Rashad Ramzan

List of Publications by Year
in descending order

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26	244	1163117 8	996975 15
papers	citations	h-index	g-index

27	27	27	208
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fano resonance based ultra high-contrast electromagnetic switch. Applied Physics Letters, 2017, 110, .	3.3	34
2	Slow Wave Applications of Electromagnetically Induced Transparency in Microstrip Resonator. Scientific Reports, 2018, 8, 2357.	3.3	33
3	A Non-Invasive Phase Sensor for Permittivity and Moisture Estimation Based on Anomalous Dispersion. Scientific Reports, 2016, 6, 28626.	3.3	31
4	A Complex Permittivity Extraction Method Based on Anomalous Dispersion. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 3787-3796.	4.6	27
5	Electromagnetically Induced Absorption in the Near-Field of Microwave Radiative Elements With Application to Foliage Moisture Sensing. IEEE Access, 2018, 6, 77859-77868.	4.2	18
6	2.4GHz WLAN RF energy harvester for passive indoor sensor nodes. , 2014, , .		14
7	Lorentz Reflect-Phase Detector for Moisture and Dielectric Sensing. IEEE Sensors Journal, 2018, 18, 9236-9242.	4.7	13
8	Fault Diagnostic Methodologies for Utility-Scale Photovoltaic Power Plants: A State of the Art Review. Sustainability, 2021, 13, 1629.	3.2	13
9	Intelligent Traffic Alert System for Smart Cities. , 2015, , .		12
10	Energy-Tunneling Dielectric Sensor Based on Substrate Integrated Waveguides. IEEE Sensors Journal, 2017, 17, 1264-1268.	4.7	12
11	Performance-Issues-Mitigation-Techniques for On-Chip-Antennas â€“ Recent Developments in RF, MM-Wave, and Thz Bands With Future Directions. IEEE Access, 2020, 8, 219577-219610.	4.2	7
12	Internet of Trees (IoTr) Implemented by Highly Dispersive Electromagnetic Sensors. IEEE Sensors Journal, 2020, , 1-1.	4.7	6
13	Energy Tunneling: A Way to Achieve Highly Sensitive Material Detection With Sub-Wavelength Resolution. IEEE Microwave Magazine, 2019, 20, 32-48.	0.8	4
14	Wave discrimination at C-band frequencies in microstrip structures inspired by electromagnetically induced transparency. Scientific Reports, 2021, 11, 2983.	3.3	4
15	SDR Based VNA for Characterization of RF Sensors and Circuits. , 2021, , .		3
16	An Online Novel Two-Layered Photovoltaic Fault Monitoring Technique Based Upon the Thermal Signatures. Sustainability, 2020, 12, 9607.	3.2	2
17	An Ultra-Sensitive Lorentz Microwave Sensor for Detection of Low-Permittivity Gaseous Water States and Sub-Wavelength Biosamples. IEEE Sensors Journal, 2021, 21, 26014-26022.	4.7	2
18	On-Chip Stimulus Generator for Gain, Linearity, and Blocking Profile Test of Wideband RF Front Ends. IEEE Transactions on Instrumentation and Measurement, 2010, 59, 2870-2876.	4.7	1

#	Article	IF	Citations
19	A Lumped Element Analog of Dual-Stub Microwave Electromagnetically Induced Transparency Resonator. , 2018, , .		1
20	A 2.6 mW Single-Ended Positive Feedback LNA for 5G Applications. , 2018, , .		1
21	An Online Novel Two-Layered Photovoltaic Fault Monitoring Technique Based Upon The Hybrid Parameters. , 2019, , .		1
22	Internet of Trees (IoTr): A Low-Cost Single Stub Lorentz Resonator For Plant Moisture Sensing. , 2021, , .		1
23	12-bit Sigma-Delta Modulator for Biomedical Wireless Applications. , 2021, , .		1
24	Green Self-Powered Air-Water Harvester. , 2021, , .		0
25	Three-Port Lorentz Resonance Based Permittivity Sensor and Microwave Comparator. , 2021, , .		0
26	A Self-Calibrated Plant Water Estimation Sensor. , 2021, , .		0