

Edmond Y M Lo

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

2,289
citations

393982

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214527

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all docs

59
docs citations

59
times ranked

1662
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Effect of climate change and urbanisation on flood protection decision-making. <i>Journal of Flood Risk Management</i> , 2021, 14, e12681.	1.6	15
3	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
4	Probabilistic storm surge hazard using a steady-state surge model for the Pearl River Delta Region, China. <i>Science of the Total Environment</i> , 2021, 801, 149606.	3.9	3
5	Vertical mixing in a shallow tropical reservoir. <i>Limnology</i> , 2019, 20, 279-296.	0.8	9
6	Relationship between East Asian Cold Surges and Synoptic Patterns: A New Coupling Framework. <i>Climate</i> , 2019, 7, 30.	1.2	4
7	Circulation patterns in a shallow tropical reservoir: Observations and modeling. <i>Journal of Hydro-Environment Research</i> , 2019, 27, 75-86.	1.0	4
8	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
9	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
10	Experimental Study on Floating Debris Generated by Solitary Waves Running up a Composite Beach. <i>Journal of Coastal Research</i> , 2018, 85, 851-855.	0.1	2
11	Prediction of Wave Runup on Columns of Two Semi-submersibles Models. <i>Journal of Coastal Research</i> , 2018, 85, 1031-1035.	0.1	1
12	Wave runup on a surging vertical cylinder in regular waves. <i>Applied Ocean Research</i> , 2017, 63, 229-241.	1.8	16
13	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
14	Incorporating socio-economic effects and uncertain rainfall in flood mitigation decision using MCDA. <i>Natural Hazards</i> , 2017, 87, 515-531.	1.6	37
15	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
16	An Improved Prediction for Wave Runup on a Circular Cylinder. <i>Coastal Engineering Journal</i> , 2017, 59, 1750013-1-1750013-19.	0.7	5
17	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
18	High Wavenumber Coherent Structures in Low Re APG-Boundary-Layer Transition Flow—A Numerical Study. <i>Fluids</i> , 2017, 2, 21.	0.8	1

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19	Cluster Analysis of Monthly Precipitation over the Western Maritime Continent under Climate Change. <i>Climate</i> , 2017, 5, 84.	1.2	4
20	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
21	Modelling of Solitary Wave Run-up on an Onshore Coastal Cliff by Smoothed Particle Hydrodynamics Method. <i>Procedia Engineering</i> , 2015, 116, 88-96.	1.2	4
22	Observations of vertical eddy diffusivities in a shallow tropical reservoir. <i>Journal of Hydro-Environment Research</i> , 2015, 9, 441-451.	1.0	8
23	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
24	Thermal structure and variability of a shallow tropical reservoir. <i>Limnology and Oceanography</i> , 2014, 59, 115-128.	1.6	24
25	An interpolation based finite difference method on non-uniform grid for solving Navier-Stokes equations. <i>Computers and Fluids</i> , 2014, 101, 273-290.	1.3	6
26	Characteristics of Monochromatic Waves Breaking over Fringing Reefs. <i>Journal of Coastal Research</i> , 2012, 29, 94.	0.1	50
27	Water and heat budgets of a shallow tropical reservoir. <i>Water Resources Research</i> , 2012, 48, .	1.7	17
28	1DH Boussinesq modeling of wave transformation over fringing reefs. <i>Ocean Engineering</i> , 2012, 47, 30-42.	1.9	76
29	DOC and UVA attenuation with soil aquifer treatment in the saturated zone of an artificial coastal sandfill. <i>Water Science and Technology</i> , 2010, 62, 491-500.	1.2	2
30	An Experimental Study of Wave-Induced Set-Up Over a Horizontal Reef With an Idealized Ridge. , 2009, , .		5
31	Controlled field studies on soil aquifer treatment in a constructed coastal sandfill. <i>Water Science and Technology</i> , 2009, 60, 1283-1293.	1.2	5
32	Geochemical changes during recharge with tertiary-treated wastewater at a coastal sandfill. <i>Water Science and Technology</i> , 2009, 60, 1273-1281.	1.2	0
33	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
34	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
35	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
36	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

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37	An Active Operator Guidance System for Ship Maneuversâ€”Prototype System. Marine Technology Society Journal, 2008, 42, 45-56.	0.3	0
38	Use of Fluorescein as a Ground Water Tracer in Brackish Water Aquifers. Ground Water, 2007, 45, 85-88.	0.7	22
39	Hydrostratigraphy and geochemistry at a coastal sandfill in Singapore. Hydrogeology Journal, 2007, 15, 1591-1604.	0.9	24
40	Effect of shallow and narrow water on added mass of cylinders with various cross-sectional shapes. Ocean Engineering, 2005, 32, 1199-1215.	1.9	13
41	On the stability of shoaling Stokes waves over a slowly varying bottom. Applied Ocean Research, 2004, 26, 205-212.	1.8	2
42	Incompressible SPH method for simulating Newtonian and non-Newtonian flows with a free surface. Advances in Water Resources, 2003, 26, 787-800.	1.7	835
43	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
44	Simulation of fan formation using a debris mass model. Journal of Hydraulic Research/De Recherches Hydrauliques, 2002, 40, 425-433.	0.7	7
45	Simulation of near-shore solitary wave mechanics by an incompressible SPH method. Applied Ocean Research, 2002, 24, 275-286.	1.8	323
46	Surface-penetrating flexible membrane wave barriers of finite draft. Ocean Engineering, 2002, 29, 1781-1804.	1.9	37
47	Performance of a Flexible Membrane Wave Barrier of a Finite Vertical Extent. Coastal Engineering Journal, 2000, 42, 237-251.	0.7	22
48	Flexible Dual Membrane Wave Barrier. Journal of Waterway, Port, Coastal and Ocean Engineering, 1998, 124, 264-271.	0.5	24
49	Tungsten pellet fragment field characterization. International Journal of Impact Engineering, 1995, 17, 583-593.	2.4	2
50	Tomographic reconstruction of air temperature and density profiles using tunable diode laser absorption measurements on O2. , 1995, , .		6
51	An imaging neural network combustion control system for utility boiler applicationsâ†. Combustion and Flame, 1993, 94, 205-214.	2.8	60
52	Slow Modulation of Weakly Nonlinear Waves. , 1990, , 163-183.		0
53	Signalâ€”noise enhancement by underwater intensity measurements. Journal of the Acoustical Society of America, 1987, 82, 1450-1454.	0.5	14
54	Slow evolution of nonlinear deep water waves in two horizontal directions: A numerical study. Wave Motion, 1987, 9, 245-259.	1.0	38

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55	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
56	The Effects of a Jet-Like Current on Gravity Waves in Shallow Water. <i>Journal of Physical Oceanography</i> , 1984, 14, 471-477.	0.7	7
57	Nonlinear focusing of surface waves by a lens “ theory and experiment. <i>Journal of Fluid Mechanics</i> , 1983, 135, 71.	1.4	31
58	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