

Jayantha Obeysekera

List of Publications by Year in descending order

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35
papers

1,411
citations

393982

19
h-index

414034

32
g-index

35
all docs

35
docs citations

35
times ranked

1578
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Quantifying the Uncertainty of Design Floods under Nonstationary Conditions. Journal of Hydrologic Engineering - ASCE, 2014, 19, 1438-1446.	0.8	104
3	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
4	A Wetland Simulation Module for the MODFLOW Ground Water Model. Ground Water, 1998, 36, 764-770.	0.7	71
5	Pan evaporation and potential evapotranspiration trends in South Florida. Hydrological Processes, 2011, 25, 958-969.	1.1	70
6	Climate Change and Changes in Compound Coastal Riverine Flooding Hazard Along the U.S. Coasts. Earth's Future, 2021, 9, e2021EF002055.	2.4	66
7	South Asian perspective on temperature and rainfall extremes: A review. Atmospheric Research, 2019, 225, 110-120.	1.8	63
8	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
9	Frequency of Recurrent Extremes under Nonstationarity. Journal of Hydrologic Engineering - ASCE, 2016, 21, .	0.8	57
10	A Coherent Statistical Model for Coastal Flood Frequency Analysis Under Nonstationary Sea Level Conditions. Earth's Future, 2019, 7, 162-177.	2.4	56
11	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
12	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
13	Drought in South Asia: A Review of Drought Assessment and Prediction in South Asian Countries. Atmosphere, 2021, 12, 369.	1.0	39
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	Historical trends in Florida temperature and precipitation. Hydrological Processes, 2013, 27, 2225-2246.	1.1	27
16	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
17	Rising Sea Levels: Helping Decision-Makers Confront the Inevitable. Coastal Management, 2019, 47, 127-150.	1.0	23
18	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

#	ARTICLE	IF	CITATIONS
19	Storm surge projections and implications for water management in South Florida. Climatic Change, 2011, 107, 109-128.	1.7	21
20	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
21	Downscaled rainfall projections in south Florida using self-organizing maps. Science of the Total Environment, 2018, 635, 1110-1123.	3.9	18
22	Use of Hydrologic and Hydrodynamic Modeling for Ecosystem Restoration. Critical Reviews in Environmental Science and Technology, 2011, 41, 447-488.	6.6	14
23	Evaluating the performance of climate models in reproducing the hydrological characteristics of rainfall events. Hydrological Sciences Journal, 2020, 65, 1490-1511.	1.2	10
24	Probability Distribution and Risk of the First Occurrence of k Extreme Hydrologic Events. Journal of Hydrologic Engineering - ASCE, 2019, 24, .	0.8	9
25	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
26	Return Period and Risk for Nonstationary Hydrologic Extreme Events. , 2013, , .		7
27	Probabilistic Projection of Mean Sea Level and Coastal Extremes. Journal of Waterway, Port, Coastal and Ocean Engineering, 2013, 139, 135-141.	0.5	7
28	A Regional Frequency Analysis of Tide Gauges to Assess Pacific Coast Flood Risk. Frontiers in Marine Science, 2020, 7, .	1.2	7
29	Florida Climate Variability and Prediction. , 2017, , .		7
30	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
31	Compound flood modeling framework for surface—subsurface water interactions. Natural Hazards and Earth System Sciences, 2022, 22, 775-793.	1.5	5
32	Shifting Ground: Landscape-Scale Modeling of Biogeochemical Processes under Climate Change in the Florida Everglades. Environmental Management, 2019, 64, 416-435.	1.2	4
33	Assessing geomorphic floodplain models for large scale coarse resolution 2D flood modelling in data scarce regions. Geomorphology, 2021, 389, 107841.	1.1	4
34	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
35	Physical Climate Forces. , 2012, , 10-51.		0