

# Mohammad Asefi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7196169/publications.pdf>

Version: 2024-02-01

27  
papers

386  
citations

687363

13  
h-index

940533

16  
g-index

27  
all docs

27  
docs citations

27  
times ranked

237  
citing authors

#	ARTICLE	IF	CITATIONS
1	Imaging and Calibration of Electromagnetic Inversion Data With a Single Data Set. IEEE Open Journal of Antennas and Propagation, 2022, 3, 12-23.	3.7	4
2	An Integrated Microwave-Ultrasound Breast Imaging System: Initial Phantom Results. , 2022, , .		2
3	A Machine Learning Workflow for Tumour Detection in Breasts Using 3D Microwave Imaging. Electronics (Switzerland), 2021, 10, 674.	3.1	9
4	Ferrite Loaded Shielded Half Loop Antenna for Electromagnetic Imaging inside Metallic Chambers. , 2021, , .		2
5	Recovery of Prior Information for Breast Microwave Imaging Using Neural Networks. , 2021, , .		0
6	Full 3D Microwave Breast Imaging Using a Deep-Learning Technique. Journal of Imaging, 2020, 6, 80.	3.0	36
7	Innovations in Electromagnetic Imaging Technology: The Stored-Grain-Monitoring Case. IEEE Antennas and Propagation Magazine, 2020, 62, 33-42.	1.4	32
8	Phaseless Parametric Inversion for System Calibration and Obtaining Prior Information. IEEE Access, 2019, 7, 128735-128745.	4.2	17
9	Hybridizable Discontinuous Galerkin Method Contrast Source Inversion of 2-D and 3-D Dielectric and Magnetic Targets. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 1766-1777.	4.6	21
10	An Experimental Phantom Study for Air-Based Quasi-Resonant Microwave Breast Imaging. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 3946-3954.	4.6	34
11	Three dimensional radio-frequency electromagnetic imaging of an in-bin grain conditioning process. Computers and Electronics in Agriculture, 2019, 167, 105059.	7.7	11
12	Use of Field-Perturbing Elements to Increase Nonredundant Data for Microwave Imaging Systems. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 3172-3179.	4.6	13
13	Modeling Error and Calibration Techniques for a Faceted Metallic Chamber for Magnetic Field Microwave Imaging. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 4347-4356.	4.6	23
14	Industrial scale electromagnetic grain bin monitoring. Computers and Electronics in Agriculture, 2017, 136, 210-220.	7.7	38
15	Microwave Imaging Using Normal Electric-Field Components Inside Metallic Resonant Chambers. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 923-933.	4.6	24
16	Detection and continuous monitoring of localised high-moisture regions in a full-scale grain storage bin using electromagnetic imaging. Biosystems Engineering, 2017, 163, 37-49.	4.3	26
17	A faceted magnetic field probe resonant chamber for 3D breast MWI: A synthetic study. , 2016, , .		5
18	Surface-Current Measurements as Data for Electromagnetic Imaging Within Metallic Enclosures. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 4039-4047.	4.6	21

#	ARTICLE	IF	CITATIONS
19	On the development of a clinical full-vectorial 3D microwave breast imaging system. , 2015, , .		0
20	A water-based 3-D breast imaging system: Modelling and use of prior information. , 2015, , .		0
21	Grain bin monitoring via electromagnetic imaging. Computers and Electronics in Agriculture, 2015, 119, 133-141.	7.7	43
22	Electromagnetic imaging inside metallic enclosures using the normal boundary field components. , 2014, , .		2
23	Grain bin monitoring via microwave imaging. , 2014, , .		1
24	A 3-D Dual-Polarized Near-Field Microwave Imaging System. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 1790-1797.	4.6	15
25	An MST-based microwave tomography system using homodyne receiver. , 2013, , .		2
26	A novel 3D near-field microwave imaging system. , 2013, , .		1
27	Analysis of a 3D microwave imaging system. , 2013, , .		4