Jayantha Obeysekera

List of Publications by Year
in descending order

35	1,411	393982	414034
papers	citations	19 h-index	32 g-index

35	35	35	1578
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Compound flood modeling framework for surfaceâ€“subsurface water interactions. Natural Hazards and Earth System Sciences, 2022, 22, 775-793.	1.5	5
2	Drought in South Asia: A Review of Drought Assessment and Prediction in South Asian Countries. Atmosphere, 2021, 12, 369.	1.0	39
3	Climate Change and Changes in Compound Coastalâ€Riverine Flooding Hazard Along the U.S. Coasts. Earth's Future, 2021, 9, e2021EF002055.	2.4	66
4	Assessing geomorphic floodplain models for large scale coarse resolution 2D flood modelling in data scarce regions. Geomorphology, 2021, 389, 107841.	1.1	4
5	A Regional Frequency Analysis of Tide Gauges to Assess Pacific Coast Flood Risk. Frontiers in Marine Science, 2020, 7, .	1.2	7
6	Chronic and Acute Coastal Flood Risks to Assets and Communities in Southeast Florida. Journal of Water Resources Planning and Management - ASCE, 2020, 146, .	1.3	25
7	Evaluating the performance of climate models in reproducing the hydrological characteristics of rainfall events. Hydrological Sciences Journal, 2020, 65, 1490-1511.	1.2	10
8	Multivariate statistical modelling of the drivers of compound flood events in south Florida. Natural Hazards and Earth System Sciences, 2020, 20, 2681-2699.	1.5	52
9	Probability Distribution and Risk of the First Occurrence of k Extreme Hydrologic Events. Journal of Hydrologic Engineering - ASCE, 2019, 24, .	0.8	9
10	Shifting Ground: Landscape-Scale Modeling of Biogeochemical Processes under Climate Change in the Florida Everglades. Environmental Management, 2019, 64, 416-435.	1.2	4
11	Rising Sea Levels: Helping Decision-Makers Confront the Inevitable. Coastal Management, 2019, 47, 127-150.	1.0	23
12	South Asian perspective on temperature and rainfall extremes: A review. Atmospheric Research, 2019, 225, 110-120.	1.8	63
13	A Coherent Statistical Model for Coastal Flood Frequency Analysis Under Nonstationary Sea Level Conditions. Earth's Future, 2019, 7, 162-177.	2.4	56
14	Five Decadal Trends in Averages and Extremes of Rainfall and Temperature in Sri Lanka. Advances in Meteorology, 2018, 2018, 1-13.	0.6	32
15	Downscaled rainfall projections in south Florida using self-organizing maps. Science of the Total Environment, 2018, 635, 1110-1123.	3.9	18
16	Florida Climate Variability and Prediction. , 2017, , .		7
17	Frequency of Recurrent Extremes under Nonstationarity. Journal of Hydrologic Engineering - ASCE, 2016, 21, .	0.8	57
18	Climate Sensitivity Runs and Regional Hydrologic Modeling for Predicting the Response of the Greater Florida Everglades Ecosystem to Climate Change. Environmental Management, 2015, 55, 749-762.	1.2	62

#	Article	IF	Citations
19	Quantifying the Uncertainty of Design Floods under Nonstationary Conditions. Journal of Hydrologic Engineering - ASCE, 2014, 19, 1438-1446.	0.8	104
20	Revisiting the Concepts of Return Period and Risk for Nonstationary Hydrologic Extreme Events. Journal of Hydrologic Engineering - ASCE, 2014, 19, 554-568.	0.8	374
21	Historical trends in Florida temperature and precipitation. Hydrological Processes, 2013, 27, 2225-2246.	1.1	27
22	Validating climate models for computing evapotranspiration in hydrologic studies: how relevant are climate model simulations over Florida?. Regional Environmental Change, 2013, 13, 81-90.	1.4	8
23	Return Period and Risk for Nonstationary Hydrologic Extreme Events. , 2013, , .		7
24	Probabilistic Projection of Mean Sea Level and Coastal Extremes. Journal of Waterway, Port, Coastal and Ocean Engineering, 2013, 139, 135-141.	0.5	7
25	Physical Climate Forces. , 2012, , 10-51.		0
26	Use of Hydrologic and Hydrodynamic Modeling for Ecosystem Restoration. Critical Reviews in Environmental Science and Technology, 2011, 41, 447-488.	6.6	14
27	Climate change and its implications for water resources management in south Florida. Stochastic Environmental Research and Risk Assessment, 2011, 25, 495-516.	1.9	74
28	Storm surge projections and implications for water management in South Florida. Climatic Change, 2011, 107, 109-128.	1.7	21
29	Pan evaporation and potential evapotranspiration trends in South Florida. Hydrological Processes, 2011, 25, 958-969.	1.1	70
30	Climate Links and Variability of Extreme Sea-Level Events at Key West, Pensacola, and Mayport, Florida. Journal of Waterway, Port, Coastal and Ocean Engineering, 2010, 136, 350-356.	0.5	18
31	Simulation of daily rainfall scenarios with interannual and multidecadal climate cycles for South Florida. Stochastic Environmental Research and Risk Assessment, 2009, 23, 879-896.	1.9	47
32	Multilayer Control Hierarchy for Water Management Decisions in Integrated Hydrologic Simulation Model. Journal of Water Resources Planning and Management - ASCE, 2007, 133, 117-125.	1.3	6
33	Sigmoidal Activation of Proportional Integral Control Applied to Water Management. Journal of Water Resources Planning and Management - ASCE, 2005, 131, 292-298.	1.3	2
34	SIMULATING FLOW IN REGIONAL WETLANDS WITH THE MODFLOW WETLANDS PACKAGE 1. Journal of the American Water Resources Association, 2001, 37, 655-674.	1.0	22
35	A Wetland Simulation Module for the MODFLOW Ground Water Model. Ground Water, 1998, 36, 764-770.	0.7	71