

# Ruzairi Abdul Rahim

## List of Publications by Year in descending order

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43  
papers

849  
citations

567281

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477307

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43  
all docs

43  
docs citations

43  
times ranked

754  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Review on Magnetic Induction Spectroscopy Potential for Fetal Acidosis Examination. Sensors, 2022, 22, 1334.	3.8	3
2	Single Channel Magnetic Induction Measurement for Meningitis Detection. Lecture Notes in Mechanical Engineering, 2021, , 187-206.	0.4	0
3	Online simulation to monitor multiphase flow using laser source as transmitter. Optik, 2021, 228, 166178.	2.9	1
4	Optimisation of Sensor Electrode Size for in Electrical Resistance Tomography Implementing Conducting Boundary Strategy. Journal of Physics: Conference Series, 2021, 1874, 012077.	0.4	0
5	CCD Optical Tomography System to Detect Solid Contamination in Crystal-Clear Water. IEEE Transactions on Industrial Electronics, 2020, 67, 3248-3256.	7.9	5
6	Electrical Potential Study of Single and Segmented Excitation for Planar Electrical Capacitance Tomography. , 2019, , .		0
7	Optimisation of electrode dimensions of ERT for non-invasive measurement applied for static liquidâ€™gas regime identification. Sensors and Actuators A: Physical, 2018, 270, 50-64.	4.1	16
8	Charge-coupled device based on optical tomography system in detecting solid and transparent objects in non-flowing crystal clear water. Optik, 2017, 131, 813-825.	2.9	2
9	Optical tomography verification for single and mixed modalities. Sensors and Actuators A: Physical, 2017, 253, 10-26.	4.1	1
10	Digitalization of linear back projection algorithm for FPGA implementation. , 2016, , .		1
11	3D model simulation on magnetic induction spectroscopy for fetal acidosis detection using COMSOL multiphysics. AIP Conference Proceedings, 2016, , .	0.4	2
12	Design of non-destructive test on gold metal using parallel plate capacitance sensor: A conceptual framework. , 2016, , .		0
13	Charge coupled device based on optical tomography system in detecting air bubbles in crystal clear water. Flow Measurement and Instrumentation, 2016, 50, 13-25.	2.0	10
14	Process tomography of gas-liquid flow in a vessel: a review. Sensor Review, 2016, 36, 287-302.	1.8	16
15	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
16	AN INITIAL STUDY ON A NON-INVASIVE ULTRASONIC TOMOGRAPHY FOR GLASS FIBRE REINFORCED EPOXY (GFRE) COMPOSITES PIPE. Jurnal Teknologi (Sciences and Engineering), 2015, 77, .	0.4	0
17	Magnetic Induction Tomography: A Brief Review. Jurnal Teknologi (Sciences and Engineering), 2015, 73, .	0.4	8
18	Non-invasive process tomography in chemical mixtures â€™ A review. Sensors and Actuators B: Chemical, 2015, 210, 602-617.	7.8	88

#	ARTICLE	IF	CITATIONS
19	Role of feed-in tariff policy in promoting solar photovoltaic investments in Malaysia: A system dynamics approach. Energy, 2015, 84, 808-815.	8.8	71
20	Application Study on Bubble Detection in a Metallic Bubble Column Using Electrical Resistance Tomography. Jurnal Teknologi (Sciences and Engineering), 2014, 69, .	0.4	1
21	Electrical resistance tomography: A review of the application of conducting vessel walls. Powder Technology, 2014, 254, 256-264.	4.2	45
22	Mirror symmetrical dielectric totally internally reflecting concentrator for building integrated photovoltaic systems. Applied Energy, 2014, 113, 32-40.	10.1	76
23	Rotationally asymmetrical compound parabolic concentrator for concentrating photovoltaic applications. Applied Energy, 2014, 136, 363-372.	10.1	45
24	Feed-in tariff for solar photovoltaic: The rise of Japan. Renewable Energy, 2014, 68, 636-643.	8.9	77
25	Progress of feed-in tariff in Malaysia: A year after. Energy Policy, 2014, 67, 618-625.	8.8	36
26	Evaluation on the Sensitivity of Tri-Coil Sensor Jig for 3D Image Reconstruction in Magnetic Induction Tomography. , 2013, , .		7
27	Optical tomography: Image improvement using mixed projection of parallel and fan beam modes. Measurement: Journal of the International Measurement Confederation, 2013, 46, 1970-1978.	5.0	7
28	Performance analysis of a mirror symmetrical dielectric totally internally reflecting concentrator for building integrated photovoltaic systems. Applied Energy, 2013, 111, 288-299.	10.1	39
29	Design procedure of ultrasonic tomography system with steel pipe conveyor. Sensors and Actuators A: Physical, 2013, 203, 215-224.	4.1	24
30	Rotationally asymmetric optical concentrators for solar PV and BIPV systems. , 2013, , .		3
31	Hardware Design of Laser Optical Tomography System for Detection of Bubbles Column. Jurnal Teknologi (Sciences and Engineering), 2013, 64, .	0.4	4
32	Magnetic Induction Tomography: Receiver Circuit and Its Design Criteria. Jurnal Teknologi (Sciences) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.4	5
33	Comparison Between Two Different Types of Microcontroller in Developing Optical Tomography Controller Unit. Jurnal Teknologi (Sciences and Engineering), 2013, 64, .	0.4	3
34	Advancements in Transmitters and Sensors for Biological Tissue Imaging in Magnetic Induction Tomography. Sensors, 2012, 12, 7126-7156.	3.8	60
35	Novel Adjacent Criterion Method for Improving Ultrasonic Imaging Spatial Resolution. IEEE Sensors Journal, 2012, 12, 1746-1747.	4.7	14
36	Optical tomography: Velocity profile measurement using orthogonal and rectilinear arrangements. Flow Measurement and Instrumentation, 2012, 23, 49-55.	2.0	12

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37	Mathematical modelling of gas bubbles and oil droplets in liquid media using optical linear path projection. <i>Flow Measurement and Instrumentation</i> , 2010, 21, 388-393.	2.0	5
38	Detection of small gas bubble using ultrasonic transmission-mode tomography system. , 2010, , .		7
39	The Front-End Hardware Design Issue in Ultrasonic Tomography. <i>IEEE Sensors Journal</i> , 2010, 10, 1276-1281.	4.7	24
40	Ultrasonic tomography imaging simulation of two-phase homogeneous flow. <i>Sensor Review</i> , 2009, 29, 266-276.	1.8	15
41	Embedded system based optical tomography: the concentration profile. <i>Sensor Review</i> , 2009, 29, 54-62.	1.8	8
42	Ultrasonic Transmission-Mode Tomography Imaging for Liquid/Gas Two-Phase Flow. <i>IEEE Sensors Journal</i> , 2006, 6, 1706-1715.	4.7	79
43	Optical tomography sensor configuration using two orthogonal and two rectilinear projection arrays. <i>Flow Measurement and Instrumentation</i> , 2005, 16, 327-340.	2.0	28