Shi Cheng

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/12100612/publications.pdf

Version: 2024-02-01

		759233	888059
22	1,335	12	17
papers	citations	h-index	g-index

23	23	23	1639
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Microfluidic electronics. Lab on A Chip, 2012, 12, 2782.	6.0	254
2	Liquid metal stretchable unbalanced loop antenna. Applied Physics Letters, 2009, 94, .	3.3	220
3	A Microfluidic, Reversibly Stretchable, Largeâ€Area Wireless Strain Sensor. Advanced Functional Materials, 2011, 21, 2282-2290.	14.9	188
4	Microfluidic stretchable RF electronics. Lab on A Chip, 2010, 10, 3227.	6.0	166
5	Foldable and Stretchable Liquid Metal Planar Inverted Cone Antenna. IEEE Transactions on Antennas and Propagation, 2009, 57, 3765-3771.	5.1	140
6	Printed Slot Planar Inverted Cone Antenna for Ultrawideband Applications. IEEE Antennas and Wireless Propagation Letters, 2008, 7, 18-21.	4.0	101
7	79 GHz Slot Antennas Based on Substrate Integrated Waveguides (SIW) in a Flexible Printed Circuit Board. IEEE Transactions on Antennas and Propagation, 2009, 57, 64-71.	5.1	95
8	Switched Beam Antenna Based on RF MEMS SPDT Switch on Quartz Substrate. IEEE Antennas and Wireless Propagation Letters, 2009, 8, 383-386.	4.0	37
9	Electrically Steerable Single-Layer Microstrip Traveling Wave Antenna With Varactor Diode Based Phase Shifters. IEEE Transactions on Antennas and Propagation, 2007, 55, 2451-2460.	5.1	36
10	Inkjet Printed Disposable Highâ€Rate Onâ€Paper Microsupercapacitors. Advanced Functional Materials, 2022, 32, 2108773.	14.9	36
11	Compact reflective microstrip phase shifter for traveling wave antenna applications. IEEE Microwave and Wireless Components Letters, 2006, 16, 431-433.	3.2	25
12	Broadband CMOS Millimeter-Wave Frequency Multiplier With Vivaldi Antenna in 3-D Chip-Scale Packaging. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 3761-3768.	4.6	12
13	Substrate Integrated Waveguides (SIWs) in a Flexible Printed Circuit Board for Millimeter-Wave Applications. Journal of Microelectromechanical Systems, 2009, 18, 154-162.	2.5	7
14	65-nm CMOS Monolithically Integrated Subterahertz Transmitter. IEEE Electron Device Letters, 2011, 32, 1182-1184.	3.9	7
15	Reverberation chamber for accurate antenna measurements within 2–30 GHz. , 2007, , .		3
16	Modified Planar Inverted Cone Antenna for Mobile Communication Handsets. IEEE Antennas and Wireless Propagation Letters, 2007, 6, 472-475.	4.0	2
17	Body Surface Backed Flexible Antennas for 17 GHz Wireless Body Area Networks Sensor Applications. , 2007, , .		2
18	Reduction of the Coupling to External Sources and Modes of Propagation by a Nearly Confocal Resonator. IEEE Transactions on Microwave Theory and Techniques, 2007, 55, 2257-2261.	4.6	2

#	Article	IF	Citations
19	Inverted-F Antenna for 3D Integrated Wireless Sensor Applications. , 2007, , .		1
20	Wireless Strain Monitoring: A Microfluidic, Reversibly Stretchable, Large-Area Wireless Strain Sensor (Adv. Funct. Mater. 12/2011). Advanced Functional Materials, 2011, 21, 2166-2166.	14.9	1
21	Elastomeric Electronics: A Microfluidic Approach. , 2012, , .		0
22	Microfluidics for Soft Electronics. , 2016, , .		0