Hiroshi Hamada

List of Publications by Year
in descending order

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23	394	1478505 6	1588992 8
papers	citations	h-index	g-index

24	24	24	332
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Bi-Directional 300-GHz-Band Phased-Array Transceiver in 65-nm CMOS With Outphasing Transmitting Mode and LO Emission Cancellation. IEEE Journal of Solid-State Circuits, 2022, 57, 2292-2308.	5.4	16
2	InP-HEMT-based Tera-Hertz-band IC Fabrication Technology For Beyond 5G/6G Application. Vacuum and Surface Science, 2022, 65, 258-263.	0.1	0
3	20 GHz Bandwidth 3.84 dBi Gain InP On-chip Antenna for 300GHz Wireless Communication. , 2021, , .		1
4	220â€“325-GHz 25-dB-Gain Differential Amplifier With High Common-Mode-Rejection Circuit in 60-nm InP-HEMT Technology. IEEE Microwave and Wireless Components Letters, 2021, 31, 709-712.	3.2	7
5	Excitation of resonances in planar metamaterials at a two-layer dielectric interface for substrate integrated electronics. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 409, 127523.	2.1	2
6	300-GHz-Band 120-Gb/s Wireless Front-End Based on InP-HEMT PAs and Mixers. IEEE Journal of Solid-State Circuits, 2020, 55, 2316-2335.	5.4	93
7	230â€“305 GHz, > 10-dBm-Output-Power Wideband Power Amplifier Using Low-Q Neutralization Technique in 60-nm InP-HEMT Technology. , 2020, , .		3
8	Feasibility Study of Wafer-Level Backside Process for InP-Based ICs. IEEE Transactions on Electron Devices, 2019, 66, 3771-3776.	3.0	16
9	300-GHz 120-Gb/s Wireless Transceiver with High-Output-Power and High-Gain Power Amplifier Based on 80-nm InP-HEMT Technology. , 2019, , .		23
10	High-Output-Power and Reverse-Isolation G-Band Power Amplifier Module Based on 80-NM InP HEMT Technology. , 2018, , .		1
11	An 80-Gbaud Transmitter using Bandwidth Interleaving with Sideband Cancelling Method. , 2018, , .		6
12	300-GHz. 100-Gb/s InP-HEMT Wireless Transceiver Using a 300-GHz Fundamental Mixer. , 2018, , .		92
13	An Accurate Permittivity Measurement Using Interferometric Phase Noise Averaging for Terahertz Imaging. IEEE Transactions on Terahertz Science and Technology, 2018, 8, 278-286.	3.1	6
14	Fast and Accurate THz Permittivity Measurement Using a Self-Heterodyne Technique and Multitone Signal With Nonuniform Intervals. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 4649-4657.	4.6	3
15	Prototype of KIOSK Data Downloading System at 300 GHz: Design, Technical Feasibility, and Results. , 2018, 56, 130-136.		27
16	A high-speed THz permittivity measurement system featuring a simple 2-tone generation method using LO leakage. , 2017, , .		1
17	THz permittivity imaging using multi-tone unwrapped phase slope method. , 2016, , .		3
18	Demonstration of 20-Gbps wireless data transmission at 300 GHz for KIOSK instant data downloading applications with InP MMICs. , 2016, , .		34

#	Article	IF	Citations
19	20-Gbit/s ASK wireless system in 300-GHz-band and front-ends with InP MMICs. , 2016, , .		8
20	Terahertz MMICs and Antenna-in-Package Technology at 300ÂGHz for KIOSK Download System. Journal of Infrared, Millimeter, and Terahertz Waves, 2016, 37, 1213-1224.	2.2	16
21	300-GHz Band 20-Gbps ASK Transmitter Module Based on InP-HEMT MMICs. , 2015, , .		31
22	Demonstration of KIOSK data downloading system at 300 GHz based on InP MMICs. , 2015, , .		2
23	GaInAsP/InP waveguide dual core spot size converter for optical fiber. , 2011, , .		3