

# Chiew Loon Goh

## List of Publications by Year in descending order

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37  
papers

222  
citations

1306789

7  
h-index

1125271

13  
g-index

37  
all docs

37  
docs citations

37  
times ranked

160  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical tomography sensor configuration using two orthogonal and two rectilinear projection arrays. Flow Measurement and Instrumentation, 2005, 16, 327-340.	1.0	28
2	Design procedure of ultrasonic tomography system with steel pipe conveyor. Sensors and Actuators A: Physical, 2013, 203, 215-224.	2.0	24
3	Ultrasonic Tomography System for Flow Monitoring: A Review. IEEE Sensors Journal, 2017, 17, 5382-5390.	2.4	19
4	Segmented Capacitance Tomography Electrodes: A Design and Experimental Verifications. IEEE Sensors Journal, 2011, , .	2.4	14
5	Novel Adjacent Criterion Method for Improving Ultrasonic Imaging Spatial Resolution. IEEE Sensors Journal, 2012, 12, 1746-1747.	2.4	14
6	Simulative and Experimental Studies: Void Fraction Detection in a Bubble Column of a Conducting Pipe. IEEE Transactions on Industrial Electronics, 2017, 64, 9636-9645.	5.2	14
7	Hardware Implementation of Multiple Fan Beam Projection Technique in Optical Fibre Process Tomography. Sensors, 2008, 8, 3406-3428.	2.1	11
8	Multiphase flow reconstruction in oil pipelines by portable capacitance tomography. , 2010, , .		10
9	Criteria for sensor selection in optical tomography. , 2009, , .		8
10	Detection of small gas bubble using ultrasonic transmission-mode tomography system. , 2010, , .		7
11	Electronic design for portable electrical capacitance sensor: A multiphase flow measurement. , 2011, , .		7
12	An Optical Tomography System Using a Digital Signal Processor. Sensors, 2008, 8, 2082-2103.	2.1	6
13	Online Optical Tomography System for Detecting and Measuring the Diameters of Solid and Transparent Objects. IEEE Sensors Journal, 2016, 16, 6175-6183.	2.4	6
14	Wireless Valving for Centrifugal Microfluidic Disc. Journal of Microelectromechanical Systems, 2017, 26, 1327-1334.	1.7	6
15	Multiple Fan-Beam Optical Tomography: Modelling Techniques. Sensors, 2009, 9, 8562-8578.	2.1	5
16	CCD Optical Tomography System to Detect Solid Contamination in Crystal-Clear Water. IEEE Transactions on Industrial Electronics, 2020, 67, 3248-3256.	5.2	5
17	Simulation of Image Fusion of Dual Modality (Electrical Capacitance and Optical Tomography) in Solid/Gas Flow. Sensing and Imaging, 2010, 11, 33-50.	1.0	4
18	Initial results on magnetic induction tomography hardware measurement using hall effect sensor application. , 2010, , .		3

#	ARTICLE	IF	CITATIONS
19	A comparison of Principal Component Regression and Artificial Neural Network in fruits quality prediction. , 2011, , .		3
20	Performance Comparisons of New Excitation Coil Design Aspects in Magnetic Induction Tomography (MIT) Applications. , 2011, , .		3
21	Rotationally asymmetric optical concentrators for solar PV and BIPV systems. , 2013, , .		3
22	Characterization of heat flow in silicon nanowire arrays for efficient thermoelectric power harvesting. Experimental Heat Transfer, 2018, 31, 470-481.	2.3	3
23	A Review on Magnetic Induction Spectroscopy Potential for Fetal Acidosis Examination. Sensors, 2022, 22, 1334.	2.1	3
24	Infrared tomography: Data distribution system and software development for real-time velocity measurement. ISA Transactions, 2007, 46, 131-145.	3.1	2
25	Simulation of electromagnetic field (EM) focusing capability on biological tissue through the application of C-type excitation coil screen. , 2012, , .		2
26	Initial Study on Optical Fiber Array to Produce Particle Size Information for Hydraulic Process. Arabian Journal for Science and Engineering, 2013, 38, 2193-2195.	1.1	2
27	A New Method of Rice Moisture Content Determination Using Voxel Weighting-Based from Radio Tomography Images. Sensors, 2021, 21, 3686.	2.1	2
28	New results of frequency weighted balanced truncation technique on Schur Decomposition. , 2011, , .		1
29	The effect of parallel projection towards image performance. , 2011, , .		1
30	Artificial neural network coupled with robust principal components in near infrared spectroscopic analysis. , 2012, , .		1
31	The development of hardware for optical tomography system. , 2013, , .		1
32	A study of a two phases medium in pipe vessel using gaussian filter method and k-NN classifier. Journal of Intelligent and Fuzzy Systems, 2013, 25, 635-641.	0.8	1
33	Digitalization of linear back projection algorithm for FPGA implementation. , 2016, , .		1
34	Development of image reconstruction using FPGA. , 2016, , .		1
35	Investigation Into Slow Scan Front-End Control of a Transmission Mode Ultrasonic System. IEEE Sensors Journal, 2017, 17, 5136-5142.	2.4	1
36	An analysis of sensitivity distribution using two differential excitation potentials in ECT. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
37	Image Reconstruction Technique for the Ultrasonic Tomography System VIA Metal Pipe. Advanced Science Letters, 2018, 24, 1406-1410.	0.2	0