

Imran M Saied

List of Publications by Year in descending order

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21
times ranked

212
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement of whole-brain atrophy progression using microwave signal analysis. Biomedical Signal Processing and Control, 2022, 71, 103083.	5.7	10
2	Classification of Alzheimer's Disease Using RF Signals and Machine Learning. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2022, 6, 77-85.	3.4	16
3	Experimental radar data for monitoring brain atrophy progression. Data in Brief, 2022, 43, 108379.	1.0	1
4	Hardware Accelerator for Wearable and Portable Radar-Based Microwave Breast Imaging Systems. , 2021, , .		2
5	Big Data-Machine Learning Processing of Recorded Radiofrequency Physiological and Pathological Measurements to Predict the Progression of Alzheimer's Disease. , 2021, , .		2
6	A Graphene-based Microstrip Antenna Array for Neurodegenerative Disease Monitoring. , 2021, , .		1
7	Noninvasive Wearable RF Device Towards Monitoring Brain Atrophy and Lateral Ventricle Enlargement. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2020, 4, 61-68.	3.4	28
8	Non-Invasive RF Technique for Detecting Different Stages of Alzheimer's Disease and Imaging Beta-Amyloid Plaques and Tau Tangles in the Brain. IEEE Transactions on Medical Imaging, 2020, 39, 4060-4070.	8.9	20
9	High Gas Void Fraction Flow Measurement and Imaging Using a THz-Based Device. IEEE Transactions on Terahertz Science and Technology, 2019, 9, 659-668.	3.1	11
10	Design of a Triangular Slotted Parasitic Yagi-Uda Antenna for Underwater Linear Sensor Network. , 2019, , .		0
11	Dielectric Measurements of Brain Tissues with Alzheimer's Disease Pathology in the Microwave Region. , 2019, , .		8
12	Microwave Imaging Algorithm for Detecting Brain Disorders. , 2019, , .		8
13	Portable and Wearable Device for Microwave Head Diagnostic Systems. , 2019, , .		1
14	Integrated Flexible Hybrid Silicone-Textile Dual-Resonant Sensors and Switching Circuit for Wearable Neurodegeneration Monitoring Systems. IEEE Transactions on Biomedical Circuits and Systems, 2019, 13, 1304-1312.	4.0	24
15	A New FPGA-Based Terahertz Imaging Device for Multiphase Flow Metering. IEEE Transactions on Terahertz Science and Technology, 2018, 8, 418-426.	3.1	14
16	Real-Time Two-Dimensional Imaging of Solid Contaminants in Gas Pipelines Using an Electrical Capacitance Tomography System. IEEE Transactions on Industrial Electronics, 2017, 64, 3989-3996.	7.9	50
17	Terahertz Spectroscopy for Measuring Multiphase Fractions. IEEE Transactions on Terahertz Science and Technology, 2017, 7, 250-259.	3.1	16
18	A New Imaging System for Real-Time Process Control. IEEE Sensors Journal, 2017, 17, 3844-3852.	4.7	1

#	ARTICLE	IF	CITATIONS
19	A Hybrid System for Measuring Solid and Liquid Contaminants in Steam Generators. IEEE Transactions on Industrial Electronics, 2017, 64, 6549-6555.	7.9	6
20	Analysis of an electrical charge tomography system for measuring low concentrations in two phase flow fluids. , 2016, , .		0
21	Electronic hardware design of electrical capacitance tomography systems. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150331.	3.4	25