

Eduardo Nunes dos Santos

List of Publications by Year in descending order

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papers

306
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840776

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30
all docs

30
docs citations

30
times ranked

206
citing authors

#	ARTICLE	IF	CITATIONS
1	Conductance Sensors for Multiphase Flow Measurement: A Review. IEEE Sensors Journal, 2021, 21, 12913-12925.	4.7	43
2	Phase fraction distribution measurement of oil-water flow using a capacitance wire-mesh sensor. Measurement Science and Technology, 2011, 22, 104020.	2.6	42
3	Dual-modality wire-mesh sensor for the visualization of three-phase flows. Measurement Science and Technology, 2015, 26, 105302.	2.6	41
4	Gas-Liquid Flow Rate Measurement Using a Twin-Plane Capacitive Sensor and a Venturi Meter. IEEE Access, 2019, 7, 135933-135941.	4.2	22
5	Single and Multiphase Flow Characterization by Means of an Optical Fiber Bragg Grating Grid. Journal of Lightwave Technology, 2015, 33, 1857-1862.	4.6	19
6	Capacitive Multielectrode Direct-Imaging Sensor for the Visualization of Two-Phase Flows. IEEE Sensors Journal, 2017, 17, 8047-8058.	4.7	16
7	Sensing Platform for Two-Phase Flow Studies. IEEE Access, 2019, 7, 5374-5382.	4.2	14
8	Multiple Wire-Mesh Sensors Applied to the Characterization of Two-Phase Flow inside a Cyclonic Flow Distribution System. Sensors, 2019, 19, 193.	3.8	14
9	Experimental analysis of downward liquid-gas slug flow in slightly inclined pipes. Experimental Thermal and Fluid Science, 2019, 103, 222-233.	2.7	14
10	Quantitative cross-sectional measurement of solid concentration distribution in slurries using a wire-mesh sensor. Measurement Science and Technology, 2016, 27, 015301.	2.6	12
11	New Algorithm to Discriminate Phase Distribution of Gas-Oil-Water Pipe Flow With Dual-Modality Wire-Mesh Sensor. IEEE Access, 2020, 8, 125163-125178.	4.2	11
12	Three-Dimensional Bubble Shape Estimation in Two-phase Gas-liquid Slug Flow. IEEE Sensors Journal, 2017, , 1-1.	4.7	8
13	Optical Fiber Transducer for Monitoring Single-Phase and Two-Phase Flows in Pipes. IEEE Sensors Journal, 2020, 20, 5943-5952.	4.7	8
14	High-speed multichannel impedance measuring system. Acta IMEKO (2012), 2012, 1, 36.	0.7	7
15	Dual-modality impedance wire-mesh sensor for investigation of multiphase flows. , 2014, , .		5
16	Advanced image processing of wire-mesh sensor data for two-phase flow investigation. IEEE Latin America Transactions, 2015, 13, 2269-2277.	1.6	5
17	Multiphase flow characterization using optical fiber Bragg gratings. , 2012, , .		3
18	Optical fiber Bragg grating mesh for multiphase flow sensing. , 2014, , .		3

#	ARTICLE	IF	CITATIONS
19	Optical-electrical probe for two-phase flow investigation. , 2017, , .		3
20	Electrical and Optical Probe for Two-Phase Flow Monitoring. IEEE Sensors Journal, 2019, 19, 8706-8713.	4.7	3
21	Sensing Hydrates in Pipes by a Combined Electrical and Optical Fiber Sensor. IEEE Sensors Journal, 2020, 20, 5012-5018.	4.7	3
22	Multiphase flow instrumentation and measurement research in Brazil. IEEE Instrumentation and Measurement Magazine, 2017, 20, 57-62.	1.6	2
23	Bubble Shape Identification and Calculation in Gas-Liquid Slug Flow Using Semi-automatic Image Segmentation. Lecture Notes in Computer Science, 2017, , 116-126.	1.3	2
24	GPU-accelerated Simulator for Optical Tomography applied to Two-Phase Flows. , 2019, , .		2
25	Fluid turbulence monitoring by means of FBG mesh. , 2014, , .		1
26	Requirements for an integrated conditioning circuit for multiphase flow imaging using impedance wire-mesh sensors. , 2016, , .		1
27	ANN-based image reconstruction for optical tomography applied to gas-liquid flow monitoring. , 2017, , .		1
28	DISTRIBUTED RESISTIVE SENSOR AND WEB DATA MANAGEMENT SYSTEM FOR SYSTEMATIC STUDIES OF TWO-PHASE GAS-LIQUID FLOWS. , 2016, , .		1
29	Multi-Electrode Capacitive and Inductive Sensing Applied to Level Measurement of Multiphase Fluids. Proceedings (mdpi), 2019, 42, .	0.2	0