

Satoshi Yoshida

List of Publications by Year in descending order

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47
papers

232
citations

1937685

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1588992

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docs citations

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times ranked

183
citing authors

#	ARTICLE	IF	CITATIONS
1	152.6% Fractional Bandwidth UHF-to-Microwave Band Compact Rectifier Utilizing the Conditions for Flat Frequency Characteristics of RF→DC Conversion Efficiency. IEEE Microwave and Wireless Components Letters, 2022, 32, 595-598.	3.2	6
2	Expansion Technique of the Beamforming Area for 60-GHz-Band Beamforming Array Antenna in Mobile Wireless Terminal Application. , 2021, , .		0
3	Expansion of the Beamforming Coverage Area in an Elevation Plane for 60 GHz Band 3-D Beamforming. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 773-777.	4.0	2
4	The K-Band Communication Transmitter/Receiver Powered by the C-Band HySIC Energy Harvester with Multi-Sensors. , 2020, , .		2
5	<i>C</i>-Band Frequency-Tunable Rectifier Designed by HySIC Concept Utilizing GaAs MMIC and Si RFIC. IEEE Microwave and Wireless Components Letters, 2020, 30, 997-1000.	3.2	4
6	Experimental Verification of Excavated Structure on Multi-Layered Substrates for Millimeter-Wave Signal Vertical Transition Using Copper Balls. IEEE Access, 2020, 8, 2362-2372.	4.2	5
7	Analysis and Optimization of GaN Diode Structure for High Power and High Efficiency Rectifier. , 2020, , .		1
8	Initial verification of a bandwidth tunable Ku-band power amplifier designed by the HySIC concept. IEICE Communications Express, 2020, 9, 599-604.	0.4	0
9	60 GHz Dual-Polarized 2âˆ™2 Phased Array Antenna Using Copper Ball Interconnection. , 2019, , .		1
10	Smart Wireless Sensor System by Microwave Powering for Space-by-Wireless. , 2019, , .		2
11	60-GHz-Band Dipole Array Antenna Using Copper Balls Interconnection With Excavated Structure. , 2019, , .		1
12	The C-Band HySIC RF Energy Harvester Based on the Space Information, Communication and Energy Harvesting Technology. , 2018, , .		2
13	Experimental Evaluation of Hybrid Energy Harvester by Simultaneous Use of Solar Power Generation and Microwave Power Transmission. IEJ Transactions on Industry Applications, 2018, 138, 615-622.	0.2	0
14	Hybrid semiconductor integrated recitifer for wireless power transmission into spacecraft. , 2017, , .		3
15	Evaluation of a C-band rectifier using Si substrate for HySIC application. , 2017, , .		0
16	C-band energy harvester by Si RFICs with GaN diodes for microwave power transfer. , 2017, , .		3
17	Wide dynamic range rectifier circuit with sequential power delivery technique. , 2017, , .		1
18	Wide dynamic range rectifier circuit with sequential power delivery technique. , 2017, , .		4

#	ARTICLE	IF	CITATIONS
19	Design of concurrent dual-band rectifier with harmonic signal control. , 2017, , .		7
20	Short-range 4Å—4 MIMO Wireless Communication and Power Transfer system. , 2016, , .		1
21	Impact of symbol rate and roll-off factor on rectifier RF-DC conversion efficiency for WiCoPT system. , 2016, , .		4
22	Design of dual-band rectifier using microstrip spurline notch filter. , 2016, , .		5
23	C band GaN diode rectifier with 3W DC output for high power microwave power transmission applications. , 2016, , .		11
24	The aerospace wireless sensor network system compatible with microwave power transmission by time- and frequency-division operations. <i>Wireless Power Transfer</i> , 2015, 2, 3-14.	1.1	22
25	Experimental Demonstration of Microwave Power Transmission and Wireless Communication Within a Prototype Reusable Spacecraft. <i>IEEE Microwave and Wireless Components Letters</i> , 2015, 25, 556-558.	3.2	27
26	A 60-GHz-band 2 x 4 planar dipole array antenna module fabricated by 3-D SiP technology. <i>IOP Conference Series: Materials Science and Engineering</i> , 2014, 61, 012036.	0.6	1
27	Evaluation on use of modulated signal for Microwave Power Transmission. , 2014, , .		12
28	The 20 W C-band lightweight GaN HPA for wireless sensor and power transmission in a spacecraft. , 2014, , .		1
29	Hetero-plane beam synthesis using 60 GHz band 3-D phased array antenna module. , 2014, , .		2
30	The C-band MPT rectifier using a HEMT without bonding-wire connection for a space health monitoring system. , 2013, , .		5
31	Analysis of rectifier operation with FSK modulated input signal. , 2013, , .		10
32	A 60-GHz Band Planar Dipole Array Antenna Using 3-D SiP Structure in Small Wireless Terminals for Beamforming Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2013, 61, 3502-3510.	5.1	30
33	High-power, high-efficiency microwave circuits and modules for wireless power transfer based on green-Eco technology. , 2013, , .		8
34	60-GHz band beam forming receiver RFIC for broadband communication phased array antenna module. , 2013, , .		1
35	The S-band multi-stage amplifier for single-tone and time-division microwave communication and power transmission. , 2013, , .		0
36	7/8-GHz band 2×2 circular patch active integrated array antenna for solar sail applications. , 2013, , .		2

#	ARTICLE	IF	CITATIONS
37	Wide power range operable 3-stage S-band microwave rectifier with automatic selector based on input power level. , 2013, , .		19
38	GaN HEMT based rectifier for spacecraft health monitoring system using microwave wireless power transfer. , 2012, , .		7
39	A 3-D radiation pattern measurement method for a 60-GHz-band WPAN phased array antenna. , 2012, , .		5
40	60GHz antenna integrated transmitter module. , 2012, , .		1
41	Cryogenic GaAs high gain and low-noise amplifier module for radio astronomy. , 2012, , .		2
42	A 60-GHz band WPAN transmitter module integrated with a planar dipole antenna using organic substrates and 3-D SiP technology. , 2011, , .		1
43	A high-gain planar dipole antenna for 60-GHz band 3-D system-in-package modules. , 2011, , .		3
44	60-GHz-band planar slot antenna using organic substrates for ultra-small WPAN modules. , 2010, , .		2
45	5-GHz band 3-stacked meander line antenna using multi-layered organic substrates. , 2010, , .		0
46	Radiation characteristics of ultra-small wireless communication modules for 60GHz band WPAN. , 2008, , .		5
47	Re-â€Evaluation of a Dualâ€Feed Linear Polarized 2â€byâ€2 Circular Patch Array Antenna for 60â€GHzâ€Band Digital Beamforming Applications. IEJ Transactions on Electrical and Electronic Engineering, 0, , .	1.4	1