Syed Umer Abbas Shah

List of Publications by Year
in descending order

19	441	759233 12	940533 16
papers	citations	h-index	g-index

19	19	19	360
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Micromachined Subterahertz Waveguide-Integrated Phase Shifter Utilizing Supermode Propagation. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 3219-3227.	4.6	17
2	Micromachined Silicon-Core Substrate-Integrated Waveguides at 220â€“330 GHz. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 5123-5131.	4.6	12
3	Silicon Micromachined D-Band Diplexer Using Releasable Filling Structure Technique. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 3448-3460.	4.6	30
4	Investigation of Fabrication Accuracy and Repeatability of High-Q Silicon-Micromachined Narrowband Sub-THz Waveguide Filters. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 3696-3706.	4.6	28
5	Ultra-Compact Micromachined Beam-Steering Antenna Front-End for High-Resolution Sub-Terahertz Radar. , 2019, , .		1
6	Silicon-Micromachined Waveguide Calibration Shims for Terahertz Frequencies. , 2019, , .		3
7	Toward Industrial Exploitation of THz Frequencies: Integration of SiGe MMICs in Silicon-Micromachined Waveguide Systems. IEEE Transactions on Terahertz Science and Technology, 2019, 9, 624-636.	3.1	31
8	Micromachined Filters at 450 GHz With 1% Fractional Bandwidth and Unloaded <italic>Q</italic> Beyond 700. IEEE Transactions on Terahertz Science and Technology, 2019, 9, 106-108.	3.1	36
9	Compact Silicon-Micromachined Wideband 220â€“330-GHz Turnstile Orthomode Transducer. IEEE Transactions on Terahertz Science and Technology, 2019, 9, 38-46.	3.1	35
10	A Very Low Loss 220â€“325 GHz Silicon Micromachined Waveguide Technology. IEEE Transactions on Terahertz Science and Technology, 2018, 8, 248-250.	3.1	63
11	Low-Loss, High-Linearity RF Interposers Enabled by Through Glass Vias. IEEE Microwave and Wireless Components Letters, 2018, 28, 960-962.	3.2	21
12	Low-Loss Silicon Micromachined Waveguides Above 100 GHz Utilising Multiple H-Plane Splits. , 2018, , .		1
13	A 500â€“750 GHz RF MEMS Waveguide Switch. IEEE Transactions on Terahertz Science and Technology, 2017, 7, 326-334.	3.1	49
14	Submillimeter-Wave 3.3-bit RF MEMS Phase Shifter Integrated in Micromachined Waveguide. IEEE Transactions on Terahertz Science and Technology, 2016, , 1-10.	3.1	37
15	High-Aspect-Ratio Through Silicon Vias for High-Frequency Application Fabricated by Magnetic Assembly of Gold-Coated Nickel Wires. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2015, 5, 21-27.	2.5	34
16	Analysis of Linearity Deterioration in Multidevice RF MEMS Circuits. IEEE Transactions on Electron Devices, 2014, 61, 1529-1535.	3.0	3
17	High-Directivity MEMS-Tunable Directional Couplers for 10â€“18-GHz Broadband Applications. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 3236-3246.	4.6	22
18	Multi-Position RF MEMS Tunable Capacitors Using Laterally Moving Sidewalls of 3-D Micromachined Transmission Lines. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 2340-2352.	4.6	10

#	Article	IF	Citations
19	MEMS reconfigurable millimeter-wave surface for V-band rectangular-waveguide switch. International Journal of Microwave and Wireless Technologies, 2013, 5, 341-349.	1.9	8