Satoshi Yoshida

List of Publications by Year
in descending order

47	232	1937685 4	1588992 8
papers	citations	h-index	g-index

47	47	47	183
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A 60-GHz Band Planar Dipole Array Antenna Using 3-D SiP Structure in Small Wireless Terminals for Beamforming Applications. IEEE Transactions on Antennas and Propagation, 2013, 61, 3502-3510.	5.1	30
2	Experimental Demonstration of Microwave Power Transmission and Wireless Communication Within a Prototype Reusable Spacecraft. IEEE Microwave and Wireless Components Letters, 2015, 25, 556-558.	3.2	27
3	The aerospace wireless sensor network system compatible with microwave power transmission by time- and frequency-division operations. Wireless Power Transfer, 2015, 2, 3-14.	1.1	22
4	Wide power range operable 3-stage S-band microwave rectifier with automatic selector based on input power level. , 2013, , .		19
5	Evaluation on use of modulated signal for Microwave Power Transmission. , 2014, , .		12
6	C band GaN diode rectifier with 3W DC output for high power microwave power transmission applications. , 2016, , .		11
7	Analysis of rectifier operation with FSK modulated input signal. , 2013, , .		10
8	High-power, high-efficiency microwave circuits and modules for wireless power transfer based on green-Eco technology. , 2013, , .		8
9	GaN HEMT based rectifier for spacecraft health monitoring system using microwave wireless power transfer. , 2012, , .		7
10	Design of concurrent dual-band rectifier with harmonic signal control. , 2017, , .		7
11	152.6% Fractional Bandwidth UHF-to-Microwave Band Compact Rectifier Utilizing the Conditions for Flat Frequency Characteristics of RFâ€“DC Conversion Efficiency. IEEE Microwave and Wireless Components Letters, 2022, 32, 595-598.	3.2	6
12	Radiation characteristics of ultra-small wireless communication modules for 60GHz band WPAN. , 2008, , .		5
13	A 3-D radiation pattern measurement method for a 60-GHz-band WPAN phased array antenna. , 2012, , .		5
14	The C-band MPT rectifierusing a HEMT without bonding-wire connection for a space health monitoring system. , 2013, , .		5
15	Design of dual-band rectifier using microstrip spurline notch filter. , 2016, , .		5
16	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
17	Impact of symbol rate and roll-off factor on rectifier RF-DC conversion efficiency for WiCoPT system. , 2016, , .		4
18	Wide dynamic range rectifier circuit with sequential power delivery technique. , 2017, , .		4

#	Article	IF	Citations
19	C-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
20	A high-gain planar dipole antenna for 60-GHz band 3-D system-in-package modules. , 2011, , .		3
21	Hybrid semiconductor integrated recitifer for wireless power transmission into spacecraft. , 2017, , .		3
22	C-band energy harvester by Si RFICs with GaN diodes for microwave power transfer. , 2017, , .		3
23	60-GHz-band planar slot antenna using organic substrates for ultra-small WPAN modules. , 2010, , .		2
24	Cryogenic GaAs high gain and low-noise amplifier module for radio astronomy. , 2012, , .		2
25	7/8-GHz band 2×2 circular patch active integrated array antenna for solar sail applications. , 2013, , .		2
26	Hetero-plane beam synthesis using 60 GHz band 3-D phased array antenna module. , 2014, , .		2
27	The C-Band HySIC RF Energy Harvester Based on the Space Information, Communication and Energy Harvesting Technology. , 2018, , .		2
28	Smart Wireless Sensor System by Microwave Powering for Space-by-Wireless. , 2019, , .		2
29	The K-Band Communication Transmitter/Receiver Powered by the C-Band HySIC Energy Harvester with Multi-Sensors. , 2020, , .		2
30	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
31	A 60-GHz band WPAN transmitter module integrated with a planar dipole antenna using organic substrates and 3-D SiP technology. , 2011, , .		1
32	60GHz antenna integrated transmitter module. , 2012, , .		1
33	60-GHz band beam forming receiver RFIC for broadband communication phased array antenna module. , 2013, , .		1
34	A 60-GHz-band 2 x 4 planar dipole array antenna module fabricated by 3-D SiP technology. IOP Conference Series: Materials Science and Engineering, 2014, 61, 012036.	0.6	1
35	The 20 W C-band lightweight GaN HPA for wireless sensor and power transmission in a spacecraft. , 2014, , .		1
36	Short-range 4Ã—4 MIMO Wireless Communication and Power Transfer system. , 2016, , .		1

#	Article	IF	Citations
37	Wide dynamic range rectifier circuit with sequential power delivery technique. , 2017, , .		1
38	60 GHz Dual-Polarized 2â¨2 Phased Array Antenna Using Copper Ball Interconnection. , 2019, , .		1
39	60-GHz-Band Dipole Array Antenna Using Copper Balls Interconnection With Excavated Structure. , 2019, , .		1
40	Re â€Evaluation of a Dualâ€Feed Linear Polarized 2â€byâ€2 Circular Patch Array Antenna for 60â€GHzâ€Band Digital Beamforming Applications. IEEJ Transactions on Electrical and Electronic Engineering, 0, , .	1.4	1
41	Analysis and Optimization of GaN Diode Structure for High Power and High Efficiency Rectifier. , 2020, , .		1
42	5-GHz band 3-stacked meander line antenna using multi-layered organic substrates. , 2010, , .		0
43	The S-band multi-stage amplifier for single-tone and time-division microwave communication and power transmission. , 2013, , .		0
44	Evaluation of a C-band rectifier using Si substrate for HySIC application. , 2017, , .		0
45	Expansion Technique of the Beamforming Area for 60-GHz-Band Beamforming Array Antenna in Mobile Wireless Terminal Application. , 2021, , .		0
46	Experimental Evaluation of Hybrid Energy Harvester by Simultaneous Use of Solar Power Generation and Microwave Power Transmission. IEEJ Transactions on Industry Applications, 2018, 138, 615-622.	0.2	0
47	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