

Maryam Ravan

List of Publications by Year in descending order

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45
papers

743
citations

623734

14
h-index

580821

25
g-index

47
all docs

47
docs citations

47
times ranked

558
citing authors

#	ARTICLE	IF	CITATIONS
1	Wearable Inductive Sensing of the Arm Joint: Comparison of Three Sensing Configurations. Magnetism, 2022, 2, 195-210.	1.5	5
2	Quantitative Defect Size Evaluation in Fluid-Carrying Nonmetallic Pipes. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 4071-4081.	4.6	7
3	Advanced Signal Processing Methods for Characterization of Schizophrenia. IEEE Transactions on Biomedical Engineering, 2021, 68, 1123-1130.	4.2	15
4	Diagnosing Schizophrenia Using Effective Connectivity of Resting-State EEG Data. Algorithms, 2021, 14, 139.	2.1	12
5	Fast, Robust, and Low-Cost Microwave Imaging of Multiple Non-Metallic Pipes. Electronics (Switzerland), 2021, 10, 1762.	3.1	8
6	Electromagnetic Induction Imaging at Multiple Depths With a Single Coil. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	4.7	4
7	Holographic Near-Field Microwave Imaging With Antenna Arrays in a Cylindrical Setup. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 418-430.	4.6	14
8	Fast and Robust Capacitive Imaging of Cylindrical Non-Metallic Media. Magnetism, 2021, 1, 60-69.	1.5	0
9	Quantitative biomarkers to predict response to clozapine treatment using resting EEG data. Schizophrenia Research, 2020, 223, 289-296.	2.0	8
10	Microwave Holographic Imaging of Nonmetallic Concentric Pipes. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 7594-7605.	4.7	14
11	Material Identification Using a Microwave Sensor Array and Machine Learning. Electronics (Switzerland), 2020, 9, 288.	3.1	10
12	Nondestructive Testing of Nonmetallic Pipes Using Wideband Microwave Measurements. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 1763-1772.	4.6	20
13	Electromagnetic Induction Imaging of Metallic Objects at Multiple Depths. IEEE Magnetics Letters, 2020, 11, 1-5.	1.1	3
14	A Machine Learning Approach Using Effective Connectivity to Predict Response to Clozapine Treatment. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 2598-2607.	4.9	12
15	Investigating the Effect of Short Term Responsive VNS Therapy on Sleep Quality Using Automatic Sleep Staging. IEEE Transactions on Biomedical Engineering, 2019, 66, 3301-3309.	4.2	17
16	Three-dimensional holographic imaging using data collected over cylindrical apertures. Microwave and Optical Technology Letters, 2019, 61, 907-911.	1.4	8
17	A machine learning approach using EEG signals to measure sleep quality. AIMS Electronics and Electrical Engineering, 2019, 3, 347-358.	1.5	8
18	Computational 3D Imaging of Tissues Using Single Frequency Microwave Data. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
19	Near-Field Holographic Microwave Imaging Using Data Collected Over Cylindrical Apertures. , 2018, , .		5
20	Three-Dimensional Holographic Imaging Using Single Frequency Microwave Data. International Journal of Antennas and Propagation, 2018, 2018, 1-14.	1.2	15
21	On Quantitative Biomarkers of VNS Therapy Using EEG and ECG Signals. IEEE Transactions on Biomedical Engineering, 2017, 64, 419-428.	4.2	28
22	Investigating the correlation between short-term effectiveness of VNS Therapy in reducing the severity of seizures and long-term responsiveness. Epilepsy Research, 2017, 133, 46-53.	1.6	22
23	Fast fully adaptive processing: a multistage STAP approach. IEEE Transactions on Aerospace and Electronic Systems, 2016, 52, 2168-2183.	4.7	13
24	A machine learning approach using auditory odd-ball responses to investigate the effect of Clozapine therapy. Clinical Neurophysiology, 2015, 126, 721-730.	1.5	31
25	Joint waveform optimization and adaptive processing for random-phase radar signals. , 2014, , .		3
26	Minimum Variance Brain Source Localization for Short Data Sequences. IEEE Transactions on Biomedical Engineering, 2014, 61, 535-546.	4.2	11
27	A Fuzzy Learning Approach for Identification of Arbitrary Crack Profiles Using ACFM Technique. IEEE Transactions on Magnetics, 2013, 49, 5016-5027.	2.1	28
28	Modeling the received signal for the Canadian over-the-horizon-radar. , 2013, , .		3
29	Three-Dimensional Microwave Holographic Imaging Employing Forward-Scattered Waves Only. International Journal of Antennas and Propagation, 2013, 2013, 1-15.	1.2	25
30	A machine learning approach using P300 responses to investigate effect of clozapine therapy. , 2012, 2012, 5911-4.		5
31	Errata to "Three-Dimensional Near-Field Microwave Holography Using Reflected and Transmitted Signals" [Dec 11 4777-4789]. IEEE Transactions on Antennas and Propagation, 2012, 60, 425-425.	5.1	0
32	Ionospheric clutter model for high frequency surface wave radar. , 2012, , .		4
33	Robust STAP for HFSWR in dense target scenarios with nonhomogeneous clutter. , 2012, , .		2
34	Three-Dimensional Near-Field Microwave Holography Using Reflected and Transmitted Signals. IEEE Transactions on Antennas and Propagation, 2011, 59, 4777-4789.	5.1	89
35	A machine learning approach for distinguishing age of infants using auditory evoked potentials. Clinical Neurophysiology, 2011, 122, 2139-2150.	1.5	24
36	Speech recognition from adaptive windowing PSD estimation. , 2011, , .		1

#	ARTICLE	IF	CITATIONS
37	MIMO fast fully adaptive processing in Over-the-Horizon Radar. , 2011, , .		8
38	Sizing of 3-D Arbitrary Defects Using Magnetic Flux Leakage Measurements. IEEE Transactions on Magnetics, 2010, 46, 1024-1033.	2.1	100
39	Two-dimensional near-field microwave holography. Inverse Problems, 2010, 26, 055011.	2.0	45
40	Near-field microwave holographic imaging: Target localization and resolution study. , 2010, , .		3
41	Microwave imaging for breast cancer diagnosis based on planar aperture scanning. , 2010, , .		0
42	Near-field microwave imaging based on planar aperture scanning. , 2010, , .		6
43	Canadian HF Over-the-Horizon Radar experiments using MIMO techniques to control auroral clutter. , 2010, , .		30
44	Using AC field measurement data at an arbitrary liftoff distance to size long surface-breaking cracks in ferrous metals. NDT and E International, 2008, 41, 169-177.	3.7	25
45	Removal of Probe Liftoff Effects on Crack Detection and Sizing in Metals by the AC Field Measurement Technique. IEEE Transactions on Magnetics, 2008, 44, 2066-2073.	2.1	29