

Ousmane Seidou

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

1,322
citations

394421

19
h-index

377865

34
g-index

58
all docs

58
docs citations

58
times ranked

1864
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessing the impacts of climate change on climatic extremes in the Congo River Basin. <i>Climatic Change</i> , 2022, 170, 40.	3.6	12
2	Predicted Rainfall, Surface Runoff and Water Yield Responses to Climate Change in the Phetchaburi River Basin, Thailand. <i>Asian Journal of Water, Environment and Pollution</i> , 2022, 19, 1-13.	0.5	0
3	Predicting water quality trends resulting from forest cover change in an agriculturally dominated river basin in Eastern Ontario, Canada. <i>Water Quality Research Journal of Canada</i> , 2021, 56, 218-238.	2.7	4
4	Influence of output size of stochastic weather generators on common climate and hydrological statistical indices. <i>Stochastic Environmental Research and Risk Assessment</i> , 2020, 34, 993-1021.	4.0	3
5	High-Resolution, Integrated Hydrological Modeling of Climate Change Impacts on a Semi-Arid Urban Watershed in Niamey, Niger. <i>Water (Switzerland)</i> , 2020, 12, 364.	2.7	8
6	Development of a time-varying MODIS/ 2D hydrodynamic model relationship between water levels and flooded areas in the Inner Niger Delta, Mali, West Africa. <i>Journal of Hydrology: Regional Studies</i> , 2020, 30, 100703.	2.4	8
7	Assessment of Climate Change Impacts on Extreme High and Low Flows: An Improved Bottom-Up Approach. <i>Water (Switzerland)</i> , 2019, 11, 1236.	2.7	15
8	Improving the Accuracy of Hydrodynamic Simulations in Data Scarce Environments Using Bayesian Model Averaging: A Case Study of the Inner Niger Delta, Mali, West Africa. <i>Water (Switzerland)</i> , 2019, 11, 1766.	2.7	7
9	The adequacy of stochastically generated climate time series for water resources systems risk and performance assessment. <i>Stochastic Environmental Research and Risk Assessment</i> , 2019, 33, 253-269.	4.0	15
10	Estimation of the added value of using rainfall-runoff transformation and statistical models for seasonal streamflow forecasting. <i>Hydrological Sciences Journal</i> , 2018, 63, 630-645.	2.6	4
11	Continuous prediction of clay-bed stream erosion in response to climate model output for a small urban watershed. <i>Hydrological Processes</i> , 2018, 32, 1104-1119.	2.6	2
12	Comparison of 2D triangular C-grid shallow water models. <i>Computers and Fluids</i> , 2018, 161, 136-154.	2.5	4
13	Quantifying the Sustainability of Water Availability for the Water-Food-Energy-Ecosystem Nexus in the Niger River Basin. <i>Earth's Future</i> , 2018, 6, 1292-1310.	6.3	40
14	Evaluation of sources of uncertainty in projected hydrological changes under climate change in 12 large-scale river basins. <i>Climatic Change</i> , 2017, 141, 419-433.	3.6	192
15	Water Balance Analysis over the Niger Inland Delta-Mali: Spatio-Temporal Dynamics of the Flooded Area and Water Losses. <i>Hydrology</i> , 2017, 4, 40.	3.0	6
16	THE REALISM OF STOCHASTIC WEATHER GENERATORS IN RISK DISCOVERY., 2017, , .		2
17	Reply to comment by Spyros Beltaos on "Estimation of composite hydraulic resistance in ice-covered alluvial streams". <i>Water Resources Research</i> , 2016, 52, 9665-9670.	4.2	0
18	Estimation of composite hydraulic resistance in ice-covered alluvial streams. <i>Water Resources Research</i> , 2016, 52, 1306-1327.	4.2	24

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19	Projection of Significant Wave Height in a Coastal Area under RCPs Climate Change Scenarios. <i>Natural Hazards Review</i> , 2016, 17, 04015016.	1.5	12
20	Review of the Kalman-type hydrological data assimilation. <i>Hydrological Sciences Journal</i> , 2016, 61, 2348-2366.	2.6	53
21	A well-balanced positivity-preserving central-upwind scheme for shallow water equations on unstructured quadrilateral grids. <i>Computers and Fluids</i> , 2016, 126, 25-40.	2.5	27
22	Using AnnAGNPS to Predict the Effects of Tile Drainage Control on Nutrient and Sediment Loads for a River Basin. <i>Journal of Environmental Quality</i> , 2015, 44, 629-641.	2.0	17
23	Linear and Non-Linear Approaches for Statistical Seasonal Rainfall Forecast in the Sirba Watershed Region (SAHEL). <i>Climate</i> , 2015, 3, 727-752.	2.8	14
24	Long-Term Observations of Nitrogen and Phosphorus Export in Paired-Agricultural Watersheds under Controlled and Conventional Tile Drainage. <i>Journal of Environmental Quality</i> , 2015, 44, 1589-1604.	2.0	43
25	Statistical seasonal streamflow forecasting using probabilistic approach over West African Sahel. <i>Natural Hazards</i> , 2015, 79, 699-722.	3.4	7
26	Combined impacts of future climate and land use changes on discharge, nitrogen and phosphorus loads for a Canadian river basin. <i>Journal of Environmental Management</i> , 2015, 151, 76-86.	7.8	148
27	Changes to flow regime on the Niger River at Koulikoro under a changing climate. <i>Hydrological Sciences Journal</i> , 2015, 60, 1709-1723.	2.6	35
28	Comparison of downscaling methods for mean and extreme precipitation in Senegal. <i>Journal of Hydrology: Regional Studies</i> , 2015, 4, 369-385.	2.4	34
29	Development and assessment of non-linear and non-stationary seasonal rainfall forecast models for the Sirba watershed, West Africa. <i>Journal of Hydrology: Regional Studies</i> , 2015, 4, 134-152.	2.4	8
30	Analysis of triangular C-grid finite volume scheme for shallow water flows. <i>Advances in Water Resources</i> , 2015, 82, 176-195.	3.8	3
31	Inconsistent linear trends in Senegalese rainfall indices from 1950 to 2007. <i>Hydrological Sciences Journal</i> , 2015, 60, 1538-1549.	2.6	11
32	Prediction of land-use conversions for use in watershed-scale hydrological modeling: a Canadian case study. <i>Canadian Geographer / Géographie Canadien</i> , 2014, 58, 499-516.	1.5	7
33	Modeling the Hydrological Dynamic of the Breeding Water Bodies in Barkedji's Zone. <i>Journal of Water Resource and Protection</i> , 2014, 06, 741-755.	0.8	4
34	Recent trends in selected extreme precipitation indices in Senegal – A changepoint approach. <i>Journal of Hydrology</i> , 2013, 505, 326-334.	5.4	36
35	Analysis of changes in the Great Lakes hydro-climatic variables. <i>Journal of Great Lakes Research</i> , 2013, 39, 383-394.	1.9	8
36	Application of the Chebyshev pseudospectral method to van der Waals fluids. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2012, 17, 3499-3507.	3.3	4

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37	Climate change impacts on extreme floods II: improving flood future peaks simulation using non-stationary frequency analysis. <i>Natural Hazards</i> , 2012, 60, 715-726.	3.4	20
38	Climate change impacts on extreme floods I: combining imperfect deterministic simulations and non-stationary frequency analysis. <i>Natural Hazards</i> , 2012, 61, 647-659.	3.4	38
39	Estimation of ice thickness on lakes using artificial neural network ensembles. <i>Journal of Hydrology</i> , 2010, 383, 330-340.	5.4	72
40	A Bayesian normal homogeneity test for the detection of artificial discontinuities in climatic series. <i>International Journal of Climatology</i> , 2010, 30, 2342-2357.	3.5	13
41	Statistical Approach to Model the Deep Draft Ships'squat in the St. Lawrence Waterway. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , 2009, 135, 80-90.	1.2	10
42	Intercomparison of homogenization techniques for precipitation data continued: Comparison of two recent Bayesian change point models. <i>Water Resources Research</i> , 2009, 45, .	4.2	28
43	Intercomparison of homogenization techniques for precipitation data. <i>Water Resources Research</i> , 2008, 44, .	4.2	52
44	Simple and Multiple Change Point Detection in Multiple Linear Regression and Application to Hydroclimatic Variables. , 2008, , .		1
45	Synthèse des techniques d'homogénéisation des séries climatiques et analyse d'applicabilité aux séries de précipitations. <i>Hydrological Sciences Journal</i> , 2007, 52, 18-37.	2.6	26
46	Reservoir storage loss due to grounded ice during winter operation. <i>Journal of Hydrology</i> , 2007, 335, 15-24.	5.4	9
47	Bayesian multivariate linear regression with application to change point models in hydrometeorological variables. <i>Water Resources Research</i> , 2007, 43, .	4.2	45
48	Recursion-based multiple changepoint detection in multiple linear regression and application to river streamflows. <i>Water Resources Research</i> , 2007, 43, .	4.2	69
49	A parametric Bayesian combination of local and regional information in flood frequency analysis. <i>Water Resources Research</i> , 2006, 42, .	4.2	50
50	Modeling ice growth on Canadian lakes using artificial neural networks. <i>Water Resources Research</i> , 2006, 42, .	4.2	22
51	Estimating the snow water equivalent on the Gatineau catchment using hierarchical Bayesian modelling. <i>Hydrological Processes</i> , 2006, 20, 839-855.	2.6	7
52	Aspects éatatoires de l'érosion d'une digue : simulations de la brèche par des algorithmes géométriques. <i>Canadian Journal of Civil Engineering</i> , 2004, 31, 927-942.	1.3	3
53	Construction probabiliste de scénarios d'apports à un réservoir. <i>Canadian Journal of Civil Engineering</i> , 2004, 31, 146-154.	1.3	0
54	La gestion à risque contrôlé des réservoirs hydroélectriques. <i>Canadian Journal of Civil Engineering</i> , 2003, 30, 1111-1122.	1.3	1

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55	Modélisation de l'incertitude sur les conséquences futures de débits en rivières. Hydrological Sciences Journal, 2002, 47, 367-385.	2.6	7
56	A semi-qualitative approach to the operationalization of the Food–Environment–Energy–Water (FE2W) Nexus concept for infrastructure planning: a case study of the Niger Basin. Water International, 0, , 1-27.	1.0	2