

Syed Umer Abbas Shah

List of Publications by Year in descending order

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papers

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19
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citing authors

#	ARTICLE	IF	CITATIONS
1	A Very Low Loss 220–325 GHz Silicon Micromachined Waveguide Technology. IEEE Transactions on Terahertz Science and Technology, 2018, 8, 248-250.	3.1	63
2	A 500–750 GHz RF MEMS Waveguide Switch. IEEE Transactions on Terahertz Science and Technology, 2017, 7, 326-334.	3.1	49
3	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
4	Micromachined Filters at 450 GHz With 1% Fractional Bandwidth and Unloaded Q; Beyond 700. IEEE Transactions on Terahertz Science and Technology, 2019, 9, 106-108.	3.1	36
5	Compact Silicon-Micromachined Wideband 220–330-GHz Turnstile Orthomode Transducer. IEEE Transactions on Terahertz Science and Technology, 2019, 9, 38-46.	3.1	35
6	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
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	Silicon Micromachined D-Band Diplexer Using Releasable Filling Structure Technique. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 3448-3460.	4.6	30
9	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
10	High-Directivity MEMS-Tunable Directional Couplers for 10–18-GHz Broadband Applications. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 3236-3246.	4.6	22
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	Micromachined Subterahertz Waveguide-Integrated Phase Shifter Utilizing Supermode Propagation. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 3219-3227.	4.6	17
13	Micromachined Silicon-Core Substrate-Integrated Waveguides at 220–330 GHz. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 5123-5131.	4.6	12
14	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
15	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
16	Analysis of Linearity Deterioration in Multidevice RF MEMS Circuits. IEEE Transactions on Electron Devices, 2014, 61, 1529-1535.	3.0	3
17	Silicon-Micromachined Waveguide Calibration Shims for Terahertz Frequencies. , 2019, , .		3
18	Low-Loss Silicon Micromachined Waveguides Above 100 GHz Utilising Multiple H-Plane Splits. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
19	Ultra-Compact Micromachined Beam-Steering Antenna Front-End for High-Resolution Sub-Terahertz Radar. , 2019, , .		1