Pablo Huq

List of Publications by Year in descending order

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28 papers	507 citations	687363 13 h-index	677142 22 g-index
28 all docs	28 docs citations	28 times ranked	522 citing authors

#	Article	IF	Citations
1	Effects of Salinity on Bubble Cloud Characteristics. Journal of Marine Science and Engineering, 2018, 6, 1.	2.6	41
2	A Review of Methodology for Evaluating the Performance of Atmospheric Transport and Dispersion Models and Suggested Protocol for Providing More Informative Results. Fluids, 2018, 3, 20.	1.7	14
3	Optimizing the Determination of Roughness Parameters for Model Urban Canopies. Boundary-Layer Meteorology, 2018, 168, 497-515.	2.3	5
4	Effects of Salinity on Surface Lifetime of Large Individual Bubbles. Journal of Marine Science and Engineering, 2017, 5, 41.	2.6	9
5	Fluid dynamical Lorentz force law and Poynting theoremâ€"derivation and implications. Fluid Dynamics Research, 2014, 46, 055514.	1.3	14
6	Fluid dynamical Lorentz force law and Poynting theoremâ€"introduction. Fluid Dynamics Research, 2014, 46, 055513.	1.3	12
7	Measurements of Turbulence and Dispersion in Three Idealized Urban Canopies with Different Aspect Ratios and Comparisons with a Gaussian Plume Model. Boundary-Layer Meteorology, 2013, 147, 103-121.	2.3	22
8	Characteristics of bubble clouds at various wind speeds. Journal of Geophysical Research, 2012, 117, .	3.3	22
9	On the Transport of Buoyant Coastal Plumes. Journal of Physical Oceanography, 2011, 41, 620-640.	1.7	27
10	Urban Dispersion Modelling and Experiments in the Daytime and Nighttime Atmosphere. Boundary-Layer Meteorology, 2011, 139, 395-409.	2.3	15
11	Concordances among electromagnetic, fluid dynamical, and gravitational field theories. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 3476-3482.	2.1	6
12	Effects of large scale eddies and stagnation surfaces on microcrystallization. Chemical Engineering Science, 2010, 65, 1655-1667.	3.8	1
13	Evolution of helicity in fluid flows. Journal of Mathematical Physics, 2010, 51, 033520.	1.1	8
14	Lagrangian marker particle trajectory and microconductivity measurements in a mixing tank. Chemical Engineering Science, 2009, 64, 276-287.	3.8	2
15	The Role of Kelvin Number on Bulge Formation from Estuarine Buoyant Outflows. Estuaries and Coasts, 2009, 32, 709-719.	2.2	23
16	Transverse waves and vortex fields in non-relativistic fluid flows. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 1155-1158.	2.1	4
17	Vortex fields and the Lambâ€"Stokes dissipation relation of fluid dynamics. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 4474-4477.	2.1	5
18	Measurements and analysis of the turbulent Schmidt number in density stratified turbulence. Geophysical Research Letters, 2008, 35, .	4.0	10

#	Article	IF	Citations
19	The Shear Layer above and in Urban Canopies. Journal of Applied Meteorology and Climatology, 2007, 46, 368-376.	1.5	12
20	Dissipation rate correction methods. Experiments in Fluids, 2006, 40, 405-421.	2.4	5
21	The characteristics of the recirculating bulge region in coastal buoyant outflows. Journal of Marine Research, 2003, 61, 435-463.	0.3	63
22	The role of outflow geometry in the formation of the recirculating bulge region in coastal buoyant outflows. Journal of Marine Research, 2003, 61, 411-434.	0.3	41
23	Scaling Analysis for the Interaction between a Buoyant Coastal Current and the Continental Shelf: Experiments and Observations. Journal of Physical Oceanography, 2002, 32, 3233-3248.	1.7	45
24	Observations of jets in density stratified crossflows. Atmospheric Environment, 1997, 31, 2011-2022.	4.1	13
25	The bifurcation of circular jets in crossflow. Physics of Fluids, 1996, 8, 754-763.	4.0	19
26	Critical dissipation rates in density stratified turbulence. Physics of Fluids, 1995, 7, 1034-1039.	4.0	10
27	Mixing due to grid-generated turbulence of a two-layer scalar profile. Journal of Fluid Mechanics, 1995, 285, 17.	3.4	30
28	Turbulence evolution and mixing in a two-layer stably stratified fluid. Journal of Fluid Mechanics, 1995, 285, 41.	3.4	29