

# Elmy Johana Mohamad

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

146  
citations

1478505

6  
h-index

1199594

12  
g-index

24  
all docs

24  
docs citations

24  
times ranked

125  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Single-Plane Dual-Modality Tomography for Multiphase Flow Imaging by Integrating Electrical Capacitance and Ultrasonic Sensors. IEEE Sensors Journal, 2017, 17, 6368-6377.                               | 4.7 | 43        |
| 2  | Electrical capacitance tomography: a review on portable ECT system and hardware design. Sensor Review, 2016, 36, 64-70.  | 1.8 | 23        |
| 3  | Segmented Capacitance Tomography Electrodes: A Design and Experimental Verifications. IEEE Sensors Journal, 2011, , .  | 4.7 | 14        |
| 4  | Flame imaging using laser-based transmission tomography. Sensors and Actuators A: Physical, 2006, 127, 332-339.  | 4.1 | 13        |
| 5  | Multiphase flow reconstruction in oil pipelines by portable capacitance tomography. , 2010, , .  |     | 10        |
| 6  | A Review on Electrical Capacitance Tomography Sensor Development. Jurnal Teknologi (Sciences and Engineering), 2012, 73, .   | 0.4 | 9         |
| 7  | 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         |
| 8  | Sensor Modeling For An Electrical Capacitance Tomography System Using Comsol Multiphysics. Jurnal Teknologi (Sciences and Engineering), 2012, , .  | 0.4 | 6         |
| 9  | 3D Printer Patterns Evaluation for Direct Investment Casting. Applied Mechanics and Materials, 0, 465-466, 1400-1403.  | 0.2 | 6         |
| 10 | Simulation Study on Electrical Resistance Tomography using Metal Wall for Bubble Detection. Jurnal Teknologi (Sciences and Engineering), 2015, 73, .   | 0.4 | 3         |
| 11 | DESIGN OF NON DESTRUCTIVE TESTING ON COMPOSITE MATERIAL USING PARALLEL PLATE ELECTRICAL CAPACITANCE TOMOGRAPHY: A CONCEPTUAL FRAMEWORK. Jurnal Teknologi (Sciences and Engineering), 2017, 79, .         | 0.4 | 3         |
| 12 | Electrical Capacitance Tomography (ECT): An Improved Sensitivity Distribution Using Two-Differential Excitation Technique. Jurnal Teknologi (Sciences and Engineering), 2015, 74, .                      | 0.4 | 2         |
| 13 | Optical Tomography: Transmitter And Receiver Circuit Preparation. Jurnal Teknologi (Sciences and Engineering), 2011, 73, .   | 0.4 | 2         |
| 14 | 3D MODELLING OF ELECTRICAL CAPACITANCE AND ULTRASONIC SENSOR INTEGRATION USING FINITE ELEMENT METHOD. Jurnal Teknologi (Sciences and Engineering), 2015, 77, .   | 0.4 | 2         |
| 15 | Non-Destructive Oil Palm Fresh Fruit Bunch (FFB) Grading Technique Using Optical Sensor. International Journal of Integrated Engineering, 2018, 10, .  | 0.4 | 2         |
| 16 | The effect of parallel projection towards image performance. , 2011, , .   |     | 1         |
| 17 | An analysis of sensitivity distribution using two differential excitation potentials in ECT. , 2011, , .   |     | 0         |
| 18 | A Review on the Developments, Potentials and Challenges of Application of Metal Products and in Metal Industry Using Process Tomography System. Jurnal Teknologi (Sciences and Engineering), 2015, 73, . | 0.4 | 0         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Design of non-destructive test on gold metal using parallel plate capacitance sensor: A conceptual framework. , 2016, , .                                    |     | 0         |
| 20 | INVESTIGATION OF CAPABILITIES OF ELECTROMAGNETIC TOMOGRAPHY FOR PIPELINE IMAGING. Jurnal Teknologi (Sciences and Engineering), 2019, 81, .                   | 0.4 | 0         |
| 21 | Variability of Excitation Coil Design and Performance in Magnetic Particle Imaging: A Review. , 2019, , .  |     | 0         |
| 22 | Development of industrial single photon emission computed tomography (ISPECT). IOP Conference Series: Materials Science and Engineering, 2020, 785, 012024.  | 0.6 | 0         |
| 23 | Optical Tomography Experimental Setup: A Study On Reflection Effect. Jurnal Teknologi (Sciences and Engineering) 2019, 81, 11, 1-10.                         | 0.4 | 0         |
| 24 | Development of Foreign Material Detection in Food Sensor Using Electrical Resistance Technique. International Journal of Integrated Engineering, 2019, 11, . | 0.4 | 0         |