

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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g-index

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all docs

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docs citations

43
times ranked

754
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-invasive process tomography in chemical mixtures – A review. <i>Sensors and Actuators B: Chemical</i> , 2015, 210, 602-617.	7.8	88
2	Ultrasonic Transmission-Mode Tomography Imaging for Liquid/Gas Two-Phase Flow. <i>IEEE Sensors Journal</i> , 2006, 6, 1706-1715.	4.7	79
3	Feed-in tariff for solar photovoltaic: The rise of Japan. <i>Renewable Energy</i> , 2014, 68, 636-643.	8.9	77
4	Mirror symmetrical dielectric totally internally reflecting concentrator for building integrated photovoltaic systems. <i>Applied Energy</i> , 2014, 113, 32-40.	10.1	76
5	Role of feed-in tariff policy in promoting solar photovoltaic investments in Malaysia: A system dynamics approach. <i>Energy</i> , 2015, 84, 808-815.	8.8	71
6	Advancements in Transmitters and Sensors for Biological Tissue Imaging in Magnetic Induction Tomography. <i>Sensors</i> , 2012, 12, 7126-7156.	3.8	60
7	Electrical resistance tomography: A review of the application of conducting vessel walls. <i>Powder Technology</i> , 2014, 254, 256-264.	4.2	45
8	Rotationally asymmetrical compound parabolic concentrator for concentrating photovoltaic applications. <i>Applied Energy</i> , 2014, 136, 363-372.	10.1	45
9	Performance analysis of a mirror symmetrical dielectric totally internally reflecting concentrator for building integrated photovoltaic systems. <i>Applied Energy</i> , 2013, 111, 288-299.	10.1	39
10	Progress of feed-in tariff in Malaysia: A year after. <i>Energy Policy</i> , 2014, 67, 618-625.	8.8	36
11	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
12	The Front-End Hardware Design Issue in Ultrasonic Tomography. <i>IEEE Sensors Journal</i> , 2010, 10, 1276-1281.	4.7	24
13	Design procedure of ultrasonic tomography system with steel pipe conveyor. <i>Sensors and Actuators A: Physical</i> , 2013, 203, 215-224.	4.1	24
14	Process tomography of gas-liquid flow in a vessel: a review. <i>Sensor Review</i> , 2016, 36, 287-302.	1.8	16
15	Optimisation of electrode dimensions of ERT for non-invasive measurement applied for static liquid-gas regime identification. <i>Sensors and Actuators A: Physical</i> , 2018, 270, 50-64.	4.1	16
16	Ultrasonic tomography imaging simulation of two-phase homogeneous flow. <i>Sensor Review</i> , 2009, 29, 266-276.	1.8	15
17	Novel Adjacent Criterion Method for Improving Ultrasonic Imaging Spatial Resolution. <i>IEEE Sensors Journal</i> , 2012, 12, 1746-1747.	4.7	14
18	Optical tomography: Velocity profile measurement using orthogonal and rectilinear arrangements. <i>Flow Measurement and Instrumentation</i> , 2012, 23, 49-55.	2.0	12

#	ARTICLE	IF	CITATIONS
19	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
20	Embedded system based optical tomography: the concentration profile. Sensor Review, 2009, 29, 54-62.	1.8	8
21	Magnetic Induction Tomography: A Brief Review. Jurnal Teknologi (Sciences and Engineering), 2015, 73, .	0.4	8
22	Detection of small gas bubble using ultrasonic transmission-mode tomography system. , 2010, , .		7
23	Evaluation on the Sensitivity of Tri-Coil Sensor Jig for 3D Image Reconstruction in Magnetic Induction Tomography. , 2013, , .		7
24	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
25	Mathematical modelling of gas bubbles and oil droplets in liquid media using optical linear path projection. Flow Measurement and Instrumentation, 2010, 21, 388-393.	2.0	5
26	Magnetic Induction Tomography: Receiver Circuit and Its Design Criteria. Jurnal Teknologi (Sciences) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	6.4	5
27	CCD Optical Tomography System to Detect Solid Contamination in Crystal-Clear Water. IEEE Transactions on Industrial Electronics, 2020, 67, 3248-3256.	7.9	5
28	Hardware Design of Laser Optical Tomography System for Detection of Bubbles Column. Jurnal Teknologi (Sciences and Engineering), 2013, 64, .	0.4	4
29	Rotationally asymmetric optical concentrators for solar PV and BIPV systems. , 2013, , .		3
30	Comparison Between Two Different Types of Microcontroller in Developing Optical Tomography Controller Unit. Jurnal Teknologi (Sciences and Engineering), 2013, 64, .	0.4	3
31	A Review on Magnetic Induction Spectroscopy Potential for Fetal Acidosis Examination. Sensors, 2022, 22, 1334.	3.8	3
32	3D model simulation on magnetic induction spectroscopy for fetal acidosis detection using COMSOL multiphysics. AIP Conference Proceedings, 2016, , .	0.4	2
33	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
34	Application Study on Bubble Detection in a Metallic Bubble Column Using Electrical Resistance Tomography. Jurnal Teknologi (Sciences and Engineering), 2014, 69, .	0.4	1
35	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
36	Digitalization of linear back projection algorithm for FPGA implementation. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
37	Optical tomography verification for single and mixed modalities. Sensors and Actuators A: Physical, 2017, 253, 10-26.	4.1	1
38	Online simulation to monitor multiphase flow using laser source as transmitter. Optik, 2021, 228, 166178.	2.9	1
39	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
40	Design of non-destructive test on gold metal using parallel plate capacitance sensor: A conceptual framework. , 2016, , .		0
41	Electrical Potential Study of Single and Segmented Excitation for Planar Electrical Capacitance Tomography. , 2019, , .		0
42	Single Channel Magnetic Induction Measurement for Meningitis Detection. Lecture Notes in Mechanical Engineering, 2021, , 187-206.	0.4	0
43	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