

Philip J W Roberts

List of Publications by Year in descending order

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34
papers

1,093
citations

471371

17
h-index

434063

31
g-index

35
all docs

35
docs citations

35
times ranked

368
citing authors

#	ARTICLE	IF	CITATIONS
1	Mixing in Inclined Dense Jets. Journal of Hydraulic Engineering, 1997, 123, 693-699.	0.7	156
2	Ocean Outfalls. I: Submerged Wastefield Formation. Journal of Hydraulic Engineering, 1989, 115, 1-25.	0.7	134
3	A 3D LIF system for turbulent buoyant jet flows. Experiments in Fluids, 2003, 35, 636-647.	1.1	73
4	Ocean Outfalls. II: Spatial Evolution of Submerged Wastefield. Journal of Hydraulic Engineering, 1989, 115, 26-48.	0.7	61
5	Ocean Outfalls. III: Effect of Diffuser Design on Submerged Wastefield. Journal of Hydraulic Engineering, 1989, 115, 49-70.	0.7	52
6	Effect of Nozzle Orientation on Dense Jets in Stagnant Environments. Journal of Hydraulic Engineering, 2015, 141, .	0.7	52
7	Dense Jet Discharges in Shallow Water. Journal of Hydraulic Engineering, 2016, 142, .	0.7	46
8	Multiport Diffusers for Dense Discharges. Journal of Hydraulic Engineering, 2014, 140, .	0.7	43
9	Plume tracking and dilution of effluent from the Boston sewage outfall. Marine Environmental Research, 2010, 70, 150-161.	1.1	41
10	Hydraulic Model Study for Boston Outfall. I: Riser Configuration. Journal of Hydraulic Engineering, 1993, 119, 970-987.	0.7	39
11	Experimental Studies on Vertical Dense Jets in a Flowing Current. Journal of Hydraulic Engineering, 2009, 135, 935-948.	0.7	39
12	Marine Wastewater Discharges from Multiport Diffusers. I: Unstratified Stationary Water. Journal of Hydraulic Engineering, 2004, 130, 1137-1146.	0.7	38
13	Modeling Mamala Bay Outfall Plumes.â€ŒI: Near Field. Journal of Hydraulic Engineering, 1999, 125, 564-573.	0.7	37
14	Field Observations of Ipanema Beach Outfall. Journal of Hydraulic Engineering, 2002, 128, 151-160.	0.7	33
15	Marine Wastewater Outfalls and Treatment Systems. Water Intelligence Online, 0, 9, .	0.3	32
16	Surface dilution of round submerged buoyant jets. Journal of Hydraulic Research/De Recherches Hydrauliques, 1991, 29, 67-89.	0.7	30
17	Multiport Diffusers for Dense Discharge in Flowing Ambient Water. Journal of Hydraulic Engineering, 2017, 143, 04017003.	0.7	30
18	Hydraulic Model Study for Boston Outfall. II: Environmental Performance. Journal of Hydraulic Engineering, 1993, 119, 988-1002.	0.7	26

#	ARTICLE	IF	CITATIONS
19	Rosette Diffusers for Dense Effluents in Flowing Currents. Journal of Hydraulic Engineering, 2018, 144, .	0.7	20
20	Mixing in Stratified Jets. Journal of Hydraulic Engineering, 2001, 127, 194-200.	0.7	16
21	UV reactor flow visualization and mixing quantification using three-dimensional laser-induced fluorescence. Water Research, 2011, 45, 3855-3862.	5.3	16
22	Rosette Diffusers for Dense Effluents. Journal of Hydraulic Engineering, 2017, 143, .	0.7	14
23	Field and Model Studies of the Boston Outfall. Journal of Hydraulic Engineering, 2011, 137, 1415-1425.	0.7	11
24	Experiments on Marine Wastewater Diffusers with Multiport Rosettes. Journal of Hydraulic Engineering, 2011, 137, 1148-1159.	0.7	11
25	Virtual Plume. Electroanalysis, 2000, 12, 974-979.	1.5	9
26	Visualizing and Quantifying Dose Distribution in a UV Reactor Using Three-Dimensional Laser-Induced Fluorescence. Environmental Science & Technology, 2012, 46, 13220-13226.	4.6	8
27	A Coupled Empirical-Numerical Model for a Buoyant River Plume in Lake Michigan. Water, Air, and Soil Pollution, 2015, 226, 1.	1.1	8
28	Modeling and Design of the Buenos Aires Outfalls. Journal of Hydraulic Engineering, 2017, 143, 05016007.	0.7	5
29	Discussion of "Vertical Round Buoyant Jet in Shallow Water" by Joseph H. W. Lee and Gerhard H. Jirka (December, 1981). Journal of Hydraulic Engineering, 1983, 109, 490-494.	0.7	3
30	Physical Model Study of an Alternating Diffuser for Thermal Discharge. Journal of Hydraulic Engineering, 2011, 137, 1027-1036.	0.7	2
31	Numerical Study on the Effect of Port Orientation on Multiple Inclined Dense Jets. Journal of Marine Science and Engineering, 2022, 10, 590.	1.2	2
32	Application of Three-Dimensional Laser-Induced Fluorescence to Thermal Diffusers. , 2002, , 1.		1
33	Disposal of Seawater Desalination Brines and the CEQA/NEPA Process. , 2017, , .		0
34	Discussion of "High-Resolution Nonhydrostatic Outfall Plume Modeling: Cross-Flow Validation" by Minna Ho, Jeroen M. Molemaker, Fayçal Kessouri, James C. McWilliams, and Timu W. Gallien. Journal of Hydraulic Engineering, 2022, 148, .	0.7	0