

Andrew Hunt

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

501
citations

623734

14
h-index

677142

22
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29
all docs

29
docs citations

29
times ranked

423
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluctuations in dense phase pneumatic conveying of pulverised coal measured using electrical capacitance tomography. <i>Chemical Engineering Science</i> , 2008, 63, 2548-2558.	3.8	48
2	The effects of bubbles on the volume fluxes and the pressure gradients in unsteady and non-uniform flow of liquids. <i>International Journal of Multiphase Flow</i> , 1988, 14, 587-606.	3.4	47
3	Comparison between Electrical Capacitance Tomography and Wire Mesh Sensor Output for Air/Silicone Oil Flow in a Vertical Pipe. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 8805-8811.	3.7	46
4	Acoustic monitoring of pipeline flows: particulate slurries. <i>Powder Technology</i> , 1999, 106, 30-36.	4.2	38
5	Combining Magnetic Induction Tomography and Electromagnetic Velocity Tomography for Water Continuous Multiphase Flows. <i>IEEE Sensors Journal</i> , 2017, 17, 8271-8281.	4.7	34
6	Experimental evaluation of conductive flow imaging using magnetic induction tomography. <i>International Journal of Multiphase Flow</i> , 2015, 72, 198-209.	3.4	32
7	Linear dimensionality reduction for classification via a sequential Bayes error minimisation with an application to flow meter diagnostics. <i>Expert Systems With Applications</i> , 2018, 91, 252-262.	7.6	25
8	Weighing without Touching: Applying Electrical Capacitance Tomography to Mass Flowrate Measurement in Multiphase Flows. <i>Measurement and Control</i> , 2014, 47, 19-25.	1.8	24
9	Acoustic monitoring of hydrocyclones. <i>Powder Technology</i> , 2002, 124, 176-187.	4.2	21
10	Identification of horizontal slug flow structures for application in selective cross-correlation metering. <i>Flow Measurement and Instrumentation</i> , 2019, 66, 141-149.	2.0	21
11	Acoustic monitoring of hydrocyclone performance. <i>Minerals Engineering</i> , 1998, 11, 1047-1059.	4.3	20
12	Two-phase bubbly-droplet flow through a contraction: Experiments and a unified model. <i>International Journal of Multiphase Flow</i> , 1991, 17, 291-307.	3.4	17
13	Linear classifier design under heteroscedasticity in Linear Discriminant Analysis. <i>Expert Systems With Applications</i> , 2017, 79, 44-52.	7.6	17
14	Process tomography for identification, design and measurement in industrial systems. <i>Powder Technology</i> , 1992, 69, 85-92.	4.2	14
15	Flow imaging for multi-component flow measurement. <i>Flow Measurement and Instrumentation</i> , 1990, 1, 259-268.	2.0	13
16	Visualisation of Two-Phase Gas-Liquid Pipe Flows Using Electrical Capacitance Tomography. , 2004, , 491.		12
17	Evaluation of Near-Field Electromagnetic Shielding Effectiveness at Low Frequencies. <i>IEEE Sensors Journal</i> , 2019, 19, 121-128.	4.7	11
18	Investigation of fluidized bed behaviour using electrical capacitance tomography. <i>Canadian Journal of Chemical Engineering</i> , 2020, 98, 1835-1848.	1.7	10

#	ARTICLE	IF	CITATIONS
19	Non-Intrusive Measurement of Volume and Mass Using Electrical Capacitance Tomography. , 2004, , 605.		9
20	On the life and habits of gas-core slugs: characterisation of an intermittent horizontal two-phase flow. Journal of Natural Gas Science and Engineering, 2020, 82, 103475.	4.4	9
21	Multimodal Two-Phase Flow Measurement Using Dual Plane ECT and GRT. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-12.	4.7	8
22	Propellant SLOSH Force and Mass Measurement. International Journal of Aerospace Engineering, 2018, 2018, 1-9.	0.9	7
23	Effect of systematic and random flow measurement errors on history matching: a case study on oil and wet gas reservoirs. Journal of Petroleum Exploration and Production, 2019, 9, 2853-2862.	2.4	5
24	EFFECTS OF FLOW MEASUREMENT ERRORS ON OIL AND GAS PRODUCTION FORECASTS. WIT Transactions on Engineering Sciences, 2017, , .	0.0	4
25	Multiple regression-based prediction correlations for enhanced sensor design of magnetic induction tomography systems. Measurement Science and Technology, 2020, 31, 024002.	2.6	3
26	Experimental investigation of liquid viscosity's effect on the flow behaviour and void fraction in a small diameter bubble column: How much do we know?. Journal of Petroleum Science and Engineering, 2021, 207, 109182.	4.2	3
27	Effect of Inclination on Slug Flow Characteristics. , 2010, , .		1
28	Electromagnetic Technique for Hydrocarbon and Sand Transport Monitoring: Proof of Concept. IEEE Access, 2020, 8, 120766-120777.	4.2	1
29	Multimodal analysis of gas-oil intermittent structures in co-current horizontal flow. , 2020, , .		1