

Francisco de Assis Souza Filho

List of Publications by Year in descending order

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59
papers

901
citations

686830

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525886

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64
docs citations

64
times ranked

919
citing authors

#	ARTICLE	IF	CITATIONS
1	The water, climate and energy nexus in the São Francisco River Basin, Brazil: an analysis of decadal climate variability. <i>Hydrological Sciences Journal</i> , 2022, 67, 1-20.	1.2	2
2	Analysis of precipitation dynamics at different timescales based on entropy theory: an application to the State of Ceará, Brazil. <i>Stochastic Environmental Research and Risk Assessment</i> , 2022, 36, 2285-2301.	1.9	4
3	Drought Diagnosis: What the Medical Sciences Can Teach Us. <i>Earth's Future</i> , 2022, 10, .	2.4	9
4	Deep Learning for Streamflow Regionalization for Ungauged Basins: Application of Long-Short-Term-Memory Cells in Semiarid Regions. <i>Water (Switzerland)</i> , 2022, 14, 1318.	1.2	7
5	Uncovering the influence of hydrological and climate variables in chlorophyll-A concentration in tropical reservoirs with machine learning. <i>Environmental Science and Pollution Research</i> , 2022, 29, 74967-74982.	2.7	10
6	Priority of Water Allocation during Drought Periods: The Case of Jaguaribe Metropolitan Inter-Basin Water Transfer in Semiarid Brazil. <i>Sustainability</i> , 2022, 14, 6876.	1.6	6
7	Urban Water Demand Modeling Using Machine Learning Techniques: Case Study of Fortaleza, Brazil. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2021, 147, .	1.3	15
8	Macroeconomic Accounting of Water Resources: An Input-Output Approach to Linkage Analysis and Impact Indicators Applied to the State of Ceará, Brazil. <i>Water (Switzerland)</i> , 2021, 13, 869.	1.2	2
9	A data-driven model to evaluate the medium-term effect of contingent pricing policies on residential water demand. <i>Environmental Challenges</i> , 2021, 3, 100033.	2.0	4
10	“Network” socio-hydrology: a case study of causal factors that shape the Jaguaribe River Basin, Ceará-Brazil. <i>Hydrological Sciences Journal</i> , 2021, 66, 935-950.	1.2	3
11	A GLM copula approach for multisite annual streamflow generation. <i>Journal of Hydrology</i> , 2021, 598, 126226.	2.3	2
12	Variational Mode Decomposition Hybridized With Gradient Boost Regression for Seasonal Forecast of Residential Water Demand. <i>Water Resources Management</i> , 2021, 35, 3431-3445.	1.9	8
13	Índice de vulnerabilidade à COVID-19: uma aplicação para a cidade de Fortaleza (CE), Brasil. <i>Engenharia Sanitária E Ambiental</i> , 2021, 26, 731-739.	0.1	1
14	Turbulent waters in Northeast Brazil: A typology of water governance-related conflicts. <i>Environmental Science and Policy</i> , 2021, 126, 99-110.	2.4	8
15	Previsão Sazonal de Vazões para a Usina Hidrelétrica de Boa Esperança-PI utilizando Redes Neurais Artificiais. <i>Revista Brasileira De Geografia Física</i> , 2021, 14, 2629-2645.	0.0	0
16	Forecasting Urban Water Demand Using Cellular Automata. <i>Water (Switzerland)</i> , 2020, 12, 2038.	1.2	5
17	Shift Detection in Hydrological Regimes and Pluriannual Low-Frequency Streamflow Forecasting Using the Hidden Markov Model. <i>Water (Switzerland)</i> , 2020, 12, 2058.	1.2	8
18	Robust Strategy for Assessing the Costs of Urban Drainage System Designs under Climate Change Scenarios. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2020, 146, .	1.3	4

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19	Performance of rainwater tanks for runoff reduction under climate change scenarios: a case study in Brazil. <i>Urban Water Journal</i> , 2020, 17, 912-922.	1.0	3
20	Mapping abrupt streamflow shift in an abrupt climate shift through multiple change point methodologies: Brazil case study. <i>Hydrological Sciences Journal</i> , 2020, 65, 2783-2796.	1.2	8
21	On the Rainfall Intensity-Duration-Frequency Curves, Partial-Area Effect and the Rational Method: Theory and the Engineering Practice. <i>Water (Switzerland)</i> , 2020, 12, 2730.	1.2	8
22	Use of Machine Learning in Evaluation of Drought Perception in Irrigated Agriculture: The Case of an Irrigated Perimeter in Brazil. <i>Water (Switzerland)</i> , 2020, 12, 1546.	1.2	14
23	Copula-Based Multivariate Frequency Analysis of the 2012-2018 Drought in Northeast Brazil. <i>Water (Switzerland)</i> , 2020, 12, 834.	1.2	48
24	Análise de projeções das mudanças climáticas sobre precipitação e temperatura nas regiões hidrográficas brasileiras para o século XXI. <i>Brazilian Journal of Environmental Sciences (Online)</i> , 2020, 55, 420-436.	0.1	4
25	Previsão Sazonal de Vazões para a Bacia do Oratório (Ceará, Brasil) Utilizando Redes Neurais e a Técnica De Reamostragem dos K-vizinhos. <i>Revista Brasileira De Meteorologia</i> , 2020, 35, 197-207.	0.2	2
26	Groundwater vulnerability to agrochemical contamination. <i>Brazilian Journal of Environmental Sciences (Online)</i> , 2020, 55, 440-455.	0.1	4
27	A Continuous Drought Probability Monitoring System, CDPMS, Based on Copulas. <i>Water (Switzerland)</i> , 2019, 11, 1925.	1.2	17
28	Performance evaluation of AR5-CMIP5 models for the representation of seasonal and multi-annual variability of precipitation in Brazilian hydropower sector basins under RCP8.5 scenario. <i>Hydrological Sciences Journal</i> , 2019, 64, 1279-1296.	1.2	12
29	Análise da Relação entre a Precipitação Média do Reservatório Oratório, Brasil - Ceará, e os Índices PDO e AMO Através da Análise de Changepoints e Transformada de Ondeletas. <i>Revista Brasileira De Meteorologia</i> , 2019, 34, 139-149.	0.2	7
30	Proposta de gestão integrada das águas urbanas como estratégia de promoção da segurança hídrica: o caso de Fortaleza. <i>Engenharia Sanitaria E Ambiental</i> , 2019, 24, 239-250.	0.1	6
31	Mudanças climáticas e o setor hidroelétrico brasileiro: uma análise com base em modelos do IPCC-AR5. <i>Brazilian Journal of Environmental Sciences (Online)</i> , 2018, , 46-60.	0.1	2
32	Streamflow projections for the Brazilian hydropower sector from RCP scenarios. <i>Journal of Water and Climate Change</i> , 2017, 8, 114-126.	1.2	9
33	Monthly streamflow forecast for National Interconnected System (NIS) using Periodic Auto-regressive Endogenous Models (PAR) and Exogenous (PARX) with climate information. <i>Revista Brasileira De Recursos Hidricos</i> , 2017, 22, .	0.5	6
34	Climate changes impact estimation on urban drainage system located in low latitudes districts: a study case in Fortaleza-CE. <i>Revista Brasileira De Recursos Hidricos</i> , 2017, 22, .	0.5	12
35	Avaliação do risco da alocação de água em período de escassez hídrica: o caso do Sistema Jaguaribe-Metropolitano. <i>Engenharia Sanitaria E Ambiental</i> , 2017, 22, 749-760.	0.1	7
36	Reservoir yield intercomparison of large dams in Jaguaribe Basin-CE in climate change scenarios. <i>Revista Brasileira De Recursos Hidricos</i> , 2017, 22, .	0.5	6

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37	ADAPTAÇÃO E MUDANÇAS CLIMÁTICAS EM PEQUENOS HIDROSSISTEMAS: O CASO DO HIDROSSISTEMA DE CRUZETA. Irriga, 2017, 22, 369-382.	0.2	0
38	Analytic Modeling of Rainwater Harvesting in the Brazilian Semiarid Northeast. Journal of the American Water Resources Association, 2016, 52, 129-137.	1.0	7
39	STREAMFLOW FORECASTING FOR THE DAM ORÃO/S/CE FROM HYDROMETEOROLOGICAL DATA USING PERCEPTRONS. Revista Brasileira De Meteorologia, 2015, 30, 37-46.	0.2	5
40	Risks and uncertainties in reservoir yield in highly variable intermittent rivers: case of the Castanhão Reservoir in semi-arid Brazil. Hydrological Sciences Journal, 2014, 59, 1184-1195.	1.2	22
41	Climate risk management for water in semi-arid regions. Earth Perspectives – Transdisciplinarity Enabled, 2014, 1, 12.	1.4	14
42	Análise das projeções de vazões nas bacias do setor elétrico brasileiro usando dados do IPCC-AR4 para o século XXI. Revista Brasileira De Recursos Hídricos, 2014, 19, 59-71.	0.5	5
43	Developing sustainable and replicable water supply systems in rural communities in Brazil. International Journal of Water Resources Development, 2013, 29, 622-635.	1.2	19
44	Avaliação de desempenho dos modelos do CMIP5 quanto à representação dos padrões de variação da precipitação no século XX sobre a região Nordeste do Brasil, Amazônia e bacia do Prata e análise das projeções para o cenário RCP8.5. Revista Brasileira De Meteorologia, 2013, 28, 317-330.	0.2	23
45	Uncertainty assessment of hydrologic and climate forecast models in Northeastern Brazil. Hydrological Processes, 2012, 26, 3875-3885.	1.1	35
46	Verificação das previsões de tempo para precipitação usando ensemble regional para o estado do Ceará em 2009. Revista Brasileira De Meteorologia, 2011, 26, 609-618.	0.2	3
47	Performance of water policy reforms under scarcity conditions: a case study in Northeast Brazil. Water Policy, 2009, 11, 553-568.	0.7	6
48	A Streamflow Forecasting Framework using Multiple Climate and Hydrological Models. Journal of the American Water Resources Association, 2009, 45, 828-843.	1.0	156
49	Improved water allocation utilizing probabilistic climate forecasts: Short-term water contracts in a risk management framework. Water Resources Research, 2009, 45, .	1.7	70
50	Role of price and enforcement in water allocation: Insights from Game Theory. Water Resources Research, 2008, 44, .	1.7	12
51	Forecasting the impacts of climate variability: lessons from the rainfed corn market in Ceará, Brazil. Environment and Development Economics, 2008, 13, 201-227.	1.3	17
52	Um estudo inter-comparativo de previsão sazonal estatística-dinâmica de precipitação no nordeste do Brasil. Revista Brasileira De Meteorologia, 2007, 22, 354-372.	0.2	4
53	Climate, stream flow prediction and water management in northeast Brazil: societal trends and forecast value. Climatic Change, 2007, 84, 217-239.	1.7	48
54	Climate Downscaling over Nordeste, Brazil, Using the NCEP RSM97. Journal of Climate, 2005, 18, 551-567.	1.2	61

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55	Seasonal to interannual ensemble streamflow forecasts for Ceara, Brazil: Applications of a multivariate, semiparametric algorithm. <i>Water Resources Research</i> , 2003, 39, .	1.7	107
56	Uncertainty analysis in parameter regionalization for streamflow prediction in ungauged semi-arid catchments. <i>Hydrological Sciences Journal</i> , 0, , 1-19.	1.2	5
57	Modelagem dinãmica da expansÃ£o urbana usando autÃ©matos celulares: o caso de Fortaleza-CE. <i>Urbe</i> , 0, 13, .	0.3	0
58	Projections of climate change in streamflow and affluent natural energy in the Brazilian hydroelectric sector of CORDEX models. <i>Revista Brasileira De Recursos Hidricos</i> , 0, 25, .	0.5	6
59	A Hydro-Economic Model to Support Water Scarcity. <i>Water Economics and Policy</i> , 0, , .	0.3	0