

Edmond Y M Lo

List of Publications by Year in descending order

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58
papers

2,289
citations

393982

19
h-index

214527

47
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59
all docs

59
docs citations

59
times ranked

1662
citing authors

#	ARTICLE	IF	CITATIONS
1	Incompressible SPH method for simulating Newtonian and non-Newtonian flows with a free surface. <i>Advances in Water Resources</i> , 2003, 26, 787-800.	1.7	835
2	Simulation of near-shore solitary wave mechanics by an incompressible SPH method. <i>Applied Ocean Research</i> , 2002, 24, 275-286.	1.8	323
3	A numerical study of water-wave modulation based on a higher-order nonlinear Schrödinger equation. <i>Journal of Fluid Mechanics</i> , 1985, 150, 395-416.	1.4	248
4	1DH Boussinesq modeling of wave transformation over fringing reefs. <i>Ocean Engineering</i> , 2012, 47, 30-42.	1.9	76
5	An imaging neural network combustion control system for utility boiler applications. <i>Combustion and Flame</i> , 1993, 94, 205-214.	2.8	60
6	Performances of Rainfall-Runoff Models Calibrated over Single and Continuous Storm Flow Events. <i>Journal of Hydrologic Engineering - ASCE</i> , 2008, 13, 597-607.	0.8	53
7	Characteristics of Monochromatic Waves Breaking over Fringing Reefs. <i>Journal of Coastal Research</i> , 2012, 29, 94.	0.1	50
8	Scale Effects in the Dynamic Transfer Functions for Cavitating Inducers. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 1982, 104, 428-433.	0.8	43
9	Slow evolution of nonlinear deep water waves in two horizontal directions: A numerical study. <i>Wave Motion</i> , 1987, 9, 245-259.	1.0	38
10	Surface-penetrating flexible membrane wave barriers of finite draft. <i>Ocean Engineering</i> , 2002, 29, 1781-1804.	1.9	37
11	Incorporating socio-economic effects and uncertain rainfall in flood mitigation decision using MCDA. <i>Natural Hazards</i> , 2017, 87, 515-531.	1.6	37
12	Nonlinear focusing of surface waves by a lens “ theory and experiment. <i>Journal of Fluid Mechanics</i> , 1983, 135, 71.	1.4	31
13	Nutrients and suspended solids in dry weather and storm flows from a tropical catchment with various proportions of rural and urban land use. <i>Journal of Environmental Management</i> , 2009, 90, 3635-3642.	3.8	26
14	Flexible Dual Membrane Wave Barrier. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , 1998, 124, 264-271.	0.5	24
15	Hydrostratigraphy and geochemistry at a coastal sandfill in Singapore. <i>Hydrogeology Journal</i> , 2007, 15, 1591-1604.	0.9	24
16	Thermal structure and variability of a shallow tropical reservoir. <i>Limnology and Oceanography</i> , 2014, 59, 115-128.	1.6	24
17	Performance of a Flexible Membrane Wave Barrier of a Finite Vertical Extent. <i>Coastal Engineering Journal</i> , 2000, 42, 237-251.	0.7	22
18	Use of Fluorescein as a Ground Water Tracer in Brackish Water Aquifers. <i>Ground Water</i> , 2007, 45, 85-88.	0.7	22

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19	A Preliminary Laboratory Study of Motion of Floating Debris Generated by Solitary Waves Running up a Beach. <i>Journal of Earthquake and Tsunami</i> , 2014, 08, 1440006.	0.7	20
20	Hydrograph Separation and Development of Empirical Relationships Using Single-Parameter Digital Filters. <i>Journal of Hydrologic Engineering - ASCE</i> , 2009, 14, 271-279.	0.8	17
21	Water and heat budgets of a shallow tropical reservoir. <i>Water Resources Research</i> , 2012, 48, .	1.7	17
22	Wave runup on a surging vertical cylinder in regular waves. <i>Applied Ocean Research</i> , 2017, 63, 229-241.	1.8	16
23	A Comparative Frequency Analysis of Maximum Daily Rainfall for a SE Asian Region under Current and Future Climate Conditions. <i>Advances in Meteorology</i> , 2017, 2017, 1-16.	0.6	16
24	Evaluating pluvial flood hazard for highly urbanised cities: a case study of the Pearl River Delta Region in China. <i>Natural Hazards</i> , 2021, 105, 1691-1719.	1.6	16
25	Analysis of spatial patterns of daily precipitation and wet spell extremes in Southeast Asia. <i>International Journal of Climatology</i> , 2017, 37, 1161-1179.	1.5	15
26	Effect of climate change and urbanisation on flood protection decision-making. <i>Journal of Flood Risk Management</i> , 2021, 14, e12681.	1.6	15
27	Signal-to-noise enhancement by underwater intensity measurements. <i>Journal of the Acoustical Society of America</i> , 1987, 82, 1450-1454.	0.5	14
28	Effect of shallow and narrow water on added mass of cylinders with various cross-sectional shapes. <i>Ocean Engineering</i> , 2005, 32, 1199-1215.	1.9	13
29	Assessing urban growth dynamics of major Southeast Asian cities using night-time light data. <i>International Journal of Remote Sensing</i> , 2017, 38, 6073-6093.	1.3	13
30	Assessment of future changes in Southeast Asian precipitation using the NASA Earth Exchange Global Daily Downscaled Projections data set. <i>International Journal of Climatology</i> , 2018, 38, 5231-5244.	1.5	13
31	Generation of Total Runoff Hydrographs Using a Method Derived from a Digital Filter Algorithm. <i>Journal of Hydrologic Engineering - ASCE</i> , 2009, 14, 101-106.	0.8	12
32	Multi-objective optimal design for flood risk management with resilience objectives. <i>Stochastic Environmental Research and Risk Assessment</i> , 2018, 32, 1147-1162.	1.9	11
33	Seasonal and Interannual Variability of Wet and Dry Spells over Two Urban Regions in the Western Maritime Continent. <i>Journal of Hydrometeorology</i> , 2016, 17, 1579-1600.	0.7	10
34	Vertical mixing in a shallow tropical reservoir. <i>Limnology</i> , 2019, 20, 279-296.	0.8	9
35	Spatio-temporal dynamics of flood exposure in Shenzhen from present to future. <i>Environment and Planning B: Urban Analytics and City Science</i> , 2021, 48, 1011-1024.	1.0	9
36	Observations of vertical eddy diffusivities in a shallow tropical reservoir. <i>Journal of Hydro-Environment Research</i> , 2015, 9, 441-451.	1.0	8

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37	The Effects of a Jet-Like Current on Gravity Waves in Shallow Water. Journal of Physical Oceanography, 1984, 14, 471-477.	0.7	7
38	Simulation of fan formation using a debris mass model. Journal of Hydraulic Research/De Recherches Hydrauliques, 2002, 40, 425-433.	0.7	7
39	Tomographic reconstruction of air temperature and density profiles using tunable diode laser absorption measurements on O ₂ . , 1995, , .		6
40	An interpolation based finite difference method on non-uniform grid for solving Navier–Stokes equations. Computers and Fluids, 2014, 101, 273-290.	1.3	6
41	An Experimental Study of Wave-Induced Set-Up Over a Horizontal Reef With an Idealized Ridge. , 2009, , .		5
42	Controlled field studies on soil aquifer treatment in a constructed coastal sandfill. Water Science and Technology, 2009, 60, 1283-1293.	1.2	5
43	An Improved Prediction for Wave Runup on a Circular Cylinder. Coastal Engineering Journal, 2017, 59, 1750013-1-1750013-19.	0.7	5
44	Modelling of Solitary Wave Run-up on an Onshore Coastal Cliff by Smoothed Particle Hydrodynamics Method. Procedia Engineering, 2015, 116, 88-96.	1.2	4
45	Cluster Analysis of Monthly Precipitation over the Western Maritime Continent under Climate Change. Climate, 2017, 5, 84.	1.2	4
46	Relationship between East Asian Cold Surges and Synoptic Patterns: A New Coupling Framework. Climate, 2019, 7, 30.	1.2	4
47	Circulation patterns in a shallow tropical reservoir: Observations and modeling. Journal of Hydro-Environment Research, 2019, 27, 75-86.	1.0	4
48	Probabilistic storm surge hazard using a steady-state surge model for the Pearl River Delta Region, China. Science of the Total Environment, 2021, 801, 149606.	3.9	3
49	Tungsten pellet fragment field characterization. International Journal of Impact Engineering, 1995, 17, 583-593.	2.4	2
50	Computation of transcritical steady flow over a curved bed with lateral contraction. Journal of Hydraulic Research/De Recherches Hydrauliques, 2003, 41, 631-637.	0.7	2
51	On the stability of shoaling Stokes waves over a slowly varying bottom. Applied Ocean Research, 2004, 26, 205-212.	1.8	2
52	DOC and UVA attenuation with soil aquifer treatment in the saturated zone of an artificial coastal sandfill. Water Science and Technology, 2010, 62, 491-500.	1.2	2
53	Experimental Study on Floating Debris Generated by Solitary Waves Running up a Composite Beach. Journal of Coastal Research, 2018, 85, 851-855.	0.1	2
54	High Wavenumber Coherent Structures in Low Re APG-Boundary-Layer Transition Flow—A Numerical Study. Fluids, 2017, 2, 21.	0.8	1

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55	Prediction of Wave Runup on Columns of Two Semi-submersibles Models. Journal of Coastal Research, 2018, 85, 1031-1035.	0.1	1
56	An Active Operator Guidance System for Ship Maneuversâ€™ Prototype System. Marine Technology Society Journal, 2008, 42, 45-56.	0.3	0
57	Geochemical changes during recharge with tertiary-treated wastewater at a coastal sandfill. Water Science and Technology, 2009, 60, 1273-1281.	1.2	0
58	Slow Modulation of Weakly Nonlinear Waves. , 1990, , 163-183.		0