

Mohammad Asefi

List of Publications by Year in descending order

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27
docs citations

27
times ranked

237
citing authors

#	ARTICLE	IF	CITATIONS
1	Grain bin monitoring via electromagnetic imaging. Computers and Electronics in Agriculture, 2015, 119, 133-141.	7.7	43
2	Industrial scale electromagnetic grain bin monitoring. Computers and Electronics in Agriculture, 2017, 136, 210-220.	7.7	38
3	Full 3D Microwave Breast Imaging Using a Deep-Learning Technique. Journal of Imaging, 2020, 6, 80.	3.0	36
4	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
5	Innovations in Electromagnetic Imaging Technology: The Stored-Grain-Monitoring Case. IEEE Antennas and Propagation Magazine, 2020, 62, 33-42.	1.4	32
6	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
7	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
8	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
9	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
10	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
11	Phaseless Parametric Inversion for System Calibration and Obtaining Prior Information. IEEE Access, 2019, 7, 128735-128745.	4.2	17
12	A 3-D Dual-Polarized Near-Field Microwave Imaging System. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 1790-1797.	4.6	15
13	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
14	Three dimensional radio-frequency electromagnetic imaging of an in-bin grain conditioning process. Computers and Electronics in Agriculture, 2019, 167, 105059.	7.7	11
15	A Machine Learning Workflow for Tumour Detection in Breasts Using 3D Microwave Imaging. Electronics (Switzerland), 2021, 10, 674.	3.1	9
16	A faceted magnetic field probe resonant chamber for 3D breast MWI: A synthetic study. , 2016, , .		5
17	Analysis of a 3D microwave imaging system. , 2013, , .		4
18	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

#	ARTICLE	IF	CITATIONS
19	An MST-based microwave tomography system using homodyne receiver. , 2013, , .		2
20	Electromagnetic imaging inside metallic enclosures using the normal boundary field components. , 2014, , .		2
21	Ferrite Loaded Shielded Half Loop Antenna for Electromagnetic Imaging inside Metallic Chambers. , 2021, , .		2
22	An Integrated Microwave-Ultrasound Breast Imaging System: Initial Phantom Results. , 2022, , .		2
23	A novel 3D near-field microwave imaging system. , 2013, , .		1
24	Grain bin monitoring via microwave imaging. , 2014, , .		1
25	On the development of a clinical full-vectorial 3D microwave breast imaging system. , 2015, , .		0
26	A water-based 3-D breast imaging system: Modelling and use of prior information. , 2015, , .		0
27	Recovery of Prior Information for Breast Microwave Imaging Using Neural Networks. , 2021, , .		0