

# Cosan Daskiran

## List of Publications by Year in descending order

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30  
papers

235  
citations

1039406

9  
h-index

996533

15  
g-index

30  
all docs

30  
docs citations

30  
times ranked

174  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of a jet orifice on the hydrodynamics and the oil droplet size distribution. International Journal of Multiphase Flow, 2022, 147, 103921.	1.6	5
2	Impact of mixing and resting times on the droplet size distribution and the petroleum hydrocarbons concentration in diluted bitumen-based water-accommodated fractions (WAFs). Chemosphere, 2022, , 133807.	4.2	3
3	Computational and experimental study of an oil jet in crossflow: coupling population balance model with multifluid large eddy simulation. Journal of Fluid Mechanics, 2022, 932, .	1.4	4
4	Transport of oil droplets from a jet in crossflow: Dispersion coefficients and Vortex trapping. Ocean Modelling, 2021, 158, 101736.	1.0	9
5	Transport and Formation of OPAs in Rivers. Journal of Environmental Engineering, ASCE, 2021, 147, .	0.7	4
6	Large eddy simulation and experiment of shear breakup in liquid-liquid jet: Formation of ligaments and droplets. International Journal of Heat and Fluid Flow, 2021, 89, 108810.	1.1	9
7	Experimental Investigation of Oil Droplet Size Distribution in Underwater Oil and Oil-Air Jet. Marine Technology Society Journal, 2021, 55, 196-209.	0.3	6
8	Experimental and Computational Study of Oil Jet in Crossflow. International Oil Spill Conference Proceedings, 2021, 2021, .	0.1	0
9	Oil droplets dispersion under a deep-water plunging breaker: Experimental measurements and numerical modeling. International Oil Spill Conference Proceedings, 2021, 2021, .	0.1	0
10	Hydrodynamics and Mixing Characteristics in Different-Size Aspirator Bottles for Water-Accommodated Fraction Tests. Journal of Environmental Engineering, ASCE, 2020, 146, .	0.7	6
11	A Review on Multiphase Underwater Jets and Plumes: Droplets, Hydrodynamics, and Chemistry. Reviews of Geophysics, 2020, 58, e2020RG000703.	9.0	22
12	Modeling oil dispersion under breaking waves. Part II: Coupling Lagrangian particle tracking with population balance model. Environmental Fluid Mechanics, 2020, 20, 1553-1578.	0.7	12
13	Modeling oil dispersion under breaking waves. Part I: Wave hydrodynamics. Environmental Fluid Mechanics, 2020, 20, 1527-1551.	0.7	14
14	Hydrodynamics and dilution of an oil jet in crossflow: The role of small-scale motions from laboratory experiment and large eddy simulations. International Journal of Heat and Fluid Flow, 2020, 85, 108634.	1.1	13
15	Mitigation of flow-induced pressure fluctuations in a Francis turbine operating at the design and partial load regimes LES simulations. International Journal of Heat and Fluid Flow, 2019, 79, 108444.	1.1	19
16	Large eddy simulations of multiphase flows past a finite plate near a free surface. Ocean Engineering, 2019, 188, 106342.	1.9	7
17	Vortex identification in turbulent flows past plates using the Lagrangian method. Canadian Journal of Physics, 2019, 97, 895-910.	0.4	1
18	Oxygen dissolution via pump-turbine Application to wastewater treatment. International Journal of Heat and Mass Transfer, 2019, 131, 1052-1063.	2.5	6

#	ARTICLE	IF	CITATIONS
19	Mitigation of Flow-Induced Pressure Fluctuations in a Francis Turbine Using Water Injection. , 2019, , .		0
20	Stabilizing Pump-Turbine Operations Using Water Injection Passive Control. , 2019, , .		0
21	Micro-Hydrokinetic Turbine Operating in the Vicinity of a Free Surface: Multiphase Large Eddy Simulations. , 2019, , .		0
22	Computational study of aeration for wastewater treatment via ventilated pump-turbine. International Journal of Heat and Fluid Flow, 2018, 69, 43-54.	1.1	11
23	Large eddy simulations of ventilated micro hydrokinetic turbine at design and off-design operating conditions. Ocean Engineering, 2018, 169, 1-18.	1.9	5
24	Transient analysis of micro-hydrokinetic turbines for river applications. Ocean Engineering, 2017, 129, 291-300.	1.9	15
25	Computational study of multiphase flows over ventilated translating blades. International Journal of Heat and Mass Transfer, 2017, 110, 262-275.	2.5	9
26	Computational Fluid Dynamics Simulations in Flow Past Arrays of Finite Plate: Marine Current Energy Harvesting Applications. , 2017, , .		0
27	Large Eddy Simulations of Ventilating Micro Hydrokinetic Turbine. , 2017, , .		0
28	Experimental and numerical characterization of a full-scale portable hydrokinetic turbine prototype for river applications. Renewable Energy, 2016, 99, 772-783.	4.3	23
29	Hydrokinetic turbine array characteristics for river applications and spatially restricted flows. Renewable Energy, 2016, 97, 274-283.	4.3	32
30	Design and Characteristics of the Micro-Hydrokinetic Turbine System. , 2015, , .		0