Taha Bmj Ouarda

List of Publications by Year
in descending order

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65 papers	2,529 citations	201575 27 h-index	214721 47 g-index

65 all docs	65 docs citations	65 times ranked	2294 citing authors

#	Article	IF	Citations
1	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
2	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
3	Short-term forecasting of spring freshet peak flow with the Generalized Additive model. Journal of Hydrology, 2022, 612, 128089.	2.3	2
4	Regional hydrological frequency analysis at ungauged sites with random forest regression. Journal of Hydrology, 2021, 594, 125861.	2.3	73
5	Diversity-driven ANN-based ensemble framework for seasonal low-flow analysis at ungauged sites. Advances in Water Resources, 2021, 147, 103814.	1.7	11
6	Groundwater level modeling with hybrid artificial intelligence techniques. Journal of Hydrology, 2021, 595, 125659.	2.3	27
7	Climate change and extreme river temperature. , 2021, , 25-37.		4
8	Multivariate non-stationary hydrological frequency analysis. Journal of Hydrology, 2021, 593, 125907.	2.3	33
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	River water temperature quantiles as thermal stress indicators: Case study in Switzerland. Ecological Indicators, 2021, 131, 108234.	2.6	10
11	Long-term forecasting of wind speed in the UAE using nonlinear canonical correlation analysis (NLCCA). Arabian Journal of Geosciences, 2020, 13, 1.	0.6	8
12	A cold-health watch and warning system, applied to the province of Quebec (Canada). Science of the Total Environment, 2020, 741, 140188.	3.9	7
13	Change point detection of flood events using a functional data framework. Advances in Water Resources, 2020, 137, 103522.	1.7	7
14	Short-term air temperature forecasting using Nonparametric Functional Data Analysis and SARMA models. Environmental Modelling and Software, 2019, 111, 394-408.	1.9	35
15	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
16	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
17	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
18	On the mixture of wind speed distribution in a Nordic region. Energy Conversion and Management, 2018, 174, 33-44.	4.4	53

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19	Low-flow frequency analysis at ungauged sites based on regionally estimated streamflows. Journal of Hydrology, 2018, 563, 523-532.	2.3	19
20	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
21	Wind-powered desalination for strategic water storage: Techno-economic assessment of concept. Desalination, 2017, 408, 36-51.	4.0	51
22	Classification of drainage network types in the arid and semi-arid regions of Arizona and California. Journal of Arid Environments, 2017, 144, 60-73.	1.2	12
23	Regional frequency analysis using Growing Neural Gas network. Journal of Hydrology, 2017, 550, 92-102.	2.3	20
24	Multivariate missing data in hydrology â€“ Review and applications. Advances in Water Resources, 2017, 110, 299-309.	1.7	49
25	Multivariate regional frequency analysis: Two new methods to increase the accuracy of measures. Advances in Water Resources, 2017, 107, 290-300.	1.7	10
26	Streamflow forecasting using functional regression. Journal of Hydrology, 2016, 538, 754-766.	2.3	32
27	Heterogeneous mixture distributions for modeling wind speed, application to the UAE. Renewable Energy, 2016, 91, 40-52.	4.3	57
28	On the prediction of extreme flood quantiles at ungauged locations with spatial copula. Journal of Hydrology, 2016, 533, 523-532.	2.3	41
29	Improved classification of drainage networks using junction angles and secondary tributary lengths. Geomorphology, 2015, 239, 41-47.	1.1	39
30	Regional low-flow frequency analysis with a recession parameter from a non-linear reservoir model. Journal of Hydrology, 2015, 524, 468-475.	2.3	18
31	Regional frequency analysis at ungauged sites using a two-stage resampling generalized ensemble framework. Advances in Water Resources, 2015, 84, 103-111.	1.7	25
32	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
33	Testing for multivariate trends in hydrologic frequency analysis. Journal of Hydrology, 2013, 486, 519-530.	2.3	68
34	Artificial neural network based model for retrieval of the direct normal, diffuse horizontal and global horizontal irradiances using SEVIRI images. Solar Energy, 2013, 89, 1-16.	2.9	59
35	Dust detection over bright surfaces using high-resolution visible SEVIRI images. , 2012, , .		3
36	Regional estimation of extreme suspended sediment concentrations using watershed characteristics. Journal of Hydrology, 2010, 380, 305-317.	2.3	43

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37	Comparison of parametric and non-parametric estimations of the annual date of positive water temperature onset. Journal of Hydrology, 2010, 390, 75-84.	2.3	7
38	Evolution of low flows in the Czech Republic. Journal of Hydrology, 2010, 393, 206-218.	2.3	49
39	Estimation of local extreme suspended sediment concentrations in California Rivers. Science of the Total Environment, 2010, 408, 4221-4229.	3.9	21
40	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
41	Feasibility study of a geostatistical modelling of monthly maximum stream temperatures in a multivariate space. Journal of Hydrology, 2009, 364, 1-12.	2.3	29
42	Diagnostic study and modeling of the annual positive water temperature onset. Journal of Hydrology, 2009, 370, 29-38.	2.3	10
43	Trends in the timing and magnitude of floods in Canada. Journal of Hydrology, 2009, 375, 471-480.	2.3	159
44	Automated regression-based statistical downscaling tool. Environmental Modelling and Software, 2008, 23, 813-834.	1.9	231
45	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
46	Ã‰tude de la loi conjointe dÃ©bit-niveau par les copules : Cas de la riviÃ¨re ChÃ¢teauguay. Canadian Journal of Civil Engineering, 2008, 35, 1128-1137.	0.7	11
47	Statistical Models and the Estimation of Low Flows. Canadian Water Resources Journal, 2008, 33, 195-206.	0.5	41
48	Introduction to the Special Issue on Low-Flow Prediction in Ungauged Basins (PUB) in Canada. Canadian Water Resources Journal, 2008, 33, 103-106.	0.5	6
49	A Review of Statistical Water Temperature Models. Canadian Water Resources Journal, 2007, 32, 179-192.	0.5	168
50	Non-stationary regional flood frequency analysis at ungauged sites. Journal of Hydrology, 2007, 343, 254-265.	2.3	146
51	Regional floodâ€“rainfall duration-frequency modeling at small ungaged sites. Journal of Hydrology, 2007, 345, 61-69.	2.3	17
52	Suspended Sediment Concentrations Downstream of a Harvested Peat Bog: Analysis and Preliminary Modelling of Exceedances Using Logistic Regression. Canadian Water Resources Journal, 2006, 31, 139-156.	0.5	15
53	Regional flood-durationâ€“frequency modeling in the changing environment. Journal of Hydrology, 2006, 318, 276-291.	2.3	78
54	MÃ©thodes de dÃ©sagrÃ©gation appliquÃ©es aux ModÃ¨les du Climat Global AtmosphÃ¨re-OcÃ©an (MCGAO). Revue Des Sciences De L'Eau, 2006, 19, 297-312.	0.2	7

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55	MULTIVARIATE ANALYSIS OF WATER QUALITY IN THE RICHIBUCTO DRAINAGE BASIN (NEW BRUNSWICK,) Tj ETQq1 1 0.784314 rgBT	1.0	16
56	Ã‰tude du biais dans le modÃ¨le log-linÃ©aire d'estimation rÃ©gionale. Canadian Journal of Civil Engineering, 2004, 31, 361-368.	0.7	13
57	Estimation rÃ©gionale par la mÃ©thode de l'analyse canonique des corrÃ©lations: comparaison des types de variables hydrologiques. Canadian Journal of Civil Engineering, 2002, 29, 899-910.	0.7	11
58	Development of regional flood-durationâ€“frequency curves based on the index-flood method. Journal of Hydrology, 2002, 258, 249-259.	2.3	81
59	Regional flood frequency estimation with canonical correlation analysis. Journal of Hydrology, 2001, 254, 157-173.	2.3	234
60	DÃ©veloppement de modÃ¨les de queues et d'invariance d'Ã©chelle pour l'estimation rÃ©gionale des dÃ©bits d'Ã©tiage. Canadian Journal of Civil Engineering, 2001, 28, 291-304.	0.7	8
61	On some methods of fitting the generalized Pareto distribution. Journal of Hydrology, 1996, 177, 117-141.	2.3	42
62	Une Ã©valuation de la robustesse de la mÃ©thode du krigeage canonique pour lâ€™analyse rÃ©gionale des dÃ©bits. Revue Des Sciences De L'Eau, 0, 20, 367-380.	0.2	6
63	SynthÃ¨se des dÃ©veloppements rÃ©cents en analyse rÃ©gionale des extrÃªmes hydrologiques. Revue Des Sciences De L'Eau, 0, 21, 219-232.	0.2	19
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