

Imran M Saied

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2492452/publications.pdf>

Version: 2024-02-01

21
papers

244
citations

1040056

9
h-index

1125743

13
g-index

21
all docs

21
docs citations

21
times ranked

212
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Electronic hardware design of electrical capacitance tomography systems. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150331.	3.4	25
4	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
5	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
6	Terahertz Spectroscopy for Measuring Multiphase Fractions. IEEE Transactions on Terahertz Science and Technology, 2017, 7, 250-259.	3.1	16
7	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
8	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
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	Measurement of whole-brain atrophy progression using microwave signal analysis. Biomedical Signal Processing and Control, 2022, 71, 103083.	5.7	10
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	A Hybrid System for Measuring Solid and Liquid Contaminants in Steam Generators. IEEE Transactions on Industrial Electronics, 2017, 64, 6549-6555.	7.9	6
14	Hardware Accelerator for Wearable and Portable Radar-Based Microwave Breast Imaging Systems. , 2021, , .		2
15	Big Data-Machine Learning Processing of Recorded Radiofrequency Physiological and Pathological Measurements to Predict the Progression of Alzheimer's Disease. , 2021, , .		2
16	A New Imaging System for Real-Time Process Control. IEEE Sensors Journal, 2017, 17, 3844-3852.	4.7	1
17	Portable and Wearable Device for Microwave Head Diagnostic Systems. , 2019, , .		1
18	A Graphene-based Microstrip Antenna Array for Neurodegenerative Disease Monitoring. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
19	Experimental radar data for monitoring brain atrophy progression. Data in Brief, 2022, 43, 108379.	1.0	1
20	Analysis of an electrical charge tomography system for measuring low concentrations in two phase flow fluids. , 2016, , .		0
21	Design of a Triangular Slotted Parasitic Yagi-Uda Antenna for Underwater Linear Sensor Network. , 2019, , .		0