Ousmane Seidou

List of Publications by Year
in descending order

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Version: 2024-02-01

56	1,322	394421	377865
papers	citations	19 h-index	34 g-index

58	58	58	1864
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evaluation of sources of uncertainty in projected hydrological changes under climate change in 12 large-scale river basins. Climatic Change, 2017, 141, 419-433.	3.6	192
2	Combined impacts of future climate and land use changes on discharge, nitrogen and phosphorus loads for a Canadian river basin. Journal of Environmental Management, 2015, 151, 76-86.	7.8	148
3	Estimation of ice thickness on lakes using artificial neural network ensembles. Journal of Hydrology, 2010, 383, 330-340.	5.4	72
4	Recursionâ€based multiple changepoint detection in multiple linear regression and application to river streamflows. Water Resources Research, 2007, 43, .	4.2	69
5	Review of the Kalman-type hydrological data assimilation. Hydrological Sciences Journal, 2016, 61, 2348-2366.	2.6	53
6	Intercomparison of homogenization techniques for precipitation data. Water Resources Research, 2008, 44, .	4.2	52
7	A parametric Bayesian combination of local and regional information in flood frequency analysis. Water Resources Research, 2006, 42, .	4.2	50
8	Bayesian multivariate linear regression with application to change point models in hydrometeorological variables. Water Resources Research, 2007, 43, .	4.2	45
9	Long-Term Observations of Nitrogen and Phosphorus Export in Paired-Agricultural Watersheds under Controlled and Conventional Tile Drainage. Journal of Environmental Quality, 2015, 44, 1589-1604.	2.0	43
10	Quantifying the Sustainability of Water Availability for the Waterâ€Foodâ€Energyâ€Ecosystem Nexus in the Niger River Basin. Earth's Future, 2018, 6, 1292-1310.	6.3	40
11	Climate change impacts on extreme floods I: combining imperfect deterministic simulations and non-stationary frequency analysis. Natural Hazards, 2012, 61, 647-659.	3.4	38
12	Recent trends in selected extreme precipitation indices in Senegal â€“ A changepoint approach. Journal of Hydrology, 2013, 505, 326-334.	5.4	36
13	Changes to flow regime on the Niger River at Koulikoro under a changing climate. Hydrological Sciences Journal, 2015, 60, 1709-1723.	2.6	35
14	Comparison of downscaling methods for mean and extreme precipitation in Senegal. Journal of Hydrology: Regional Studies, 2015, 4, 369-385.	2.4	34
15	Intercomparison of homogenization techniques for precipitation data continued: Comparison of two recent Bayesian change point models. Water Resources Research, 2009, 45, .	4.2	28
16	A well-balanced positivity-preserving central-upwind scheme for shallow water equations on unstructured quadrilateral grids. Computers and Fluids, 2016, 126, 25-40.	2.5	27
17	SynthÃ¨se des techniques d'homogÃ©nÃ©isation des sÃ©ries climatiques et analyse d'applicabilitÃ© aux sÃ©ries de prÃ©cipitations. Hydrological Sciences Journal, 2007, 52, 18-37.	2.6	26
18	Estimation of composite hydraulic resistance in iceâ€covered alluvial streams. Water Resources Research, 2016, 52, 1306-1327.	4.2	24

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19	Modeling ice growth on Canadian lakes using artificial neural networks. Water Resources Research, 2006, 42, .	4.2	22
20	Climate change impacts on extreme floods II: improving flood future peaks simulation using non-stationary frequency analysis. Natural Hazards, 2012, 60, 715-726.	3.4	20
21	Using AnnAGNPS to Predict the Effects of Tile Drainage Control on Nutrient and Sediment Loads for a River Basin. Journal of Environmental Quality, 2015, 44, 629-641.	2.0	17
22	Assessment of Climate Change Impacts on Extreme High and Low Flows: An Improved Bottom-Up Approach. Water (Switzerland), 2019, 11, 1236.	2.7	15
23	The adequacy of stochastically generated climate time series for water resources systems risk and performance assessment. Stochastic Environmental Research and Risk Assessment, 2019, 33, 253-269.	4.0	15
24	Linear and Non-Linear Approaches for Statistical Seasonal Rainfall Forecast in the Sirba Watershed Region (SAHEL). Climate, 2015, 3, 727-752.	2.8	14
25	A Bayesian normal homogeneity test for the detection of artificial discontinuities in climatic series. International Journal of Climatology, 2010, 30, 2342-2357.	3.5	13
26	Projection of Significant Wave Height in a Coastal Area under RCPs Climate Change Scenarios. Natural Hazards Review, 2016, 17, 04015016.	1.5	12
27	Assessing the impacts of climate change on climatic extremes in the Congo River Basin. Climatic Change, 2022, 170, 40.	3.6	12
28	Inconsistent linear trends in Senegalese rainfall indices from 1950 to 2007. Hydrological Sciences Journal, 2015, 60, 1538-1549.	2.6	11
29	Statistical Approach to Model the Deep Draft Shipsâ€™ Squat in the St. Lawrence Waterway. Journal of Waterway, Port, Coastal and Ocean Engineering, 2009, 135, 80-90.	1.2	10
30	Reservoir storage loss due to grounded ice during winter operation. Journal of Hydrology, 2007, 335, 15-24.	5.4	9
31	Analysis of changes in the Great Lakes hydro-climatic variables. Journal of Great Lakes Research, 2013, 39, 383-394.	1.9	8
32	Development and assessment of non-linear and non-stationary seasonal rainfall forecast models for the Sirba watershed, West Africa. Journal of Hydrology: Regional Studies, 2015, 4, 134-152.	2.4	8
33	High-Resolution, Integrated Hydrological Modeling of Climate Change Impacts on a Semi-Arid Urban Watershed in Niamey, Niger. Water (Switzerland), 2020, 12, 364.	2.7	8
34	Development of a time-varying MODIS/ 2D hydrodynamic model relationship between water levels and flooded areas in the Inner Niger Delta, Mali, West Africa. Journal of Hydrology: Regional Studies, 2020, 30, 100703.	2.4	8
35	ModÃ©lisation de l'incertitude sur les sÃ©quences futures de dÃ©bits en riviÃ¨re. Hydrological Sciences Journal, 2002, 47, 367-385.	2.6	7
36	Estimating the snow water equivalent on the Gatineau catchment using hierarchical Bayesian modelling. Hydrological Processes, 2006, 20, 839-855.	2.6	7

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37	Prediction of landâ€use conversions for use in watershedâ€scale hydrological modeling: a Canadian case study. Canadian Geographer / Geographie Canadien, 2014, 58, 499-516.	1.5	7
38	Statistical seasonal streamflow forecasting using probabilistic approach over West African Sahel. Natural Hazards, 2015, 79, 699-722.	3.4	7
39	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. Water (Switzerland), 2019, 11, 1766.	2.7	7
40	Water Balance Analysis over the Niger Inland Delta-Mali: Spatio-Temporal Dynamics of the Flooded Area and Water Losses. Hydrology, 2017, 4, 40.	3.0	6
41	Application of the Chebyshev pseudospectral method to van der Waals fluids. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 3499-3507.	3.3	4
42	Estimation of the added value of using rainfallâ€“runoff transformation and statistical models for seasonal streamflow forecasting. Hydrological Sciences Journal, 2018, 63, 630-645.	2.6	4
43	Comparison of 2D triangular C-grid shallow water models. Computers and Fluids, 2018, 161, 136-154.	2.5	4
44	Predicting water quality trends resulting from forest cover change in an agriculturally dominated river basin in Eastern Ontario, Canada. Water Quality Research Journal of Canada, 2021, 56, 218-238.	2.7	4
45	Modeling the Hydrological Dynamic of the Breeding Water Bodies in Barkedjiâ€™s Zone. Journal of Water Resource and Protection, 2014, 06, 741-755.	0.8	4
46	Aspects alÃ©atoires de l'Ã©rosion d'une digue : simulations de la brÃ¨che par des algorithmes gÃ©nÃ©tiques. Canadian Journal of Civil Engineering, 2004, 31, 927-942.	1.3	3
47	Analysis of triangular C-grid finite volume scheme for shallow water flows. Advances in Water Resources, 2015, 82, 176-195.	3.8	3
48	Influence of output size of stochastic weather generators on common climate and hydrological statistical indices. Stochastic Environmental Research and Risk Assessment, 2020, 34, 993-1021.	4.0	3
49	Continuous prediction of clayâ€bed stream erosion in response to climate model output for a small urban watershed. Hydrological Processes, 2018, 32, 1104-1119.	2.6	2
50	A semi-qualitative approach to the operationalization of the Foodâ€“Environmentâ€“Energyâ€“Water (FE2W) Nexus concept for infrastructure planning: a case study of the Niger Basin. Water International, 0, , 1-27.	1.0	2
51	THE REALISM OF STOCHASTIC WEATHER GENERATORS IN RISK DISCOVERY. , 2017, , .		2
52	La gestion Ã risque contrÃ1Ã© des rÃ©servoirs hydroÃ©lectriques. Canadian Journal of Civil Engineering, 2003, 30, 1111-1122.	1.3	1
53	Simple and Multiple Change Point Detection in Multiple Linear Regression and Application to Hydroclimatic Variables. , 2008, , .		1
54	Construction probabiliste de scÃ©narios d'apports Ã un rÃ©servoir. Canadian Journal of Civil Engineering, 2004, 31, 146-154.	1.3	0

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55	Reply to comment by Spyros Beltaos on â€œEstimation of composite hydraulic resistance in ice-covered alluvial streamsâ€• Water Resources Research, 2016, 52, 9665-9670.	4.2	0
56	Predicted Rainfall, Surface Runoff and Water Yield Responses to Climate Change in the Phetchaburi River Basin, Thailand. Asian Journal of Water, Environment and Pollution, 2022, 19, 1-13.	0.5	0