Taha B M J Ouarda

List of Publications by Year
in descending order

66 papers	2,526 citations	230014 27 h-index	242451 47 g-index
68 all docs	68 docs citations	68 times ranked	2515 citing authors

#	Article	IF	Citations
1	Data-Enhancement Strategies in Weather-Related Health Studies. International Journal of Environmental Research and Public Health, 2022, 19, 906.	1.2	2
2	Extreme Sea Level Estimation Combining Systematic Observed Skew Surges and Historical Record Sea Levels. Water Resources Research, 2022, 58, .	1.7	6
3	Heat-related mortality prediction using low-frequency climate oscillation indices: Case studies of the cities of MontrÃ©al and QuÃ©bec, Canada. Environmental Epidemiology, 2022, 6, e206.	1.4	3
4	Regional thermal analysis approach: A management tool for predicting water temperature metrics relevant for thermal fish habitat. Ecological Informatics, 2022, 70, 101692.	2.3	14
5	Short-term forecasting of spring freshet peak flow with the Generalized Additive model. Journal of Hydrology, 2022, 612, 128089.	2.3	2
6	Regional hydrological frequency analysis at ungauged sites with random forest regression. Journal of Hydrology, 2021, 594, 125861.	2.3	73
7	Multivariate non-stationary hydrological frequency analysis. Journal of Hydrology, 2021, 593, 125907.	2.3	33
8	Modeling directional distributions of wind data in the United Arab Emirates at different elevations. Arabian Journal of Geosciences, 2021, 14, 1.	0.6	1
9	Non-stationary statistical modelling of wind speed: A case study in eastern Canada. Energy Conversion and Management, 2021, 236, 114028.	4.4	7
10	Climate teleconnections, interannual variability, and evolution of the rainfall regime in a tropical Caribbean island: case study of Barbados. Theoretical and Applied Climatology, 2021, 145, 619-638.	1.3	3
11	A heat-health watch and warning system with extended season and evolving thresholds. BMC Public Health, 2021, 21, 1479.	1.2	11
12	River water temperature quantiles as thermal stress indicators: Case study in Switzerland. Ecological Indicators, 2021, 131, 108234.	2.6	10
13	A Non-Stationary Heat Spell Frequency, Intensity, and Duration Model for France, Integrating Teleconnection Patterns and Climate Change. Atmosphere, 2021, 12, 1387.	1.0	4
14	Uncertainty of stationary and nonstationary models for rainfall frequency analysis. International Journal of Climatology, 2020, 40, 2373-2392.	1.5	17
15	A Network Approach for Delineating Homogeneous Regions in Regional Flood Frequency Analysis. Water Resources Research, 2020, 56, e2019WR025910.	1.7	19
16	Change point detection of flood events using a functional data framework. Advances in Water Resources, 2020, 137, 103522.	1.7	7
17	Toward an Improved Air Pollution Warning System in Quebec. International Journal of Environmental Research and Public Health, 2019, 16, 2095.	1.2	12
18	Multivariate Nonstationary Oscillation Simulation of Climate Indices With Empirical Mode Decomposition. Water Resources Research, 2019, 55, 5033-5052.	1.7	11

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19	Multiple streamflow time series modeling using VARâ€“MGARCH approach. Stochastic Environmental Research and Risk Assessment, 2019, 33, 407-425.	1.9	17
20	Nonstationary warm spell frequency analysis integrating climate variability and change with application to the Middle East. Climate Dynamics, 2019, 53, 5329-5347.	1.7	10
21	Changes in the distribution of hydro-climatic extremes in a non-stationary framework. Scientific Reports, 2019, 9, 8104.	1.6	31
22	Nonâ€stationary intensityâ€durationâ€frequency curves integrating information concerning teleconnections and climate change. International Journal of Climatology, 2019, 39, 2306-2323.	1.5	52
23	Aggregating the response in time series regression models, applied to weather-related cardiovascular mortality. Science of the Total Environment, 2018, 628-629, 217-225.	3.9	11
24	A functional framework for flow-duration-curve and daily streamflow estimation at ungauged sites. Advances in Water Resources, 2018, 113, 328-340.	1.7	19
25	Nonlinear response of precipitation to climate indices using a nonâ€stationary Poissonâ€generalized Pareto model: case study of southeastern Canada. International Journal of Climatology, 2018, 38, e875.	1.5	21
26	EMD-regression for modelling multi-scale relationships, and application to weather-related cardiovascular mortality. Science of the Total Environment, 2018, 612, 1018-1029.	3.9	16
27	A new look at weather-related health impacts through functional regression. Scientific Reports, 2018, 8, 15241.	1.6	14
28	Nonstationary Temperature-Duration-Frequency curves. Scientific Reports, 2018, 8, 15493.	1.6	34
29	Nonstationary frequency analysis of extreme daily precipitation amounts in Southeastern Canada using a peaks-over-threshold approach. Theoretical and Applied Climatology, 2017, 129, 413-426.	1.3	51
30	Teleconnections and analysis of long-term wind speed variability in the UAE. International Journal of Climatology, 2017, 37, 230-248.	1.5	51
31	North Atlantic controls on wintertime warm extremes and aridification trends in the Middle East. Scientific Reports, 2017, 7, 12301.	1.6	15
32	Flood Frequency Analysis at Ungauged Sites Based on Regionally Estimated Streamflows. Journal of Hydrometeorology, 2017, 18, 2521-2539.	0.7	15
33	Historical and Projected Surface Temperature over India during the 20th and 21st century. Scientific Reports, 2017, 7, 2987.	1.6	116
34	Heterogeneity measures in hydrological frequency analysis: review and new developments. Hydrology and Earth System Sciences, 2017, 21, 1651-1668.	1.9	13
35	Water Budget Analysis in Arid Regions, Application to the United Arab Emirates. Water (Switzerland), 2016, 8, 415.	1.2	22
36	Comparison of direct statistical and indirect statistical-deterministic frameworks in downscaling river low-flow indices. Hydrological Sciences Journal, 2016, 61, 1996-2010.	1.2	8

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37	Streamflow forecasting using functional regression. Journal of Hydrology, 2016, 538, 754-766.	2.3	32
38	Heterogeneous mixture distributions for modeling wind speed, application to the UAE. Renewable Energy, 2016, 91, 40-52.	4.3	57
39	Atmospheric Predictors for Annual Maximum Precipitation in North Africa. Journal of Applied Meteorology and Climatology, 2016, 55, 1063-1076.	0.6	14
40	Streamflow Hydrograph Classification Using Functional Data Analysis. Journal of Hydrometeorology, 2016, 17, 327-344.	0.7	28
41	A Nonlinear Approach to Regional Flood Frequency Analysis Using Projection Pursuit Regression. Journal of Hydrometeorology, 2015, 16, 1561-1574.	0.7	26
42	Adaptation of Water Resources Management to Changing Climate: The Role of Intensity-Duration-Frequency Curves. International Journal of Environmental Science and Development, 2015, 6, 478-483.	0.2	12
43	Modeling climate effects on hip fracture rate by the multivariate GARCH model in Montreal region, Canada. International Journal of Biometeorology, 2014, 58, 921-930.	1.3	16
44	A general and flexible methodology to define thresholds for heat health watch and warning systems, applied to the province of QuÃ©bec (Canada). International Journal of Biometeorology, 2013, 57, 631-644.	1.3	34
45	Databased comparison of Sparse Bayesian Learning and Multiple Linear Regression for statistical downscaling of low flow indices. Journal of Hydrology, 2013, 488, 136-149.	2.3	22
46	Bayesian Estimation for GEV-B-Spline Model. Open Journal of Statistics, 2013, 03, 118-128.	0.3	14
47	Improved methods for daily streamflow estimates at ungauged sites. Water Resources Research, 2012, 48, .	1.7	86
48	Exploratory functional flood frequency analysis and outlier detection. Water Resources Research, 2012, 48, .	1.7	69
49	Predictor selection for downscaling GCM data with LASSO. Journal of Geophysical Research, 2012, 117, .	3.3	54
50	Estimation of water quality characteristics at ungauged sites using artificial neural networks and canonical correlation analysis. Journal of Hydrology, 2011, 405, 277-287.	2.3	135
51	Evolution of low flows in the Czech Republic. Journal of Hydrology, 2010, 393, 206-218.	2.3	49
52	Spatial variability of climate effects on ischemic heart disease hospitalization rates for the period 1989-2006 in Quebec, Canada. International Journal of Health Geographics, 2010, 9, 5.	1.2	69
53	Joint Bayesian model selection and parameter estimation of the generalized extreme value model with covariates using birthâ€death Markov chain Monte Carlo. Water Resources Research, 2009, 45, .	1.7	37
54	Automated regression-based statistical downscaling tool. Environmental Modelling and Software, 2008, 23, 813-834.	1.9	231

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55	Comparison of ice-affected streamflow estimates computed using artificial neural networks and multiple regression techniques. Journal of Hydrology, 2008, 349, 383-396.	2.3	58
56	Non-stationary regional flood frequency analysis at ungauged sites. Journal of Hydrology, 2007, 343, 254-265.	2.3	146
57	Regional floodâ€“rainfall duration-frequency modeling at small ungaged sites. Journal of Hydrology, 2007, 345, 61-69.	2.3	17
58	Regional flood-durationâ€“frequency modeling in the changing environment. Journal of Hydrology, 2006, 318, 276-291.	2.3	78
59	Spring flood analysis using the flood-duration-frequency approach: application to the provinces of Quebec and Ontario, Canada. Hydrological Processes, 2003, 17, 3717-3736.	1.1	39
60	Development of regional flood-durationâ€“frequency curves based on the index-flood method. Journal of Hydrology, 2002, 258, 249-259.	2.3	81
61	Regional flood frequency estimation with canonical correlation analysis. Journal of Hydrology, 2001, 254, 157-173.	2.3	234
62	Regional Flood Peak and Volume Estimation in Northern Canadian Basin. Journal of Cold Regions Engineering - ASCE, 2000, 14, 176-191.	0.5	72
63	On some methods of fitting the generalized Pareto distribution. Journal of Hydrology, 1996, 177, 117-141.	2.3	42
64	Comparaison des mÃ©thodes dâ€™estimation des paramÃ¨tres du modÃ¨le GEV non stationnaire. Revue Des Sciences De L'Eau, 0, 21, 35-50.	0.2	15
65	Machine learning approaches to identify thresholds in a heatâ€health warning system context. Journal of the Royal Statistical Society Series A: Statistics in Society, 0, , .	0.6	3
66	Constrained groupwise additive index models. Biostatistics, 0, , .	0.9	0