integrated Compact-Size Rectenna with Enhanced RF to DC Power Conversion Efficiency and High-Gain Antenna. , 2022, , .		1
4	Developing a Sustainable System for Early Warning Against Landslides During Rainfall. Lecture Notes in Civil Engineering, 2021, , 917-926.	0.4	3
5	Battery-Less Infrastructure Monitoring Sensor Platform. Lecture Notes in Civil Engineering, 2021, , 907-915.	0.4	2
6	Battery less soil moisture sensors for strawberry seedlings. , 2021, , .		1
7	Experimental Demonstration of Wireless Energy Harvesting for ZigBee Wireless Communication. , 2021, , .		1
8	Development of Power Management System for RF Energy Harvester. , 2021, , .		2
9	Optically controlled THz power tuning based on interference at transmission line. Optics Express, 2021, 29, 20034.	3.4	1
10	Compact and Simple High-Efficient Dual-Band RF-DC Rectifier for Wireless Electromagnetic Energy Harvesting. Electronics (Switzerland), 2021, 10, 1764.	3.1	7
11	One-sided directional wideband slot array antenna for 28 GHz application. , 2021, , .		1
12	One-Sided Directional Slot Unit and its Array Antenna with AMC Reflector for 5G N257 Band Applications. , 2021, , .		0
13	Design of a High Gain and Miniaturized Inter-digital CPW Antenna for Energy Harvesting. , 2021, , .		0
14	Study of Laser Ablation Slits in Stress Reduced Embedded Die Substrate Fabricated for Heterogeneous Integration. , 2021, , .		0
15	One-sided directional slot array antenna for 28GHz wideband operation. , 2021, , .		1
16	Development of a wide-band compact diplexer using a redistribution layer for 5G application. , 2021, , .		0
17	Optoelectronic THz-Wave Beam Steering by Arrayed Photomixers With Integrated Antennas. IEEE Photonics Technology Letters, 2020, 32, 979-982.	2.5	30
18	Compact Dual-Band Tapered Open-Ended Slot-Loop Antenna For Energy Harvesting Systems. Electronics (Switzerland), 2020, 9, 1394.	3.1	7

#	Article	IF	Citations
19	Modeling and Characterization of InAs Quantum-Well Metal-Oxide-Semiconductor Field Effect Transistors on Quartz for 1.0 THz Wave Detection. , 2020, , .		0
20	THz-Wave Power Multiplication by Parallel-Connection UTC-PDs. , 2020, , .		3
21	Reconfigurable Multistage RF Rectifier Topology for 900 MHz ISM Energy-Harvesting Applications. IEEE Microwave and Wireless Components Letters, 2020, 30, 1181-1184.	3.2	19
22	Development of Broadband CPW RF Rectifier for Wireless Electromagnetic Energy Harvesting. , 2020, , .		2
23	Evaluation of Residual Stress of Embedded Die Substrate with Hollow Structure for Heterogeneous Integration. , 2020, , .		1
24	Development of micro energy harvest circuit using RF signal. , 2020, , .		0
25	Dual-band one-sided directional slot array antenna for 10GHz and 24GHz application. , 2020, , .		1
26	Compact High-Efficient CPS 2.45 GHz Multistage RF-DC Rectifier for Wireless Energy Harvesting. , 2020, , .		2
27	High-Gain Simple Printed Dipole-Loop Antenna for RF-Energy Harvesting Applications. , 2020, , .		3
28	Design of a Compact CPW Antenna Operating at the 920 MHz ISM/RFID Band. , 2020, , .		2
29	Design of a High-Efficient Differential Strip RF Rectifier Architecture. , 2020, , .		2
30	Efficiency-Enhancement of 2.45-GHz Energy Harvesting Circuit Using Integrated CPW-MS Structure at Low RF Input Power. IEICE Transactions on Electronics, 2019, E102.C, 399-407.	0.6	15
31	Novel L-Slot Matching Circuit Integrated with Circularly Polarized Rectenna for Wireless Energy Harvesting. Electronics (Switzerland), 2019, 8, 651.	3.1	29
32	Analysis of square-law detector for high-sensitive detection of terahertz waves. Journal of Applied Physics, 2019, 125, 174506.	2.5	12
33	A simple methodology for on-chip transmission line modeling and optimization for high-speed clock distribution. Japanese Journal of Applied Physics, 2019, 58, SBBC06.	1.5	2
34	High-Efficient Broadband CPW RF Rectifier for Wireless Energy Harvesting. IEEE Microwave and Wireless Components Letters, 2019, 29, 288-290.	3.2	60
35	Enhanced Broadband RF Differential Rectifier Integrated with Archimedean Spiral Antenna for Wireless Energy Harvesting Applications. Sensors, 2019, 19, 655.	3.8	43
36	Wireless Micro Energy Harvesting Circuit for Sensor System. , 2019, , .		1

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37	28 GHz one-sided directional slot array antenna for 5G application. , 2019, , .		7
38	3.3-mA 2.8-GHz bufferless LC oscillator directly driving a 10-mm on-chip clock distribution line. IEICE Electronics Express, 2019, 16, 20190301-20190301.	0.8	0
39	Implementation of a High-Efficient and Simple CPW Rectenna at the 2.45 GHz ISM Radio Band. , 2019, , .		0
40	Wide-band and Efficiency-Improved 0.18um CMOS RF Differential Rectifier for Wireless Energy Harvesting. , 2019, , .		0
41	Planar Circularly Polarized Antenna for UWB High Band Applications. , 2019, , .		0
42	Quantitative Discussion on Sensitivity to Terahertz Waves of Detectors Made of MOSFET and High-Electron Mobility Transistor. , 2019, , .		0
43	Radio Propagation Characteristics-based Spoofing Attack Prevention on Wireless Connected Devices. Journal of Information Processing, 2019, 27, 322-334.	0.4	0
44	600GHz wideband planar array antenna on a chip. , 2019, , .		0
45	Compact and Broadband RF Rectifier With 1.5 Octave Bandwidth Based on a Simple Pair of L-Section Matching Network. IEEE Microwave and Wireless Components Letters, 2018, 28, 335-337.	3.2	74
46	Effect of Subthreshold Slope on Sensitivity of MOS-HEMT Square Law Detector for THz Waves. , 2018, , .		1
47	Design and Characterization of One-Sided Directional Slot Antenna for 1 THz Waves. , 2018, , .		0
48	Dual-band differential outputs CMOS Low Noise Amplifier. , 2018, , .		1
49	Design of A Phased Array Antenna for Indoor Positioning System. , 2018, , .		1
50	A Low-Power and GHz-Band <i>LC</i>-DCO Directly Drives 10mm On-Chip Clock Distribution Line in 0.18Âµm CMOS. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2018, E101.A, 1907-1914.	0.3	1
51	Wideband slot array antenna for 1 THz band imaging device. , 2018, , .		0
52	A highâ€frequency, lowâ€coupling 8â€shaped differential inductor with patterned ground shield. Microwave and Optical Technology Letters, 2018, 60, 2704-2707.	1.4	2
53	Compact and Wide-band Efficiency Improved RF Differential Rectifier for Wireless Energy Harvesting. , 2018, , .		10
54	360Â° Phase Shifter Design Using Dual-Branch Switching Network. IEEE Microwave and Wireless Components Letters, 2018, 28, 675-677.	3.2	10

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55	Development of 4x4 phased array antenna on chip for 300GHz band application. , 2018, , .		6
56	A CMOS Ultrawideband Pulse Generator for 3â€“5 GHz Applications. IEEE Microwave and Wireless Components Letters, 2017, 27, 584-586.	3.2	9
57	M iniaturized highâ€band UWB array antenna. Microwave and Optical Technology Letters, 2017, 59, 1651-1655.	1.4	1
58	CMOS class-E power amplifier module with CPW bonding wires for 5GHz application. , 2017, , .		0
59	4x4 planar array antenna on indium phosphide substrate for 0.3-THz band application. Proceedings of SPIE, 2017, , .	0.8	4
60	Compact RF rectifier circuit for ambient energy harvesting. , 2017, , .		16
61	Terahertz wave beam steering by optical phase control. , 2017, , .		1
62	2.4GHz monopole antenna on flexible substrate for implanting sensor. , 2017, , .		2
63	Wireless Spoofing-Attack Prevention Using Radio-Propagation Characteristics. , 2017, , .		1
64	4 Ã— 4 Arrayed THz-wave combiner composed of UTC-PDs and slot antennas. , 2017, , .		0
65	Development of the endoscopic clip with a battery-less LED for laparoscopic gastrointestinal resection. , 2017, , .		0
66	Development of highly efficient push-pull power amplifier with center tapped transformer for 5GHz application. , 2017, , .		1
67	Impedance Matching Antenna-Integrated High-Efficiency Energy Harvesting Circuit. Sensors, 2017, 17, 1763.	3.8	18
68	Analysis and Design of a Full 360 degrees, Harmonic-Suppressed Hybrid Coupler Phase Shifter. IEICE Transactions on Electronics, 2017, E100.C, 875-883.	0.6	0
69	Derivation of the optimum distance between periodically spaced vias for leakage suppression at Sâ€band. Microwave and Optical Technology Letters, 2016, 58, 1257-1260.	1.4	1
70	Highâ€efficiency CMOS pushâ€pull power amplifier with multilayer centerâ€tapped transformer. IEEJ Transactions on Electrical and Electronic Engineering, 2016, 11, 384-386.	1.4	1
71	+1dBm IIP3, low noise amplifier for ultra-wide band wireless applications. , 2016, , .		2
72	Miniaturized high-band UWB monopole antenna. , 2016, , .		2

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73	Miniaturized high gain slot dipole array antenna for X-band application. , 2016, , .		3
74	High efficiency energy harvesting circuit with impedance matched antenna. , 2016, , .		1
75	Development of UHF to 2.4GHz and 5.2GHz dual band up-conversion CMOS mixer. , 2016, , .		1
76	Planar array antenna with director on indium phosphide substrate for 300GHz wireless link. Proceedings of SPIE, 2016, , .	0.8	2
77	5GHz-band CMOS class-E power amplifier module considering wire bonding. , 2015, , .		2
78	Circularly polarized one-sided directional slot array antenna for 920MHz application. , 2015, , .		1
79	Strong resonant coupling for short-range wireless power transfer applications using defected ground structures. , 2015, , .		15
80	A circularly polarized planar antenna on flexible substrate for ultra-wideband high-band applications. AEU - International Journal of Electronics and Communications, 2015, 69, 1381-1386.	2.9	23
81	A tri-level 50MS/s 10-bit capacitive-DAC for Bluetooth applications. , 2015, , .		0
82	2 × 2 slot dipole array antenna with CPW for 2.4GHz band. , 2014, , .		6
83	High gain 4 × 4 slot dipole antenna array in the 5GHz band. , 2014, , .		7
84	A 1.9 GHz low phase noise complementary cross-coupled FBAR-VCO in 0.18 μm CMOS technology. , 2014, , .		6
85	One-sided directional slot antenna with impedance matching circuit for 3D packaging. , 2014, , .		0
86	Multiband (920 MHz/2.4 GHz/3.5 GHz/5 GHz) planar antenna on flexible substrate. Microwave and Optical Technology Letters, 2014, 56, 2526-2530.	1.4	4
87	Multi-band miniaturized slot antenna with multi-band impedance matching circuit. , 2014, , .		2
88	Compact size UWB planer antenna on flexible substate. , 2014, , .		2
89	Circularly Polarized One-Sided Directional Slot Antenna With Reflector Metal for 5.8-GHz DSRC Operations. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 778-781.	4.0	27
90	High efficient impedance matching circuit of power amplifier combined with antenna. , 2014, , .		3

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91	A design methodology for SAR ADC optimal redundancy bit. IEICE Electronics Express, 2014, 11, 20140218-20140218.	0.8	1
92	A 10-bit 50MS/s 350<i>Âμ</i>W Small Die Area Capacitive Digital-to-Analog Converter for Bluetooth Applications. IEEJ Transactions on Electronics, Information and Systems, 2014, 134, 328-329.	0.2	2
93	A low power 2.4 GHz LNA operated in subthreshold region. , 2014, , .		0
94	A highly attenuative CMOS LNA at 5â€“6 GHz using negative G_M circuit for UWB applications. Microwave and Optical Technology Letters, 2013, 55, 894-899.	1.4	2
95	Energy Harvesting Circuit on a One-Sided Directional Flexible Antenna. IEEE Microwave and Wireless Components Letters, 2013, 23, 164-166.	3.2	95
96	A CMOS class-E power amplifier of 40-% PAE at 5 GHz for constant envelope modulation system. , 2013, , .		18
97	Development of a rectenna for batteryless electronic paper. , 2013, , .		4
98	Development of dual band digitally controlled oscillator using Fibonacci sequence in 0.18 um CMOS process. , 2013, , .		0
99	Systematic Design Methodology of a Wideband Multibit Continuous-Time Delta-Sigma Modulator. International Journal of Microwave Science and Technology, 2013, 2013, 1-5.	0.6	1
100	Multi-band miniaturized slot antenna with two-stage bandpass filter. , 2013, , .		2
101	A self-biasing class-E power amplifier for 5-GHz constant envelope modulation system. IEICE Electronics Express, 2013, 10, 20130174-20130174.	0.8	3
102	A low phase noise FBAR based multiband VCO design. IEICE Electronics Express, 2013, 10, 20130425-20130425.	0.8	2
103	60 GHz Millimeter-Wave CMOS Integrated On-Chip Open Loop Resonator Bandpass Filters on Patterned Ground Shields. IEICE Transactions on Electronics, 2013, E96.C, 270-276.	0.6	0
104	Development of 2.4GHz one-sided directional slot antenna with 2-stage bandpass filter. , 2012, , .		0
105	High-Q SWCPL for CMOS millimeter-wave technology. IEICE Electronics Express, 2012, 9, 1284-1289.	0.8	1
106	Design of a compact size UWB planar antenna with WiMAX band rejection. IEICE Electronics Express, 2012, 9, 1304-1309.	0.8	4
107	Analytical method to determine optimal out-of-band gain in multi-bit delta-sigma modulator. IEICE Electronics Express, 2012, 9, 1598-1603.	0.8	0
108	CPW-fed slot antenna for UWB short-range impulse radar systems. IEICE Electronics Express, 2012, 9, 1604-1610.	0.8	5

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109	A novel high-precision DAC utilizing tribonacci series. IEICE Electronics Express, 2012, 9, 515-521.	0.8	1
110	A small die area and high linearity 10-bit capacitive three-level DAC. , 2012, , .		3
111	A novel 14-bit digitally controlled ring oscillator. , 2012, , .		0
112	Improving linearity of a 5.2 GHz low power mixer in 0.18μm CMOS process by using Derivative Superposition method. , 2012, , .		0
113	A 5-GHz fully integrated CMOS class-E power amplifier using self-biasing technique with cascaded class-D drivers. , 2012, , .		12
114	Feedforward charge injection technique in a continuous time delta-sigma modulator. , 2012, , .		0
115	Linearity improvement of 5.2â€GHz CMOS upâ€conversion mixer for wireless applications. Microwave and Optical Technology Letters, 2012, 54, 923-925.	1.4	9
116	Development of low phase noise digitally controlled CMOS ring oscillator with quadrature outputs. Microwave and Optical Technology Letters, 2012, 54, 1479-1483.	1.4	1
117	Low Group Delay 3.1â€“10.6 GHz CMOS Power Amplifier for UWB Applications. IEEE Microwave and Wireless Components Letters, 2012, 22, 41-43.	3.2	36
118	A low power UWB low noise amplifier using current reused and feedback techniques. Microwave and Optical Technology Letters, 2012, 54, 471-474.	1.4	1
119	3.6 GHz highly monotonic digitally controlled oscillator for all-digital phase locked loop. , 2011, , .		0
120	A 6–10.6 GHz CMOS PA with common-gate as an input stage for UWB transmitters. , 2011, , .		4
121	Development of 900MHz band one-sided directional antenna on flexible substrate. , 2011, , .		3
122	60GHz-band low loss on-chip band pass filter with patterned ground shields for millimeter wave CMOS SoC. , 2011, , .		5
123	A fully integrated CMOS up-conversion mixer with input active balun for wireless applications. , 2011, , .		4
124	Low-voltage low-power combined LNA-single gate mixer for 5GHz wireless systems. , 2011, , .		9
125	Development of one-sided directional printed slot antenna for high-band UWB systems. , 2011, , .		6
126	A high selectivity, low insertion loss 60GHz-band on-chip 4-pole band pass filter for millimeter wave CMOS SoC. , 2011, , .		2

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127	Kadanoff-Baym Approach to Entropy Production inO(N) Theory with Next-to-Leading Order Self-Energy. Progress of Theoretical Physics, 2011, 126, 249-267.	2.0	4
128	A third order delta-sigma modulator employing shared opamp technique for WCDMA on 0.18um CMOS. IEICE Electronics Express, 2011, 8, 1204-1209.	0.8	5
129	A compact low power ultra wideband impulse generator on 0.18 Î¼M CMOS technology. Microwave and Optical Technology Letters, 2011, 53, 1128-1131.	1.4	0
130	Flicker noise reduction in RF CMOS mixer using differential active inductor. Microwave and Optical Technology Letters, 2011, 53, 2553-2556.	1.4	2
131	Development of dual band miniaturized slot antenna with 2-stage bandpass filter. , 2011, , .		10
132	Design and evaluation of a â^'117 dBc/Hz phase noise voltage-controlled oscillator using on-chip CPW resonator for 5 GHz-band WLAN. Microwave and Optical Technology Letters, 2010, 52, 763-766.	1.4	2
133	Development of electrically small antenna with impedance matching circuit for 2.4GHz band sensor node. , 2010, , .		0
134	Development of 2.4GHz one-sided directional planar antenna with quarter wavelength top metal. , 2010, , .		2
135	A 3.0. , 2010, , .		4
136	Design of high linearity low flicker noise 5.2 GHz down-conversion mixer for direct conversion receiver. , 2010, , .		2
137	Indirect compensation technique based two-stage recycling folded cascode amplifier for reconfigurable multi-mode sigma-delta ADC. , 2010, , .		2
138	High linearity 5.2 GHz CMOS up-conversion mixer using derivative superposition method. , 2010, , .		7
139	1–5GHz wideband low noise amplifier using active inductor. , 2010, , .		5
140	A low power low flicker noise merged balun LNA and mixer for 5.2GHz wireless LAN receivers. , 2010, , .		3
141	High efficiency, good linearity, and excellent phase linearity of 3.1-4.8 GHz CMOS UWB PA with a current-reused technique. IEEE Transactions on Consumer Electronics, 2010, 56, 1241-1246.	3.6	27
142	Development of low power DAC with pseudo Fibonacci sequence. , 2010, , .		3
143	Low phase noise 18 kHz frequency tuning step 5 GHz DCO using tiny capacitors based on transmissi on lines. , 2010, , .		4
144	A low flicker noise, highly linear, direct conversion receiver for 5GHz wireless LAN. , 2010, , .		0

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145	An Excellent Gain Flatness 3.0â€“7.0 GHz CMOS PA for UWB Applications. IEEE Microwave and Wireless Components Letters, 2010, 20, 510-512.	3.2	40
146	A 2.4 GHz 0.18-µm CMOS Class E single-ended power amplifier without spiral inductors. , 2010, , .		11
147	Low flicker-noise and low leakage direct conversion CMOS mixer for 5GHz application. , 2009, , .		3
148	Low phase noise 10 bit 5 GHz DCO using on-chip CPW resonator in 0.18 µm CMOS technology. , 2009, , .		2
149	Development of a one-sided directional thin planar antenna with quarter wavelength top metal. , 2009, , .		0
150	A low flicker noise direct conversion receiver for the IEEE 802.11a wireless LAN standard. , 2009, , .		7
151	A 3.0–7.5 GHz CMOS UWB PA for group 1~3 MB-OFDM application using current-reused and shunt-shunt feedback. , 2009, , .		14
152	A 3.1 - 4.8 GHz CMOS UWB Power Amplifier Using Current Reused Technique. , 2009, , .		8
153	Design of VCO using on-chip CPW resonator for 5 GHz-band wireless applications. , 2008, , .		1
154	Design of Highly Linear, 1GHz 8-bit Digitally Controlled Ring Oscillator with Wide Tuning Range in 0.18um CMOS Process. , 2008, , .		3
155	Development of an electrically small one-sided directional antenna with matching circuit. , 2008, , .		13
156	Design and performance of electrically small planar antennas with matching circuit at 2.4GHz band. , 2008, , .		3
157	High dynamic range mixer in CMOS 0.18 um technology for WLAN direct conversion receiver. , 2008, , .		1
158	Comparison between bipolar and NMOS transistors in linearization technique at 5GHz low noise amplifier. , 2008, , .		2
159	Design of digitally controlled LC oscillator with wide tuning range in 0.18um TSMC CMOS technology. , 2008, , .		3
160	Design and Performance of an Electrically Small Antenna with Matching Circuit. , 2007, , .		5
161	Sutdy of A CPW-Fed Slot Dipole One-Sided Directional Antenna for UWB Systems. , 2007, , .		6
162	Design of VCO for 2.4GHz Wireless Applications Using Transmission Line Resonators. , 2007, , .		0

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163	Design of 1.1 GHz Highly Linear Digitally-Controlled Ring Oscillator with Wide Tuning Range. , 2007, , .		12
164	Design of High-Linearity Amplifier for Wireless LAN Transceiver. , 2007, , .		1
165	Electrically Small Superconducting Antennas With Bandpass Filters. IEEE Transactions on Applied Superconductivity, 2007, 17, 878-881.	1.7	23
166	Development of a HTS Slot Antenna With Multi-Bandpass Filters. IEEE Transactions on Applied Superconductivity, 2007, 17, 882-885.	1.7	0
167	Development of a CMOS Driver Circuit Connected to Transmission Line for High Speed and Low Power Optical Switch. , 2006, , .		0
168	Development of a Single-chip Power Amplifier with Transmission Line Based Impedance Matching Circuit. , 2006, , .		0
169	Design of coplanar waveguide matching circuit for RF-CMOS front-end. Electronics and Communications in Japan, 2005, 88, 19-26.	0.2	6
170	Design of a single chip antenna combined with coplanar matching circuit and duplexer. , 2005, , .		0
171	Design and Performance of Miniaturized Quarter-Wavelength Resonator Bandpass Filters With Attenuation Poles. IEEE Transactions on Applied Superconductivity, 2005, 15, 1016-1019.	1.7	6
172	Design and Performance of an Electrically Small Slot Loop Antenna With a Miniaturized Superconducting Matching Circuit. IEEE Transactions on Applied Superconductivity, 2005, 15, 1020-1023.	1.7	30
173	Design method of miniaturized HTS coplanar waveguide bandpass filters using cross coupling. IEEE Transactions on Applied Superconductivity, 2003, 13, 265-268.	1.7	19
174	Design and performance of superconducting circuits for LiNbO/sub 3/ optical modulator and switch. IEEE Transactions on Applied Superconductivity, 2003, 13, 1027-1030.	1.7	9
175	Design of HTS coplanar waveguide matching circuit for low noise CMOS-HTS receiver. IEEE Transactions on Applied Superconductivity, 2003, 13, 1031-1034.	1.7	18
176	Superconducting slot antenna with broadband impedance matching circuit. IEEE Transactions on Applied Superconductivity, 2001, 11, 103-106.	1.7	36
177	Miniaturized HTS coplanar waveguide bandpass filters with highly packed meanderlines. IEEE Transactions on Applied Superconductivity, 2001, 11, 481-484.	1.7	43
178	Broadband and low driving-voltage LiNbO/sub 3/ optical modulator with high T/sub c/ superconducting transmission line. IEEE Transactions on Applied Superconductivity, 2001, 11, 442-445.	1.7	4
179	Optical Measurements during Gelation Process of Muscle Protein under High Pressure. Journal of the Physical Society of Japan, 1993, 62, 362-367.	1.6	3
180	Ultrasonic and dielectric studies on curing process of allyl-oligomer. AIP Conference Proceedings, 1992, , .	0.4	0

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181	Observation of Transmitted Light Spectra during Gelation Process of Actomyosin. Journal of the Physical Society of Japan, 1992, 61, 1113-1118.	1.6	4
182	Turbidity Spectra of Tungstic Acid in Gelation Process. Journal of the Physical Society of Japan, 1991, 60, 3568-3572.	1.6	8
183	Design of Driver Circuits Connected to Transmission Line for High Speed Optical Switch. , 0, , .		1
184	Design of on chip coplanar waveguide matching circuit for BI-CMOS RF amplifier. , 0, , .		0
185	Impedance Matching Circuit for Wireless Transceiver Amplifier Based on Transmission Line Theory. , 0, , .		3
186	Design of a One-Chip Power Anplifire with Transmission Line Based Matching Circuit. , 0, , .		0
187	Design of Coplanar Waveguide On-Chip Impedance-Matching Circuit for Wireless Receiver Front-End. , 0, , .		2
188	Quasiâ€Yagi antenna with parasitic cells and its array for 5G mmâ€wave operations. Microwave and Optical Technology Letters, 0, , .	1.4	1
189	Multiâ€bands antenna for metalâ€rimmed handset terminals. Microwave and Optical Technology Letters, 0, , .	1.4	0