

# Feng Dong

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

246  
papers

2,272  
citations

25  
h-index

36  
g-index

351  
ext. papers

2,920  
ext. citations

3.3  
avg, IF

5.82  
L-index

#	Paper	IF	Citations
246	Image Reconstruction Based on Convolutional Neural Network for Electrical Resistance Tomography. <i>IEEE Sensors Journal</i> , <b>2019</b> , 19, 196-204	4	103
245	Application of electrical resistance tomography to two-phase pipe flow parameters measurement. <i>Flow Measurement and Instrumentation</i> , <b>2003</b> , 14, 183-192	2.2	83
244	Identification of gas/liquid two-phase flow regime through ERT-based measurement and feature extraction. <i>Flow Measurement and Instrumentation</i> , <b>2007</b> , 18, 255-261	2.2	64
243	A Two-Stage Deep Learning Method for Robust Shape Reconstruction With Electrical Impedance Tomography. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2020</b> , 69, 4887-4897	5.2	52
242	Fast photocatalytic degradation of dyes using low-power laser-fabricated CuO-Cu nanocomposites.. <i>RSC Advances</i> , <b>2018</b> , 8, 20277-20286	3.7	50
241	Design of Parallel Electrical Resistance Tomography System for Measuring Multiphase Flow. <i>Chinese Journal of Chemical Engineering</i> , <b>2012</b> , 20, 368-379	3.2	49
240	Application of dual-plane ERT system and cross-correlation technique to measure gas/liquid flows in vertical upward pipe. <i>Flow Measurement and Instrumentation</i> , <b>2005</b> , 16, 191-197	2.2	45
239	Identification of two-phase flow regimes in horizontal, inclined and vertical pipes. <i>Measurement Science and Technology</i> , <b>2001</b> , 12, 1069-1075	2	45
238	The design of a dual-plane ERT system for cross correlation measurement of bubbly gas/liquid pipe flow. <i>Measurement Science and Technology</i> , <b>2001</b> , 12, 1024-1031	2	41
237	Design of a Conductance and Capacitance Combination Sensor for water holdup measurement in oil/water two-phase flow. <i>Flow Measurement and Instrumentation</i> , <b>2015</b> , 46, 218-229	2.2	40
236	Characterization of oil/water two-phase pipe flow with a combined conductivity/capacitance sensor and wavelet analysis. <i>Chemical Engineering Science</i> , <b>2015</b> , 134, 153-168	4.4	40
235	An Ultrasonic Transmission/Reflection Tomography System for Industrial Multiphase Flow Imaging. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 9539-9548	8.9	39
234	A Robust Inclusion Boundary Reconstructor for Electrical Impedance Tomography With Geometric Constraints. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2019</b> , 68, 762-773	5.2	38
233	Two Methods for Measurement of Gas-Liquid Flows in Vertical Upward Pipe Using Dual-Plane ERT System. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2006</b> , 55, 1576-1586	5.2	35
232	On fluctuation of the dynamic differential pressure signal of Venturi meter for wet gas metering. <i>Flow Measurement and Instrumentation</i> , <b>2003</b> , 14, 211-217	2.2	35
231	Oil/water two-phase flow velocity measurement with continuous wave ultrasound Doppler. <i>Chemical Engineering Science</i> , <b>2015</b> , 135, 155-165	4.4	34
230	A Statistical Shape-Constrained Reconstruction Framework for Electrical Impedance Tomography. <i>IEEE Transactions on Medical Imaging</i> , <b>2019</b> , 38, 2400-2410	11.7	34

229	Inclusion boundary reconstruction and sensitivity analysis in electrical impedance tomography. <i>Inverse Problems in Science and Engineering</i> , <b>2018</b> , 26, 1037-1061	1.3	32
228	Measuring Oil-Water Two-Phase Flow Velocity With Continuous-Wave Ultrasound Doppler Sensor and Drift-Flux Model. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2016</b> , 65, 1098-1107	5.2	29
227	Gas-Liquid Two-Phase Flow Velocity Measurement With Continuous Wave Ultrasonic Doppler and Conductance Sensor. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2017</b> , 66, 3064-3076	5.2	29
226	A hybrid regularization method combining Tikhonov with total variation for electrical resistance tomography. <i>Flow Measurement and Instrumentation</i> , <b>2015</b> , 46, 268-275	2.2	27
225	A Wideband Electrical Impedance Tomography System Based on Sensitive Bioimpedance Spectrum Bandwidth. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2020</b> , 69, 144-154	5.2	27
224	An adaptive Tikhonov regularization parameter choice method for electrical resistance tomography. <i>Flow Measurement and Instrumentation</i> , <b>2016</b> , 50, 1-12	2.2	26
223	A Kalman estimation based oil-water two-phase flow measurement with CRCC. <i>International Journal of Multiphase Flow</i> , <b>2015</b> , 72, 306-317	3.6	26
222	Gas-water two-phase flow characterization with Electrical Resistance Tomography and Multivariate Multiscale Entropy analysis. <i>ISA Transactions</i> , <b>2015</b> , 55, 241-9	5.5	25
221	Measurement of Oil-Water Two-Phase Flow Phase Fraction With Ultrasound Attenuation. <i>IEEE Sensors Journal</i> , <b>2018</b> , 18, 1150-1159	4	25
220	Electrical resistance tomography for locating inclusions using analytical boundary element integrals and their partial derivatives. <i>Engineering Analysis With Boundary Elements</i> , <b>2010</b> , 34, 876-883	2.6	25
219	Dispersed Oil-Water Two-Phase Flow Measurement Based on Pulse-Wave Ultrasonic Doppler Coupled With Electrical Sensors. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2018</b> , 67, 2129-2142	5.2	24
218	High GVF and low pressure gas-liquid two-phase flow measurement based on dual-cone flowmeter. <i>Flow Measurement and Instrumentation</i> , <b>2010</b> , 21, 410-417	2.2	24
217	Optimum estimation of the mean flow velocity for the multi-electrode inductance flowmeter. <i>Measurement Science and Technology</i> , <b>2001</b> , 12, 1139-1146	2	24
216	Horizontal oil-water two-phase flow measurement with information fusion of conductance ring sensor and cone meter. <i>Flow Measurement and Instrumentation</i> , <b>2013</b> , 34, 83-90	2.2	22
215	Reconstruction of the three-dimensional inclusion shapes using electrical capacitance tomography. <i>Measurement Science and Technology</i> , <b>2014</b> , 25, 025403	2	21
214	A Conductance Ring Coupled Cone Meter for Oil-Water Two-Phase Flow Measurement. <i>IEEE Sensors Journal</i> , <b>2014</b> , 14, 1244-1252	4	21
213	3D reconstruction of single rising bubble in water using digital image processing and characteristic matrix. <i>Particuology</i> , <b>2013</b> , 11, 170-183	2.8	21
212	Oil-gas-water three-phase flow characterization and velocity measurement based on time-frequency decomposition. <i>International Journal of Multiphase Flow</i> , <b>2019</b> , 111, 219-231	3.6	21

211	V-Net Deep Imaging Method for Electrical Resistance Tomography. <i>IEEE Sensors Journal</i> , <b>2020</b> , 20, 6460-6469	4.4	20
210	Electricity generation from banana peels in an alkaline fuel cell with a CuO-Cu modified activated carbon cathode. <i>Science of the Total Environment</i> , <b>2018</b> , 631-632, 849-856	10.2	20
209	A spatially adaptive total variation regularization method for electrical resistance tomography. <i>Measurement Science and Technology</i> , <b>2015</b> , 26, 125401	2	20
208	. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2013</b> , 62, 2795-2804	5.2	19
207	Ultrasonic Doppler Technique for Application to Multiphase Flows: A Review. <i>International Journal of Multiphase Flow</i> , <b>2021</b> , 144, 103811	3.6	19
206	A Lagrange-Newton Method for EIT/UT Dual-Modality Image Reconstruction. <i>Sensors</i> , <b>2019</b> , 19,	3.8	18
205	Oil/Water two-phase flow pattern analysis with ERT based measurement and multivariate maximum Lyapunov exponent. <i>Journal of Central South University</i> , <b>2016</b> , 23, 240-248	2.1	17
204	Reconstructing the geometric configuration of three dimensional interface using electrical capacitance tomography. <i>International Journal for Numerical Methods in Engineering</i> , <b>2013</b> , 96, 628-644	2.4	16
203	Electrical Resistance Tomography Image Reconstruction With Densely Connected Convolutional Neural Network. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2021</b> , 70, 1-11	5.2	16
202	Liquid distribution and hold-up measurement in counter current flow packed column by electrical capacitance tomography. <i>Chemical Engineering Journal</i> , <b>2018</b> , 353, 519-532	14.7	16
201	Oil/Water two-phase flow measurement with combined ultrasonic transducer and electrical sensors. <i>Measurement Science and Technology</i> , <b>2016</b> , 27, 125307	2	15
200	. <i>IEEE Sensors Journal</i> , <b>2021</b> , 21, 12913-12925	4	15
199	Response of the excitation condition to electromagnetic tomography. <i>Flow Measurement and Instrumentation</i> , <b>2013</b> , 31, 10-18	2.2	14
198	Experimental and numerical design of a long-waist cone flow meter. <i>Sensors and Actuators A: Physical</i> , <b>2013</b> , 199, 9-17	3.9	14
197	On-line monitoring of nonaxisymmetric flow profile with a multielectrode inductance flowmeter. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2004</b> , 53, 1321-1326	5.2	14
196	Mechanism modeling for phase fraction measurement with ultrasound attenuation in oil/Water two-phase flow. <i>Measurement Science and Technology</i> , <b>2017</b> , 28, 035304	2	13
195	3-D Hemorrhage Imaging by Cambered Magnetic Induction Tomography. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2019</b> , 68, 2460-2468	5.2	13
194	. <i>IEEE Sensors Journal</i> , <b>2018</b> , 18, 3703-3713	4	13

193	A fast sparse reconstruction algorithm for electrical tomography. <i>Measurement Science and Technology</i> , <b>2014</b> , 25, 085401	2	13
192	. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2010</b> , 59, 1294-1302	5.2	13
191	Gas/Liquid Flow Pattern Analysis Based on Graph Connectivity and Graph-Variate Dynamic Connectivity of ERT. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2019</b> , 68, 1590-1601	5.2	12
190	Structural Velocity Measurement of Gas/Liquid Slug Flow Based on EMD of Continuous Wave Ultrasonic Doppler. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2018</b> , 67, 2662-2675	5.2	12
189	Optimization of Dual Frequency-Difference MIT Sensor Array Based on Sensitivity and Resolution Analysis. <i>IEEE Access</i> , <b>2018</b> , 6, 34911-34920	3.5	12
188	Dimensionality reduced simultaneous iterative reconstruction technique for electrical resistance tomography. <i>Flow Measurement and Instrumentation</i> , <b>2015</b> , 46, 284-291	2.2	12
187	Development of single drive electrode electrical resistance tomography system. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2006</b> , 55, 1208-1214	5.2	12
186	Landweber Iterative Image Reconstruction Method Incorporated Deep Learning for Electrical Resistance Tomography. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2021</b> , 70, 1-11	5.2	12
185	Design of current source for multi-frequency simultaneous electrical impedance tomography. <i>Review of Scientific Instruments</i> , <b>2017</b> , 88, 094709	1.7	11
184	Multi-frequency difference method for intracranial hemorrhage detection by magnetic induction tomography. <i>Physiological Measurement</i> , <b>2018</b> , 39, 055006	2.9	11
183	A Bilateral Constrained Image Reconstruction Method Using Electrical Impedance Tomography and Ultrasonic Measurement. <i>IEEE Sensors Journal</i> , <b>2019</b> , 19, 9883-9895	4	11
182	Modification to mass flow rate correlation in oil/water two-phase flow by a V-cone flow meter in consideration of the oil/water viscosity ratio. <i>Measurement Science and Technology</i> , <b>2010</b> , 21, 045403	2	11
181	Nonlinear Ultrasonic Transmissive Tomography for Low-Contrast Biphasic Medium Imaging Using Continuous-Wave Excitation. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 8878-8888	8.9	11
180	Nonstationary Image Reconstruction in Ultrasonic Transmission Tomography Using Kalman Filter and Dimension Reduction. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2021</b> , 70, 1-12	5.2	11
179	A Shape-Based Statistical Inversion Method for EIT/URT Dual-Modality Imaging. <i>IEEE Transactions on Image Processing</i> , <b>2020</b> ,	8.7	10
178	Image features extraction of gas/liquid two-phase flow in horizontal pipeline by GLCM and GLGCM <b>2009</b> ,		10
177	Horizontal oil-water two-phase dispersed flow velocity profile study by ultrasonic doppler method. <i>Experimental Thermal and Fluid Science</i> , <b>2019</b> , 102, 357-367	3	10
176	Real-Time Reconstruction for Low Contrast Ultrasonic Tomography Using Continuous-Wave Excitation. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2020</b> , 69, 1632-1642	5.2	10

175	Ultrasound guided electrical impedance tomography for 2D free-interface reconstruction. <i>Measurement Science and Technology</i> , <b>2017</b> , 28, 074003	2	9
174	Tomographic Wire-Mesh Imaging of Water-Air Flow Based on Sparse Minimization. <i>IEEE Sensors Journal</i> , <b>2017</b> , 17, 8187-8195	4	9
173	Determining the boundary of inclusions with known conductivities using a Levenberg-Marquardt algorithm by electrical resistance tomography. <i>Measurement Science and Technology</i> , <b>2011</b> , 22, 104005	2	9
172	A Transformation-Domain Image Reconstruction Method for Open Electrical Impedance Tomography Based on Conformal Mapping. <i>IEEE Sensors Journal</i> , <b>2019</b> , 19, 1873-1883	4	9
171	An Electrical and Ultrasonic Doppler System for Industrial Multiphase Flow Measurement. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2021</b> , 70, 1-13	5.2	9
170	Linearized image reconstruction method for ultrasound modulated electrical impedance tomography based on power density distribution. <i>Measurement Science and Technology</i> , <b>2017</b> , 28, 045404	2	8
169	Effect of inter-tissue inductive coupling on multi-frequency imaging of intracranial hemorrhage by magnetic induction tomography. <i>Measurement Science and Technology</i> , <b>2017</b> , 28, 084001	2	8
168	An L <sup>1</sup> -optimal optimization framework for image reconstruction of electrical resistance tomography. <i>Measurement Science and Technology</i> , <b>2014</b> , 25, 125402	2	8
167	Improved Correlation for the Volume of Bubble Formed in Air-Water System. <i>Chinese Journal of Chemical Engineering</i> , <b>2011</b> , 19, 529-532	3.2	8
166	Conductance probe for the measurement of liquid volume fraction and axial velocity in gas-liquid two phase flow <b>2009</b> ,		8
165	Galerkin boundary element method for the forward problem of ERT. <i>Flow Measurement and Instrumentation</i> , <b>2010</b> , 21, 172-177	2.2	8
164	An extended L-curve method for choosing a regularization parameter in electrical resistance tomography. <i>Measurement Science and Technology</i> , <b>2016</b> , 27, 114002	2	8
163	Characterizing the correlations between local phase fractions of gas-liquid two-phase flow with wire-mesh sensor. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2016</b> , 374,	3	8
162	Electrical Resistance Tomography Image Reconstruction Based on Modified OMP Algorithm. <i>IEEE Sensors Journal</i> , <b>2019</b> , 19, 5723-5731	4	7
161	Using Time-Series Videos to Quantify Methane Bubbles Flux from Natural Cold Seeps in the South China Sea. <i>Minerals (Basel, Switzerland)</i> , <b>2020</b> , 10, 216	2.4	7
160	Independent component analysis of interface fluctuation of gas/liquid two-phase flows □ experimental study. <i>Flow Measurement and Instrumentation</i> , <b>2009</b> , 20, 220-229	2.2	7
159	A boundary element approach to estimate the free surface in stratified two-phase flow. <i>Measurement Science and Technology</i> , <b>2012</b> , 23, 105401	2	7
158	Measurement of oil fraction in oil-water dispersed flow with swept-frequency ultrasound attenuation method. <i>International Journal of Multiphase Flow</i> , <b>2020</b> , 133, 103444	3.6	7

157	An image reconstruction framework based on boundary voltages for ultrasound modulated electrical impedance tomography. <i>Measurement Science and Technology</i> , <b>2016</b> , 27, 114003	2	7
156	Doppler spectrum analysis and flow pattern identification of oil-water two-phase flow using dual-modality sensor. <i>Flow Measurement and Instrumentation</i> , <b>2021</b> , 77, 101861	2.2	7
155	Combined Planar Magnetic Induction Tomography for Local Detection of Intracranial Hemorrhage. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2021</b> , 70, 1-11	5.2	7
154	RCRC: A Deep Neural Network for Dynamic Image Reconstruction of Electrical Impedance Tomography. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2021</b> , 70, 1-11	5.2	7
153	Focusing Sensor Design for Open Electrical Impedance Tomography Based on Shape Conformal Transformation. <i>Sensors</i> , <b>2019</b> , 19,	3.8	6
152	Reconstructing the Phase Distribution Within an Annular Channel by Electrical Resistance Tomography. <i>Heat Transfer Engineering</i> , <b>2015</b> , 36, 1053-1064	1.7	6
151	Wide Angle Ultrasonic Transmission Tomography by Sparse Preimaged OMP Algorithm. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2020</b> , 69, 6262-6270	5.2	6
150	Local characteristic of horizontal air-water two-phase flow by wire-mesh sensor. <i>Transactions of the Institute of Measurement and Control</i> , <b>2018</b> , 40, 746-761	1.8	6
149	Analysis of response for magnetic induction tomography with internal source. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2016</b> , 78, 260-277	4.6	6
148	Parameters Measurement for Multiphase Flow Process. <i>Zidonghua Xuebao/Acta Automatica Sinica</i> , <b>2013</b> , 39, 1923		6
147	Nano Copper Oxide-Modified Carbon Cloth as Cathode for a Two-Chamber Microbial Fuel Cell. <i>Nanomaterials</i> , <b>2016</b> , 6,	5.4	6
146	Sensitivity Comparison of a Cambered Magnetic Induction Tomography for Local Hemorrhage Detection <b>2018</b> ,		6
145	A Fast Inclusion Boundary Reconstruction Framework for Electrical Impedance Tomography With Parametric Snake Model. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2020</b> , 69, 7606-7616	5.2	5
144	Dual-Modality Tomography by ERT and UTT Projection Sorting Algorithm. <i>IEEE Sensors Journal</i> , <b>2020</b> , 20, 5415-5423	4	5
143	An on-line adaptive estimation method for water holdup measurement in oil-water two-phase flow with a conductance/capacitance sensor. <i>Measurement Science and Technology</i> , <b>2016</b> , 27, 074001	2	5
142	Bubble-Forming Regime Identification Based on Image Textural Features and the MCWA Feature Selection Method. <i>IEEE Access</i> , <b>2017</b> , 5, 15820-15830	3.5	5
141	Tissue Acoustoelectric Effect Modeling From Solid Mechanics Theory. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2017</b> , 64, 1583-1590	3.2	5
140	Multiscaled texture synthesis using multisized pixel neighborhoods. <i>IEEE Computer Graphics and Applications</i> , <b>2007</b> , 27, 41-7	1.7	5



139	A Modular Magnetic Induction Tomography System for Low-Conductivity Medium Imaging. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2021</b> , 70, 1-8	5.2	5
138	Flow rate measurement of oil-gas-water wavy flow through a combined electrical and ultrasonic sensor. <i>Chemical Engineering Journal</i> , <b>2022</b> , 427, 131982	14.7	5
137	An Instrumental Electrode Configuration for 3D Ultrasound Modulated Electrical Impedance Tomography. <i>IEEE Sensors Journal</i> , <b>2017</b> , 17, 8206-8214	4	4
136	A new regularization algorithm based on the neighborhood method for electrical impedance tomography. <i>Measurement Science and Technology</i> , <b>2018</b> , 29, 085401	2	4
135	Analysis of constant-current characteristics for current sources <b>2012</b> ,		4
134	Cross correlation velocity of oil-water two-phase flow by a Dual-plane Electrical Resistance Tomography system <b>2010</b> ,		4
133	Cyclostationarity in electrical resistance tomography data from gas/liquid two-phase flow <b>2010</b> ,		4
132	High-precision electrical resistance tomography with external and internal electrode arrays <b>2011</b> ,		4
131	An Evaluation Method for Reconstructed Images in Electrical Tomography <b>2008</b> ,		4
130	Two-Phase Flow Measurement by Dual-Plane Ert System with Drift-Flux Model and Cross Correlation Thechnique <b>2006</b> ,		4
129	A Point Constrained Boundary Reconstruction Framework for Ultrasound Guided Electrical Impedance Tomography. <i>IEEE Transactions on Computational Imaging</i> , <b>2020</b> , 6, 1336-1350	4.5	4
128	An FPGA-Based Multifrequency EIT System With Reference Signal Measurement. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2021</b> , 70, 1-10	5.2	4
127	An augmented Lagrangian trust region method for inclusion boundary reconstruction using ultrasound/electrical dual-modality tomography. <i>Measurement Science and Technology</i> , <b>2018</b> , 29, 074008 <sup>2</sup>		4
126	Gas-Liquid Two-Phase Stratified Flow Interface Reconstruction With Sparse Batch Normalization Convolutional Neural Network. <i>IEEE Sensors Journal</i> , <b>2021</b> , 21, 17076-17084	4	4
125	An adaptive total variation regularization method for electrical resistance tomography <b>2013</b> ,		3
124	Method of Tikhonov regularization for weighted frequency-difference electrical impedance tomography <b>2017</b> ,		3
123	An adaptive local weighted image reconstruction algorithm for EIT/UTT dual-modality imaging <b>2017</b> ,		3
122	Brain tissue based sensitivity matrix in hemorrhage imaging by magnetic induction tomography <b>2017</b> ,		3



121	A modified L-curve method for choosing regularization parameter in electrical resistance tomography <b>2015</b> ,		3
120	Characteristic Analysis of Gas/Liquid Two-Phase Flow Regimes Based on Wavelet Packet Entropy <b>2010</b> ,		3
119	<b>2011</b> ,		3
118	Cross-section system and V-cone meter fusion in plug flow measurement <b>2009</b> ,		3
117	Data fusion for measurement of water holdup in horizontal pipes by conductivity rings <b>2011</b> ,		3
116	Gas-water two-phase flow regime identification with feature fusion from an ERT system and a V-cone meter <b>2009</b> ,		3
115	Feature Extraction Method for Gas/Liquid Two-Phase Flow Based on Wavelets Transform <b>2006</b> ,		3
114	Two-Phase Flow Regime Recognition in Horizontal Pipe Based on Positional Information of Measured Data of ERT. <i>Conference Record - IEEE Instrumentation and Measurement Technology Conference</i> , <b>2006</b> ,		3
113	Flowrate Measurement with Characteristic Value Cross-Correlation by Ert in Two-Phase Vertical Pipe Flows <b>2006</b> ,		3
112	Bifurcation Analysis of the Hodgkin-Huxley Model Exposed to External DC Electric Field <b>2007</b> ,		3
111	An FPGA-based multi-frequency EIT system with reference signal measurement <b>2020</b> ,		3
110	Flow velocity measurement based on ultrasonic cross-correlation technique in oil-water two-phase flow <b>2016</b> ,		3
109	Design of Ultrasonic Tomography System for Biomedical Imaging <b>2019</b> ,		3
108	Continuous-wave ultrasonic tomography for oil/water two-phase flow imaging using regularized weighted least square framework. <i>Transactions of the Institute of Measurement and Control</i> , <b>2020</b> , 42, 666-679	1.8	3
107	Multifrequency Ultrasonic Tomography for Oil/Gas/Water Three-Phase Distribution Imaging Using Transmissive Attenuation Spectrum. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2021</b> , 70, 1-11	5.2	3
106	Oil Fraction Measurement of Nonuniform Dispersed Oil/Water Two-Phase Flow Based on Ultrasonic Attenuation. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2021</b> , 1-1	5.2	3
105	Ultrasound attenuation characteristics in oil-water two-phase flow <b>2015</b> ,		2
104	A wire-mesh sensor for air-water two-phase flow imaging <b>2015</b> ,		2

103	Absolute reconstruction of Ultrasonic Tomography for oil-water biphasic medium imaging using modified ray-tracing technique. <i>Measurement: Sensors</i> , <b>2020</b> , 7-9, 100023	0.5	2
102	Sensitivity matrix for ultrasound modulated electrical impedance tomography <b>2016</b> ,		2
101	A dual-band flame detector based on video. <i>Optik</i> , <b>2016</b> , 127, 478-483	2.5	2
100	A complete sensor model for miniscopic electrical impedance tomography <b>2018</b> ,		2
99	Energy extraction from seaweed under low temperatures by using an alkaline fuel cell. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2018</b> , 40, 2107-2115	1.6	2
98	A method of spatially adaptive Lp regularization for electrical tomography <b>2017</b> ,		2
97	An EIT image segmentation method based on projection distance minimization <b>2017</b> ,		2
96	Performance evaluation and structure optimization of an inner-outer electrical resistance tomography sensor <b>2014</b> ,		2
95	A measurement method of slug flow velocity of gas-liquid two-phase flow in horizontal pipe <b>2010</b> ,		2
94	Application of electrical resistance tomography for slug flow measurement in gas/liquid flow of horizontal pipe <b>2009</b> ,		2
93	Introducing conditional integrator to sliding mode control of DC/DC buck converter <b>2009</b> ,		2
92	Gas-Water Two-Phase Flow Regime Recognition with Data and Feature Fusion from a Dual-Plane ERT System <b>2009</b> ,		2
91	Electrical resistance tomography system based on CompactPCI for multiphase flow measurement <b>2011</b> ,		2
90	Comparation of calibration methods for bubbly flow video image <b>2012</b> ,		2
89	Mass flow rate measurement of Gas/liquid two-phase flow in horizontal pipe based on V-cone flow meter and adaptive wavelet network <b>2009</b> ,		2
88	Gas/Liquid Two-Phase Flow Regime Recognition Based on Adaptive Wavelet-Based Neural Network <b>2008</b> ,		2
87	Track of rising bubble in bubbling tower based on image processing of high-speed video <b>2008</b> ,		2
86	Application of D-S evidence theory in flow regime identification of two-phase horizontal pipe flow <b>2008</b> ,		2

85	Regime recognition of two-phase pipe flow based on D-S evidence theory <b>2008</b> ,		2
84	Void Fraction Measurement for Two-Phase Flow Using Electrical Resistance Tomography. <i>Canadian Journal of Chemical Engineering</i> , <b>2008</b> , 83, 19-23	2.3	2
83	Study on Wide-Range Turbine Flowmeter <b>2006</b> ,		2
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80	Sequential Dynamic Aperture Focusing Strategy for Transmissive Ultrasonic Phase Array Tomography. <i>IEEE Transactions on Industrial Electronics</i> , <b>2022</b> , 1-1	8.9	2
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75	Amplitude Modulation Method for Acoustic Radiation Force Impulse Excitation <b>2019</b> ,		2
74	Image Reconstruction Based on Regularized Weighted Least Square Framework for Low-Contrast Ultrasonic Tomography <b>2019</b> ,		2
73	Measurement of Particle Concentration by Multifrequency Ultrasound Attenuation in Liquid-Solid Dispersion. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2021</b> , 68, 843-853	3.2	2
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63	Simulation study of electrodes optimization design of power density imaging <b>2016</b> ,		1
62	Fast flow regime recognition method of gas/water two-phase flow based on extreme learning machine <b>2013</b> ,		1
61	Sparse regularization for small objects imaging with electrical resistance tomography <b>2013</b> ,		1
60	Ultrasound modulated electrical impedance tomography by contrast libraries of measurements variation <b>2017</b> ,		1
59	Velocity measurement of oil-water two-phase flow based on Ultrasonic Doppler <b>2017</b> ,		1
58	Numerical and experimental analysis of ultrasound attenuation in oil-water two-phase flow <b>2017</b> ,		1
57	Construction of sensitivity matrix involving location information for ultrasound modulated electrical impedance tomography <b>2017</b> ,		1
56	Sensitivity matrix construction based on ultrasound modulation for electrical resistance tomography <b>2015</b> ,		1
55	Measurement of phase fraction in oil-water two-phase flow using ultrasound attenuation method <b>2015</b> ,		1
54	Two phase flow visualization in an annular tube by an Electrical Resistance Tomography <b>2012</b> ,		1
53	Application of PLC for arranging bottle in Beer filling production line <b>2012</b> ,		1
52	<b>2010</b> ,		1
51	Flow Rate Measurement of Oil/Gas/Water Three-Phase Flow with V-Cone Flow Meter <b>2010</b> ,		1
50	Independent component analysis of the interface fluctuations of gas/liquid two-phase flow <b>2009</b> ,		1

49	Distributed arithmetic FIR filter for electrical resistance tomography system <b>2011,</b>		1
48	Investigation on pressure-tapping methods of long waist cone flow meter using CFD simulation <b>2012,</b>		1
47	A simulation experimental system of multiphase pipe flow <b>2012,</b>		1
46	Dual-modality data acquisition system based on CPCI industrial computer <b>2012,</b>		1
45	Chaos synchronization of coupled neurons under external electrical stimulation using adaptive H $\infty$ control. <i>Transactions of the Institute of Measurement and Control</i> , <b>2008</b> , 30, 225-238	1.8	1
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42	Optimization Design on Sensing Field of Electromagnetic Tomography <b>2006,</b>		1
41	Design of High Speed Cross Section Measurement System and its Real-Time Performance Analysis <b>2007,</b>		1
40	Gas/liquid two-phase flow regime identification in horizontal pipe using support vector machines <b>2005,</b>		1
39	Research on electrical resistance tomography and cross-correlation technique to measure the two-phase flows		1
38	Electrical resistance tomography based on the single drive electrode method		1
37	A novel ERT system based on DSP and CPLD <b>2005,</b>		1
36	Intracranial Hemorrhage Detection by Open MIT Sensor Array. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2022</b> , 1-1	5.2	1
35	Comparisons of Chemical Synapses and Gap Junctions in the Stochastic Dynamics of Coupled Neurons. <i>Lecture Notes in Computer Science</i> , <b>2007</b> , 254-263	0.9	1
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30	Finite-Element Modeling of Biological Tissue Response to Focused Ultrasound with Different Intensity <b>2021</b> ,		1
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28	A FPGA-based multi-frequency current source for biological EIT system <b>2016</b> ,		1
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26	A fast ERT system modification based on compressed sensing algorithm <b>2018</b> ,		1
25	Oil-water two-phase flow velocity measurement with Continuous wave ultrasonic Doppler. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1065, 092019	0.3	1
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