

Simon Pedersen

List of Publications by Year in descending order

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34
papers

431
citations

933447

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h-index

794594

19
g-index

34
all docs

34
docs citations

34
times ranked

383
citing authors

#	ARTICLE	IF	CITATIONS
1	Suppression of liquid slugs and phase separation through pipeline bends. Canadian Journal of Chemical Engineering, 2022, 100, 1778-1795.	1.7	0
2	Performance Comparison of Control Strategies for Plant-Wide Produced Water Treatment. Energies, 2022, 15, 418.	3.1	2
3	On Marine Growth Removal on Offshore Structures. , 2022, , .		5
4	A Quantitative Parametric Study on Output Time Delays for Autonomous Underwater Cleaning Operations. Journal of Marine Science and Engineering, 2022, 10, 815.	2.6	5
5	The Impact of Riser-Induced Slugs on the Downstream Deoiling Efficiency. Journal of Marine Science and Engineering, 2021, 9, 391.	2.6	3
6	Closed-loop experimental testing framework for structural control applications. Structural Control and Health Monitoring, 2021, 28, e2765.	4.0	2
7	Integral Sliding Mode Control for a Marine Growth Removing ROV with Water Jet Disturbance. , 2021, , .		11
8	Comparative Study of CFD and LedaFlow Models for Riser-Induced Slug Flow. Energies, 2020, 13, 3733.	3.1	1
9	Control pairings of a deoiling membrane crossflow filtration process based on theoretical and experimental results. Journal of Process Control, 2019, 81, 98-111.	3.3	5
10	Multi-Phase Flow Metering in Offshore Oil and Gas Transportation Pipelines: Trends and Perspectives. Sensors, 2019, 19, 2184.	3.8	67
11	Stabilization of a ROV in Three-dimensional Space Using an Underwater Acoustic Positioning System. IFAC-PapersOnLine, 2019, 52, 117-122.	0.9	13
12	Simplified Modelling and Identification of an Inspection ROV. IFAC-PapersOnLine, 2018, 51, 257-262.	0.9	7
13	Model comparison of a VideoRay Pro 4 Underwater ROV. , 2018, , .		2
14	Membrane Fouling for Produced Water Treatment: A Review Study From a Process Control Perspective. Water (Switzerland), 2018, 10, 847.	2.7	76
15	Challenges in Modelling and Control of Offshore De-oiling Hydrocyclone Systems. Journal of Physics: Conference Series, 2017, 783, 012048.	0.4	9
16	Influence of riser-induced slugs on the downstream separation processes. Journal of Petroleum Science and Engineering, 2017, 154, 337-343.	4.2	10
17	Challenges in slug modeling and control for offshore oil and gas productions: A review study. International Journal of Multiphase Flow, 2017, 88, 270-284.	3.4	55
18	Modeling and Control of Industrial ROVs™ for Semi-Autonomous Subsea Maintenance Services. IFAC-PapersOnLine, 2017, 50, 13686-13691.	0.9	13

#	ARTICLE	IF	CITATIONS
19	Operational performance of offshore de-oiling hydrocyclone systems. , 2017, , .		1
20	Comparison of Model-Based Control Solutions for Severe Riser-Induced Slugs. Energies, 2017, 10, 2014.	3.1	6
21	Subsea infrastructure inspection: A review study. , 2016, , .		29
22	Evaluation of OiW measurement technologies for deoiling hydrocyclone efficiency estimation and control. , 2016, , .		4
23	Experimental study of stable surfaces for anti-slug control in multi-phase flow. International Journal of Automation and Computing, 2016, 13, 81-88.	4.5	10
24	Online Slug Detection in Multi-phase Transportation Pipelines Using Electrical Tomography—Supported by the Danish National Advanced Technology Foundation through PDPWAC Project (J.nr. 95-2012-3).. IFAC-PapersOnLine, 2015, 48, 159-164.	0.9	6
25	Review of Slug Detection, Modeling and Control Techniques for Offshore Oil & Gas Production Processes—Supported by the Danish National Advanced Technology Foundation through PDPWAC Project (J.nr. 95-2012-3).. IFAC-PapersOnLine, 2015, 48, 89-96.	0.9	20
26	Modeling separation dynamics in a multi-tray bio-ethanol distillation column. , 2015, , .		1
27	Control Oriented Modeling of a De-oiling Hydrocyclone. IFAC-PapersOnLine, 2015, 48, 291-296.	0.9	20
28	Cost-Effective ERT Technique for Oil-in-Water Measurement for Offshore Hydrocyclone Installations. IFAC-PapersOnLine, 2015, 48, 147-153.	0.9	9
29	Experimental modeling of a deoiling hydrocyclone system. , 2015, , .		9
30	Experimental study of stable surfaces for anti-slug control in multi-phase flow. , 2014, , .		4
31	Cleaning the produced water in offshore oil production by using plant-wide optimal control strategy. , 2014, , .		6
32	Control of variable-speed pressurization fan for an offshore HVAC system. , 2014, , .		2
33	Learning control for riser-slug elimination and production-rate optimization for an offshore oil and gas production process. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 8522-8527.	0.4	11
34	Recreating Riser Slugging Flow Based on an Economic Lab-sized Setup. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 47-52.	0.4	7