

Cosan Daskiran

List of Publications by Year in descending order

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Version: 2024-02-01

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	Hydrokinetic turbine array characteristics for river applications and spatially restricted flows. <i>Renewable Energy</i> , 2016, 97, 274-283.	4.3	32
2	Experimental and numerical characterization of a full-scale portable hydrokinetic turbine prototype for river applications. <i>Renewable Energy</i> , 2016, 99, 772-783.	4.3	23
3	A Review on Multiphase Underwater Jets and Plumes: Droplets, Hydrodynamics, and Chemistry. <i>Reviews of Geophysics</i> , 2020, 58, e2020RC000703.	9.0	22
4	Mitigation of flow-induced pressure fluctuations in a Francis turbine operating at the design and partial load regimesâ€”LES simulations. <i>International Journal of Heat and Fluid Flow</i> , 2019, 79, 108444.	1.1	19
5	Transient analysis of micro-hydrokinetic turbines for river applications. <i>Ocean Engineering</i> , 2017, 129, 291-300.	1.9	15
6	Modeling oil dispersion under breaking waves. Part I: Wave hydrodynamics. <i>Environmental Fluid Mechanics</i> , 2020, 20, 1527-1551.	0.7	14
7	Hydrodynamics and dilution of an oil jet in crossflow: The role of small-scale motions from laboratory experiment and large eddy simulations. <i>International Journal of Heat and Fluid Flow</i> , 2020, 85, 108634.	1.1	13
8	Modeling oil dispersion under breaking waves. Part II: Coupling Lagrangian particle tracking with population balance model. <i>Environmental Fluid Mechanics</i> , 2020, 20, 1553-1578.	0.7	12
9	Computational study of aeration for wastewater treatment via ventilated pump-turbine. <i>International Journal of Heat and Fluid Flow</i> , 2018, 69, 43-54.	1.1	11
10	Computational study of multiphase flows over ventilated translating blades. <i>International Journal of Heat and Mass Transfer</i> , 2017, 110, 262-275.	2.5	9
11	Transport of oil droplets from a jet in crossflow: Dispersion coefficients and Vortex trapping. <i>Ocean Modelling</i> , 2021, 158, 101736.	1.0	9
12	Large eddy simulation and experiment of shear breakup in liquid-liquid jet: Formation of ligaments and droplets. <i>International Journal of Heat and Fluid Flow</i> , 2021, 89, 108810.	1.1	9
13	Large eddy simulations of multiphase flows past a finite plate near a free surface. <i>Ocean Engineering</i> , 2019, 188, 106342.	1.9	7
14	Oxygen dissolution via pump-turbine â€” Application to wastewater treatment. <i>International Journal of Heat and Mass Transfer</i> , 2019, 131, 1052-1063.	2.5	6
15	Hydrodynamics and Mixing Characteristics in Different-Size Aspirator Bottles for Water-Accommodated Fraction Tests. <i>Journal of Environmental Engineering, ASCE</i> , 2020, 146, .	0.7	6
16	Experimental Investigation of Oil Droplet Size Distribution in Underwater Oil and Oil-Air Jet. <i>Marine Technology Society Journal</i> , 2021, 55, 196-209.	0.3	6
17	Large eddy simulations of ventilated micro hydrokinetic turbine at design and off-design operating conditions. <i>Ocean Engineering</i> , 2018, 169, 1-18.	1.9	5
18	Impact of a jet orifice on the hydrodynamics and the oil droplet size distribution. <i>International Journal of Multiphase Flow</i> , 2022, 147, 103921.	1.6	5

#	ARTICLE	IF	CITATIONS
19	Transport and Formation of OPAs in Rivers. Journal of Environmental Engineering, ASCE, 2021, 147, .	0.7	4
20	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
21	Impact of mixing and resting times on the droplet size distribution and the petroleum hydrocarbonsâ€™ concentration in diluted bitumen-based water-accommodated fractions (WAFs). Chemosphere, 2022, , 133807.	4.2	3
22	Vortex identification in turbulent flows past plates using the Lagrangian method. Canadian Journal of Physics, 2019, 97, 895-910.	0.4	1
23	Design and Characteristics of the Micro-Hydrokinetic Turbine System. , 2015, , .		0
24	Computational Fluid Dynamics Simulations in Flow Past Arrays of Finite Plate: Marine Current Energy Harvesting Applications. , 2017, , .		0
25	Large Eddy Simulations of Ventilated Micro Hydrokinetic Turbine. , 2017, , .		0
26	Mitigation of Flow-Induced Pressure Fluctuations in a Francis Turbine Using Water Injection. , 2019, , .		0
27	Stabilizing Pump-Turbine Operations Using Water Injection Passive Control. , 2019, , .		0
28	Micro-Hydrokinetic Turbine Operating in the Vicinity of a Free Surface: Multiphase Large Eddy Simulations. , 2019, , .		0
29	Experimental and Computational Study of Oil Jet in Crossflow. International Oil Spill Conference Proceedings, 2021, 2021, .	0.1	0
30	Oil droplets dispersion under a deep-water plunging breaker: Experimental measurements and numerical modeling. International Oil Spill Conference Proceedings, 2021, 2021, .	0.1	0