Augusto Getirana

List of Publications by Year
in descending order

45 papers	1,909 citations	236925 25 h-index	265206 42 g-index
57 all docs	57 docs citations	57 times ranked	2427 citing authors

#	Article	IF	Citations
1	The 2019–2020 Australian Drought and Bushfires Altered the Partitioning of Hydrological Fluxes. Geophysical Research Letters, 2021, 48, .	4.0	19
2	Impacts of Fully Coupling Land Surface and Flood Models on the Simulation of Large Wetlands' Water Dynamics: The Case of the Inner Niger Delta. Journal of Advances in Modeling Earth Systems, 2021, 13, e2021MS002463.	3.8	16
3	Altimetry for the future: Building on 25 years of progress. Advances in Space Research, 2021, 68, 319-363.	2.6	119
4	Brazil is in water crisis — it needs a drought plan. Nature, 2021, 600, 218-220.	27.8	49
5	Evolutionary drought patterns over the Sahel and their teleconnections with low frequency climate oscillations. Atmospheric Research, 2020, 233, 104700.	4.1	49
6	GRACE Improves Seasonal Groundwater Forecast Initialization over the United States. Journal of Hydrometeorology, 2020, 21, 59-71.	1.9	29
7	Potential of GPM IMERG Precipitation Estimates to Monitor Natural Disaster Triggers in Urban Areas: The Case of Rio de Janeiro, Brazil. Remote Sensing, 2020, 12, 4095.	4.0	25
8	Hydropower dam operation strongly controls Lake Victoria's freshwater storage variability. Science of the Total Environment, 2020, 726, 138343.	8.0	35
9	Influence of global climate on freshwater changes in Africa's largest endorheic basin using multi-scaled indicators. Science of the Total Environment, 2020, 737, 139643.	8.0	28
10	Towards a soil moisture drought monitoring system for South Korea. Journal of Hydrology, 2020, 589, 125176.	5.4	29
11	Hydrological hotspots of climatic influence in Brazil: A two-step regularization approach. Atmospheric Research, 2020, 246, 105116.	4.1	16
12	The NASA Hydrological Forecast System for Food and Water Security Applications. Bulletin of the American Meteorological Society, 2020, 101, E1007-E1025.	3.3	31
13	Spatiotemporal vegetation response to extreme droughts in eastern Brazil. Remote Sensing Applications: Society and Environment, 2020, 18, 100294.	1.5	6
14	Satellite Gravimetry Improves Seasonal Streamflow Forecast Initialization in Africa. Water Resources Research, 2020, 56, e2019WR026259.	4.2	21
15	Monitoring River Basin Development and Variation in Water Resources in Transboundary Imjin River in North and South Korea Using Remote Sensing. Remote Sensing, 2020, 12, 195.	4.0	11
16	Improving early warning of drought-driven food insecurity in southern Africa using operational hydrological monitoring and forecasting products. Natural Hazards and Earth System Sciences, 2020, 20, 1187-1201.	3.6	17
17	Better Advance Warnings of Drought: A New NASA Hydrological Forecast System. Bulletin of the American Meteorological Society, 2020, 101, 899-903.	3.3	1
18	Acute Water-Scarcity Monitoring for Africa. Water (Switzerland), 2019, 11, 1968.	2.7	36

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19	Flood Inundation Generation Mechanisms and Their Changes in 1953–2004 in Global Major River Basins. Journal of Geophysical Research D: Atmospheres, 2019, 124, 11672-11692.	3.3	18
20	Global GRACE Data Assimilation for Groundwater and Drought Monitoring: Advances and Challenges. Water Resources Research, 2019, 55, 7564-7586.	4.2	229
21	Monitoring Reservoir Drought Dynamics with Landsat and Radar/Lidar Altimetry Time Series in Persistently Cloudy Eastern Brazil. Remote Sensing, 2019, 11, 827.	4.0	22
22	Uncertainties in Evapotranspiration Estimates over West Africa. Remote Sensing, 2019, 11, 892.	4.0	28
23	Improving surface soil moisture estimates in West Africa through GRACE data assimilation. Journal of Hydrology, 2019, 575, 192-201.	5.4	16
24	Radar Altimetry as a Proxy for Determining Terrestrial Water Storage Variability in Tropical Basins. Remote Sensing, 2019, 11, 2487.	4.0	6
25	Assimilating GRACE Into a Land Surface Model in the Presence of an Irrigation‐Induced Groundwater Trend. Water Resources Research, 2019, 55, 11274-11294.	4.2	42
26	Evaluation of Simulated Snow and Snowmelt Timing in the Community Land Model Using Satellite‐Based Products and Streamflow Observations. Journal of Advances in Modeling Earth Systems, 2018, 10, 2933-2951.	3.8	12
27	The Land surface Data Toolkit (LDT v7.2) – a data fusion environment for land data assimilation systems. Geoscientific Model Development, 2018, 11, 3605-3621.	3.6	45
28	Deriving three dimensional reservoir bathymetry from multi-satellite datasets. Remote Sensing of Environment, 2018, 217, 366-374.	11.0	45
29	Assimilation of MODIS Snow Cover Fraction Observations into the NASA Catchment Land Surface Model. Remote Sensing, 2018, 10, 316.	4.0	32
30	Streamflows over a West African Basin from the ALMIP2 Model Ensemble. Journal of Hydrometeorology, 2017, 18, 1831-1845.	1.9	13
31	Trade‐off between cost and accuracy in large‐scale surface water dynamic modeling. Water Resources Research, 2017, 53, 4942-4955.	4.2	44
32	Automated Generation of Lakes and Reservoirs Water Elevation Changes From Satellite Radar Altimetry. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 3465-3481.	4.9	42
33	Rivers and Floodplains as Key Components of Global Terrestrial Water Storage Variability. Geophysical Research Letters, 2017, 44, 10,359.	4.0	90
34	Upper Blue Nile basin water budget from a multi-model perspective. Journal of Hydrology, 2017, 555, 535-546.	5.4	39
35	Modeling surface water dynamics in the Amazon Basin using MOSART-Inundation v1.0: impacts of geomorphological parameters and river flow representation. Geoscientific Model Development, 2017, 10, 1233-1259.	3.6	48
36	Fifteen Years (1993–2007) of Surface Freshwater Storage Variability in the Ganges-Brahmaputra River Basin Using Multi-Satellite Observations. Water (Switzerland), 2017, 9, 245.	2.7	14

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37	Hydrological modeling of the Peruvianâ€"Ecuadorian Amazon Basin using GPM-IMERG satellite-based precipitation dataset. Hydrology and Earth System Sciences, 2017, 21, 3543-3555.	4.9	67
38	Assimilation of Gridded GRACE Terrestrial Water Storage Estimates in the North American Land Data Assimilation System. Journal of Hydrometeorology, 2016, 17, 1951-1972.	1.9	137
39	Extreme Water Deficit in Brazil Detected from Space. Journal of Hydrometeorology, 2016, 17, 591-599.	1.9	117
40	Impacts of satellite-based precipitation datasets on rainfallâ€"runoff modeling of the Western Amazon basin of Peru and Ecuador. Journal of Hydrology, 2015, 528, 599-612.	5.4	66
41	Evaluating Global Streamflow Simulations by a Physically Based Routing Model Coupled with the Community Land Model. Journal of Hydrometeorology, 2015, 16, 948-971.	1.9	81
42	Quantifying the Added Value of Snow Cover Area Observations in Passive Microwave Snow Depth Data Assimilation. Journal of Hydrometeorology, 2015, 16, 1736-1741.	1.9	46
43	Mapping largeâ€scale river flow hydraulics in the Amazon Basin. Water Resources Research, 2013, 49, 2437-2445.	4.2	19
44	Automatic parameterization of a flow routing scheme driven by radar altimetry data: Evaluation in the Amazon basin. Water Resources Research, 2013, 49, 614-629.	4.2	46
45	Conflitos pelo Uso da Ãgua no Setor AgrÃcola no Norte Fluminense (I): Propostas de SoluÃ§Ãµes e AnÃ¡lises AtravÃ©s de ProgramaÃ§Ã£o Linear. Revista Brasileira De Recursos Hidricos, 2007, 12, 27-38.	0.5	0