Takashi Shimizu

List of Publications by Year
in descending order

31	68	2258059 3	1872680 6
papers	citations	h-index	g-index

31	31	31	42
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Accurate Evaluation Technique of Complex Permittivity for Low-Permittivity Dielectric Films Using a Cavity Resonator Method in 60-GHz Band. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 279-286.	4.6	12
2	Measurement Technique for Interface and Surface Conductivities at Millimeter-Wave Frequencies Using Dielectric Rod Resonator Excited by Nonradiative Dielectric Waveguide. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 2750-2761.	4.6	6
3	Millimeter wave measurements of some low-loss dielectric plates by a novel cut-off circular waveguide method. , 2002, , .		4
4	Complex permittivity measurement for a low loss dielectric rod using a novel 50 GHz band TM<inf>010</inf> mode cavity. , 2017, , .		4
5	Microwave Characteristics of a Conductor Backed CPW by a Home Printed Electronics Technology with Silver Nanoparticle Ink. , 2018, , .		4
6	Complex Permittivity Measurements of Thermoplastic Resin Filaments for a 3D Printer Using a 50GHz Band TM0m0 Mode Cavity Resonator. , 2018, , .		4
7	Low-Cost & Light-Weight 6 GHz Band Resin Based Cavity for Dielectric Plate Characterizations using Additive Manufacturing Techniques. , 2019, , .		4
8	An NRD guide excited millimeter wave narrow bandpass filter using whispering gallery mode high-Q resonators. , 2012, , .		3
9	Accurate and efficient measurements for complex permittivity of 3D printer filaments using a 50GHz band TM010 mode cavity resonator. , 2019, , .		3
10	Complex Permittivity Measurement Method for a Dielectric Film with Low Îµ_r using a Millimeter-wave Circular Empty Cavity Resonator. IEEJ Transactions on Electronics, Information and Systems, 2018, 138, 129-135.	0.2	3
11	A 55GHz 5-pole NRD guide E-plane bandpass filter for millimeter wave OFDM applications. , 2006, , .		2
12	NRD-guide and waveguide H-plane transition and its application for lens antenna feeding structure. Electronics and Communications in Japan, 2007, 90, 39-48.	0.2	2
13	Development of a 100 GHz Grooved Circular Empty Cavity for Complex Permittivity Measurements in W Band. IEICE Transactions on Electronics, 2011, E94-C, 1650-1656.	0.6	2
14	High precision measurement method for dielectric film materials by a novel V band cavity resonator. , 2014, , .		2
15	Development of low loss Ka-band narrowband bandpass filter using a dual mode coplanar type circular slot resonator. , 2015, , .		2
16	Development of a Narrowband 30-GHz Band Bandpass Filter with Coaxial Interfaces Using Coplanar Type H-slot Resonators. , 2018, , .		2
17	Frequency dependence measurement technique of the interface conductivity using a dielectric rod resonator sandwiched between copper-clad dielectric substrates. , 2018, , .		2
18	Complex Permittivity Measurement for Thin Dielectric Rods with High Permittivity Using a 50 GHz Band TM₀₁₀ Mode Cavity. , 2021, , .		2

#	Article	IF	Citations
19	Some discussions of the resonator structure for the cut-off waveguide method and the round robin test. , 2003, , .		1
20	Feeding structures for 60-GHz dielectric lens antenna with low sidelobes. Electronics and Communications in Japan, 2006, 89, 16-26.	0.2	1
21	Cryogenic 36â€“45 GHz InP Low-Noise Amplifier MMIC's with Improved Noise Temperature by Eliminating Parasitic Parallel-Plate Modes. Publication of the Astronomical Society of Japan, 2012, 64, 71.	2.5	1
22	Complex Permittivity Evaluation of Dielectric Materials for Millimeter Wave Circuit Substrates with the Whispering-Gallery Mode Resonator Method. , 2018, , .		1
23	NRD Guide Excited Millimeter Wave Narrow Bandpass Filter Using Sapphire Disk Resonators. IEICE Transactions on Electronics, 2012, E95.C, 1226-1230.	0.6	1
24	Evaluation of the Millimeter-Wave Characteristics of Dielectric Substrates by using Whispering Gallery Mode Resonators. , 2008, , .		0
25	Study on Thermoplastic Resin Plates Outputted by a FDM Type 3D Printer Using a High Precision Complex Permittivity Measurement Method in Millimeter Wave Region. IEEJ Transactions on Electronics, Information and Systems, 2021, 141, 105-110.	0.2	0
26	Effective Conductivity Measurements for Additive Manufacturing Technology Conductor using Two Dielectric Rod Resonator Method. IEEJ Transactions on Electronics, Information and Systems, 2021, 141, 915-916.	0.2	0
27	Measurement of Complex Permittivity normal to Substrates for Medium-loss Materials Using a PTFE Loaded Balanced-type Circular Disk Resonator at Microwave and Millimeter Wave Frequencies. IEEJ Transactions on Electronics, Information and Systems, 2021, 141, 842-850.	0.2	0
28	Evaluation Technique for Complex Permittivity of Mid-Loss Underfill Materials by a Cut-Off Circular Waveguide Method in Millimeter Wave Bands. IEICE Transactions on Electronics, 2014, E97.C, 972-975.	0.6	0
29	Complex Permittivity Measurement Technique for a 3D Printed Rectangular Dielectric Rod using an NRD Guides at 60-GHz Band. , 2020, , .		0
30	Measurement of Complex Permittivity of a Dielectric Thin Film by the Cylindrical Cavity Resonator Having Sliding End Plates. IEEJ Transactions on Electronics, Information and Systems, 2020, 140, 492-495.	0.2	0
31	High Efficiency Complex Permittivity Measurement of a Dielectric Rod Using a 50 GHz Band TM₀₁₀ Mode Cavity Resonator with a Small Sample Insertion Hole. IEEJ Transactions on Electronics, Information and Systems, 2022, 142, 40-45.	0.2	0