

Zulkarnay Zakaria

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

205
citations

1684188

5
h-index

1281871

11
g-index

40
all docs

40
docs citations

40
times ranked

192
citing authors

#	ARTICLE	IF	CITATIONS
1	Advancements in Transmitters and Sensors for Biological Tissue Imaging in Magnetic Induction Tomography. <i>Sensors</i> , 2012, 12, 7126-7156.	3.8	60
2	Design and Development of Fuzzy Expert System for Diagnosis of Hypertension. , 2011, , .		34
3	Ultrasonic tomography imaging simulation of two-phase homogeneous flow. <i>Sensor Review</i> , 2009, 29, 266-276.	1.8	15
4	Simulation of magnetic flux leakage (MFL) analysis using FEMM software. , 2010, , .		9
5	Magnetic Induction Tomography: A Brief Review. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015, 73, .	0.4	8
6	Synthesis and characterization of bioceramic from Malaysian cockle shell. , 2010, , .		7
7	Detection of small gas bubble using ultrasonic transmission-mode tomography system. , 2010, , .		7
8	Characterization of calcium phosphate bioceramic from <i>Paphia undulata</i> shells. , 2012, , .		7
9	Evaluation on the Sensitivity of Tri-Coil Sensor Jig for 3D Image Reconstruction in Magnetic Induction Tomography. , 2013, , .		7
10	A Study on Forward and Inverse Problems for an Ultrasonic Tomography. <i>Jurnal Teknologi (Sciences) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5</i>	0.4	7
11	A Review of Tomography System. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2013, 64, .	0.4	6
12	Magnetic Induction Tomography: Receiver Circuit and Its Design Criteria. <i>Jurnal Teknologi (Sciences) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5</i>	0.4	5
13	Simulation study on size and location identification of tumors in liver tissue through eddy current distribution analysis. , 2012, , .		4
14	Initial results on magnetic induction tomography hardware measurement using hall effect sensor application. , 2010, , .		3
15	Performance Comparisons of New Excitation Coil Design Aspects in Magnetic Induction Tomography (MIT) Applications. , 2011, , .		3
16	Simulation of Single Channel Magnetic Induction Spectroscopy for Fetal Hypoxia Detection. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015, 73, .	0.4	3
17	A Review on Magnetic Induction Spectroscopy Potential for Fetal Acidosis Examination. <i>Sensors</i> , 2022, 22, 1334.	3.8	3
18	Sinogram concept approach in image reconstruction algorithm of a Computed Tomography System using MATLAB. , 2010, , .		2

#	ARTICLE	IF	CITATIONS
19	Simulation of electromagnetic field (EM) focusing capability on biological tissue through the application of C-type excitation coil screen. , 2012, , .	0.4	2
20	Study of the Effect of Brightness After Penetration of Light from a Lens. Jurnal Teknologi (Sciences) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.4	2
21	3D model simulation on magnetic induction spectroscopy for fetal acidosis detection using COMSOL multiphysics. AIP Conference Proceedings, 2016, , .	0.4	2
22	The effect of parallel projection towards image performance. , 2011, , .		1
23	Initial Results On Medium Frequency Electromagnetic Field Penetration In Biological Soft Tissue. Jurnal Teknologi (Sciences and Engineering), 2012, , .	0.4	1
24	Study of Electric Field an Magnetic Field Affected Biological Cells. Jurnal Teknologi (Sciences and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.4	1
25	SENSITIVITY MAPS RECONSTRUCTION FOR MAGNETIC INDUCTION TOMOGRAPHY MODALITY USING EXPERIMENTAL TECHNIQUE. Jurnal Teknologi (Sciences and Engineering), 2015, 77, .	0.4	1
26	Jaundice Assesment of Newborn Baby: A Short Review on Kramelâ€™s Rule and Magnetic Induction Spectroscopy. Jurnal Teknologi (Sciences and Engineering), 2015, 73, .	0.4	1
27	DESIGN OF FLEXIBLE ELECTRICAL CAPACITANCE TOMOGRAPHY SENSOR. Jurnal Teknologi (Sciences and) Tj ETQq1 1 0.784314 rgBT /	0.4	1
28	A REVIEW OF NON-INVASIVE IMAGING: THE OPPORTUNITY OF MAGNETIC INDUCTION TOMOGRAPHY MODALITY IN AGARWOOD INDUSTRY. Jurnal Teknologi (Sciences and Engineering), 2015, 77, .	0.4	1
29	Dielectric spectroscopy technique for carbohydrate characterization of fragrant rice, brown rice and white rice. , 2017, , .		1
30	An Overview of Medical Applications in Meningitis Detection. IOP Conference Series: Materials Science and Engineering, 2020, 864, 012156.	0.6	1
31	Measurement of the Content of Water Using Light Penetration. Jurnal Teknologi (Sciences and) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	0.4	0
32	Gas Hold-Up Profiles Determination by means of Ultrasonic Transducer. Jurnal Teknologi (Sciences) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.4	0
33	Fundamental Sensor Development in Electrical Resistance Tomography. Jurnal Teknologi (Sciences and) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	0.4	0
34	THE OPPORTUNITY OF MAGNETIC INDUCTION TOMOGRAPHY MODALITY IN BREAST CANCER DETECTION. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.4	0
35	Single Channel Magnetic Induction Measurement for Meningitis Detection. Lecture Notes in Mechanical Engineering, 2021, , 187-206.	0.4	0
36	Simulative Study of Two-Phase Homogenous and Isotropic Media Imaging using Magnetic Induction Tomography. Jurnal Teknologi (Sciences and Engineering), 2014, 69, .	0.4	0

#	ARTICLE	IF	CITATIONS
37	SIMULATIVE STUDIES ON ULTRASOUND INTERACTIONS FOR STEEL PIPE TRANSMISSION. Jurnal Teknologi (Sciences and Engineering), 2015, 77, .	0.4	0
38	SINGLE CHANNEL MAGNETIC INDUCTION SPECTROSCOPY TECHNIQUE FOR FETAL ACIDOSIS DETECTION. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.4	0
39	Study of Eddy Current Density Distribution in a Contactless Breast Cancer Detection Mechanism Using Magnetic Induction Spectroscopy. Lecture Notes in Electrical Engineering, 2017, , 89-94.	0.4	0
40	Simulation of Single Channel Magnetic Induction Tomography for Meningitis Detection By Using COMSOL Multiphysics. Journal of Physics: Conference Series, 2021, 2071, 012039.	0.4	0