Petar Durdevic

List of Publications by Year
in descending order

35	422	759233 12	794594 19
papers	citations	h-index	g-index

37	37	37	271
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multi-Phase Flow Metering in Offshore Oil and Gas Transportation Pipelines: Trends and Perspectives. Sensors, 2019, 19, 2184.	3.8	67
2	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
3	Modeling phosphorous dynamics in a wastewater treatment process using Bayesian optimized LSTM. Computers and Chemical Engineering, 2022, 160, 107738.	3.8	22
4	Review of Slug Detection, Modeling and Control Techniques for Offshore Oil & Gas Production Processesâˆ—â€—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
5	Control Oriented Modeling of a De-oiling Hydrocyclone. IFAC-PapersOnLine, 2015, 48, 291-296.	0.9	20
6	Application of Hâˆž Robust Control on a Scaled Offshore Oil and Gas De-Oiling Facility. Energies, 2018, 11, 287.	3.1	19
7	Smart-Spider: Autonomous Self-driven In-line Robot for Versatile Pipeline Inspection âž âžThe authors would like to the support from Danish Hydrocarbon Research and Technology Centre(DHRTC) through DHRTC Radical Project Programme. IFAC-PapersOnLine, 2018, 51, 251-256.	0.9	18
8	Internal Wind Turbine Blade Inspections Using UAVs: Analysis and Design Issues. Energies, 2021, 14, 294.	3.1	17
9	Vision Aided Navigation of a Quad-Rotor for Autonomous Wind-Farm Inspection. IFAC-PapersOnLine, 2019, 52, 61-66.	0.9	14
10	Dynamic Oil-in-Water Concentration Acquisition on a Pilot-Scaled Offshore Water-Oil Separation Facility. Sensors, 2017, 17, 124.	3.8	13
11	Model-free <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e230" altimg="si4.svg"><mml:msub><mml:mrow><mml:mi>H</mml:mi></mml:mrow><mml:mrow><mml:mi>âˆž</mml:mi></mml:mrow></mml:mrow> tracking control for de-oiling hydrocyclone systems via off-policy reinforcement learning. Automatica, 2021, 133, 109862.	5.0	13
12	Plant-wide Optimal Control of an Offshore De-oiling Process Using MPC Technique. IFAC-PapersOnLine, 2018, 51, 144-150.	0.9	12
13	Dynamic Efficiency Analysis of an Off-Shore Hydrocyclone System, Subjected to a Conventional PID- and Robust-Control-Solution. Energies, 2018, 11, 2379.	3.1	12
14	Classical and Deep Learning based Visual Servoing Systems: a Survey on State of the Art. Journal of Intelligent and Robotic Systems: Theory and Applications, 2022, 104, 1.	3.4	12
15	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
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	Cost-Effective ERT Technique for Oil-in-Water Measurement for Offshore Hydrocyclone Installations. IFAC-PapersOnLine, 2015, 48, 147-153.	0.9	9
18	Experimental modeling of a deoiling hydrocyclone system. , 2015, , .		9

#	Article	IF	Citations
19	Challenges in Modelling and Control of Offshore De-oiling Hydrocyclone Systems. Journal of Physics: Conference Series, 2017, 783, 012048.	0.4	9
20	A Deep Neural Network Sensor for Visual Servoing in 3D Spaces. Sensors, 2020, 20, 1437.	3.8	9
21	Optimal Tracking Control Based on Integral Reinforcement Learning for An Underactuated Drone. IFAC-PapersOnLine, 2019, 52, 55-60.	0.9	8
22	Cleaning the produced water in offshore oil production by using plant-wide optimal control strategy. , 2014, , .		6
23	Online Slug Detection in Multi-phase Transportation Pipelines Using Electrical Tomographyâˆ—â€”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
24	Hovering Control for Automatic Landing Operation of An Inspection Drone to A Mobile Platform. IFAC-PapersOnLine, 2018, 51, 245-250.	0.9	5
25	LiDAR Assisted Camera Inspection of Wind Turbines: Experimental Study. , 2019, , .		5
26	Experimental study of stable surfaces for anti-slug control in multi-phase flow. , 2014, , .		4
27	Evaluation of OiW measurement technologies for deoiling hydrocyclone efficiency estimation and control. , 2016, , .		4
28	Potential for Real-Time Monitoring and Control of Dissolved Oxygen in the Injection Water Treatment Process. IFAC-PapersOnLine, 2018, 51, 170-177.	0.9	3
29	Compressor Scheduling and Pressure Control for an Alternating Aeration Activated Sludge Processâ€”A Simulation Study Validated on Plant Data. Water (Switzerland), 2021, 13, 1037.	2.7	3
30	Hybrid control of a two-wheeled automatic-balancing robot with backlash feature. , 2013, , .		2
31	Control of variable-speed pressurization fan for an offshore HVAC system. , 2014, , .		2
32	Modeling separation dynamics in a multi-tray bio-ethanol distillation column. , 2015, , .		1
33	Operational performance of offshore de-oiling hydrocyclone systems. , 2017, , .		1
34	Trajectory Tracking of Underactuated VTOL Aerial Vehicles With Unknown System Parameters Via IRL. IEEE Transactions on Automatic Control, 2022, 67, 3043-3050.	5.7	1
35	Game Theoretical Reinforcement Learning for Robust Hâˆž Tracking Control of Discrete-Time Linear Systems with Unknown Dynamics. , 2021, , .		0