

# A simple hydrologically based model of land surface water circulation models

Journal of Geophysical Research

99, 14415

DOI: [10.1029/94jd00483](https://doi.org/10.1029/94jd00483)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Multiscale modeling of spatially variable water and energy balance processes. <i>Water Resources Research</i> , 1994, 30, 3061-3078.	1.7	519
2	Combining hydrological modeling and remote sensing for large scale water and energy balance studies. , 0, , .		3
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1918	Integrating hybrid runoff generation mechanism into variable infiltration capacity model to facilitate hydrological simulations. <i>Stochastic Environmental Research and Risk Assessment</i> , 2020, 34, 2139-2157.	1.9	8
1919	Integrating Lateral Inflows Into a SWOT Mission River Discharge Algorithm. <i>Water Resources Research</i> , 2020, 56, e2019WR026589.	1.7	10

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1921	Sub-seasonal variability of surface soil moisture over eastern China. <i>Climate Dynamics</i> , 2020, 55, 3527-3541.	1.7	4
1922	Continental drought monitoring using satellite soil moisture, data assimilation and an integrated drought index. <i>Remote Sensing of Environment</i> , 2020, 250, 112028.	4.6	94
1923	Development of a Hydrological Drought Forecasting Model Using Weather Forecasting Data from GloSea5. <i>Water (Switzerland)</i> , 2020, 12, 2785.	1.2	6
1924	Is hillslope-based catchment decomposition approach superior to hydrologic response unit (HRU) for stream-aquifer interaction modelling: Inference from two process-based coupled models. <i>Journal of Hydrology</i> , 2020, 591, 125588.	2.3	11
1925	Machine Learning Accelerates Parameter Optimization and Uncertainty Assessment of a Land Surface Model. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD032688.	1.2	11
1926	Detailed overview of the multimodel multiproduct streamflow forecasting platform. <i>Journal of Applied Water Engineering and Research</i> , 2020, 8, 277-289.	1.0	6
1927	Estimation of the Qinghai-Tibetan Plateau runoff and its contribution to large Asian rivers. <i>Science of the Total Environment</i> , 2020, 749, 141570.	3.9	37
1928	Impact of Droughts on Water Supply in U.S. Watersheds: The Role of Renewable Surface and Groundwater Resources. <i>Earth's Future</i> , 2020, 8, e2020EF001648.	2.4	8
1929	Development of an interface-oriented add-in modeling framework for integrated water system simulation and its application. <i>Environmental Modelling and Software</i> , 2020, 134, 104840.	1.9	11
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1931	Impact of climate change on water availability and its propagation through the Western U.S. power grid. <i>Applied Energy</i> , 2020, 276, 115467.	5.1	38
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1934	Thermal extremes in regulated river systems under climate change: an application to the southeastern U.S. rivers. <i>Environmental Research Letters</i> , 2020, 15, 094012.	2.2	5
1935	Water loss and temperature interact to compound amphibian vulnerability to climate change. <i>Global Change Biology</i> , 2020, 26, 4868-4879.	4.2	34
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1937	A Process-Based, Fully Distributed Soil Erosion and Sediment Transport Model for WRF-Hydro. <i>Water (Switzerland)</i> , 2020, 12, 1840.	1.2	10

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1940	Sensitivity analysis and uncertainty assessment in water budgets simulated by the variable infiltration capacity model for Canadian subarctic watersheds. <i>Hydrological Processes</i> , 2020, 34, 2057-2075.	1.1	21
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1946	Integrating field observations and process-based modeling to predict watershed water quality under environmental perturbations. <i>Journal of Hydrology</i> , 2021, 602, 125762.	2.3	22
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1948	Comparison of two model calibration approaches and their influence on future projections under climate change in the Upper Indus Basin. <i>Climatic Change</i> , 2020, 163, 1227-1246.	1.7	16
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1951	Dynamic Scaling of the Generalized Complementary Relationship Improves Long-term Tendency Estimates in Land Evaporation. <i>Advances in Atmospheric Sciences</i> , 2020, 37, 975-986.	1.9	11
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1954	An approach for identification and quantification of hydrological drought termination characteristics of natural and human-influenced series. <i>Journal of Hydrology</i> , 2020, 590, 125384.	2.3	35
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1975	Socioeconomic Drought Under Growing Population and Changing Climate: A New Index Considering the Resilience of a Regional Water Resources System. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD033005.	1.2	34
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1978	Hydrological Response to Agricultural Land Use Heterogeneity Using Variable Infiltration Capacity Model. <i>Water Resources Management</i> , 2020, 34, 3779-3794.	1.9	72
1979	Research on flood forecasting based on flood hydrograph generalization and random forest in Qishui River basin, China. <i>Journal of Hydroinformatics</i> , 2020, 22, 1588-1602.	1.1	7
1980	Evaluation of Precipitation Products by Using Multiple Hydrological Models over the Upper Yellow River Basin, China. <i>Remote Sensing</i> , 2020, 12, 4023.	1.8	19
1981	Projected changes of carbon balance in mesic grassland ecosystems in response to warming and elevated CO2 using CMIP5 GCM results in the Central Great Plains, USA. <i>Ecological Modelling</i> , 2020, 434, 109247.	1.2	2
1982	How evaluation of hydrological models influences results of climate impact assessmentâ€an editorial. <i>Climatic Change</i> , 2020, 163, 1121-1141.	1.7	11
1983	Precipitation correction and reconstruction for streamflow simulation based on 262 rain gauges in the upper Brahmaputra of southern Tibetan Plateau. <i>Journal of Hydrology</i> , 2020, 590, 125484.	2.3	32
1984	Strong hydroclimatic controls on vulnerability to subsurface nitrate contamination across Europe. <i>Nature Communications</i> , 2020, 11, 6302.	5.8	40
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1986	The Applicability of SWOTâ€™s Non-Uniform Spaceâ€Time Sampling in Hydrologic Model Calibration. <i>Remote Sensing</i> , 2020, 12, 3241.	1.8	6
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1990	Global catchment modelling using World-Wide HYPE (WWH), open data, and stepwise parameter estimation. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 535-559.	1.9	75
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2001	Effects of univariate and multivariate statistical downscaling methods on climatic and hydrologic indicators for Alberta, Canada. Journal of Hydrology, 2020, 588, 125065.	2.3	22
2002	Modelling spatio-temporal patterns of soil carbon and greenhouse gas emissions in grazing lands: Current status and prospects. Science of the Total Environment, 2020, 739, 139092.	3.9	23
2003	Evaluating rainfall datasets to reconstruct floods in data-sparse Himalayan region. Journal of Hydrology, 2020, 588, 125090.	2.3	13
2004	A global near-real-time soil moisture index monitor for food security using integrated SMOS and SMAP. Remote Sensing of Environment, 2020, 246, 111864.	4.6	35
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2007	PEMIP: Post-fire erosion model inter-comparison project. Journal of Environmental Management, 2020, 268, 110704.	3.8	11
2008	A surrogate model for the Variable Infiltration Capacity model using deep learning artificial neural network. Journal of Hydrology, 2020, 588, 125019.	2.3	30
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2012	Runoff and Evapotranspiration Elasticities in the Western United States: Are They Consistent With Dooge's Complementary Relationship?. <i>Water Resources Research</i> , 2020, 56, e2019WR026719.	1.7	6
2013	The Roles of Climate Forcing and Its Variability on Streamflow at Daily, Monthly, Annual, and Long-Term Scales. <i>Water Resources Research</i> , 2020, 56, e2020WR027111.	1.7	19
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2015	Characterizing Hydrological Drought and Water Scarcity Changes in the Future: A Case Study in the Jinghe River Basin of China. <i>Water (Switzerland)</i> , 2020, 12, 1605.	1.2	9
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2017	Assessing future socioeconomic drought events under a changing climate over the Pearl River basin in South China. <i>Journal of Hydrology: Regional Studies</i> , 2020, 30, 100700.	1.0	19
2018	Reservoirs Modify River Thermal Regime Sensitivity to Climate Change: A Case Study in the Southeastern United States. <i>Water Resources Research</i> , 2020, 56, e2019WR025784.	1.7	29
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2024	Evaluation of Global Water Resources Reanalysis Products in the Upper Blue Nile River Basin. <i>Journal of Hydrometeorology</i> , 2020, 21, 935-952.	0.7	12
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2026	Evaluating the Effect of Transpiration in Hydrologic Model Simulation through Parameter Calibration. <i>Journal of Hydrologic Engineering - ASCE</i> , 2020, 25, 04020007.	0.8	4
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2032	Adaptation of Climate Model Projections of Streamflow to Account for Upstream Anthropogenic Impairments. <i>Journal of the American Water Resources Association</i> , 2020, 56, 586-598.	1.0	8
2033	Uncertainties in river discharge simulations of the upper Indus basin in the Western Himalayas. <i>Journal of Earth System Science</i> , 2020, 129, 1.	0.6	4
2034	Drought Onset and Termination in India. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD032871.	1.2	35
2035	Proposing a trend-based time-varying approach to assess climate- and human-induced impacts on streamflow. <i>Hydrological Sciences Journal</i> , 2020, 65, 2043-2056.	1.2	4
2036	Modeling the surface water and groundwater budgets of the US using MODFLOW-OVHM. <i>Advances in Water Resources</i> , 2020, 143, 103682.	1.7	12
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2038	Detecting early warning signals of long-term water supply vulnerability using machine learning. <i>Environmental Modelling and Software</i> , 2020, 131, 104781.	1.9	15
2039	Evaluation of the Hyper-Resolution Model-Derived Water Cycle Components Over the Upper Blue Nile Basin. <i>Journal of Hydrology</i> , 2020, 590, 125231.	2.3	19
2040	Impacts of anthropogenic warming and uneven regional socio-economic development on global river flood risk. <i>Journal of Hydrology</i> , 2020, 590, 125262.	2.3	29
2041	Larger Drought and Flood Hazards and Adverse Impacts on Population and Economic Productivity Under 2.0 than 1.5°C Warming. <i>Earth's Future</i> , 2020, 8, e2019EF001398.	2.4	25
2042	Higher Snowfall Intensity is Associated with Reduced Impacts of Warming Upon Winter Snow Ablation. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086409.	1.5	9
2043	Spatiotemporal assimilation – interpolation of discharge records through inverse streamflow routing. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 293-305.	1.9	13
2044	Soil moisture and hydrology projections of the permafrost region – a model intercomparison. <i>Cryosphere</i> , 2020, 14, 445-459.	1.5	85
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2048	Improvement of operational airborne gamma radiation snow water equivalent estimates using SMAP soil moisture. <i>Remote Sensing of Environment</i> , 2020, 240, 111668.	4.6	6
2049	Underlying Fundamentals of Kalman Filtering for River Network Modeling. <i>Journal of Hydrometeorology</i> , 2020, 21, 453-474.	0.7	10
2050	ComDA: A common software for nonlinear and Non-Gaussian Land Data Assimilation. <i>Environmental Modelling and Software</i> , 2020, 127, 104638.	1.9	12
2051	Calibrating land hydrological models and enhancing their forecasting skills using an ensemble Kalman filter with one-step-ahead smoothing. <i>Journal of Hydrology</i> , 2020, 584, 124708.	2.3	13
2052	Satellite-Based Operational Real-Time Drought Monitoring in the Transboundary Lancang-Mekong River Basin. <i>Remote Sensing</i> , 2020, 12, 376.	1.8	11
2053	An Integrated Framework for Extreme Drought Assessments Using the Natural Drought Index, Copula and $G_i^*$ Statistic. <i>Water Resources Management</i> , 2020, 34, 1353-1368.	1.9	15
2054	A software package for the representation and optimization of water reservoir operations in the VIC hydrologic model. <i>Environmental Modelling and Software</i> , 2020, 126, 104673.	1.9	33
2055	The changing nature and projection of floods across Australia. <i>Journal of Hydrology</i> , 2020, 584, 124703.	2.3	16
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2057	Spatio-Temporal Variations in Groundwater Revealed by GRACE and Its Driving Factors in the Huang-Huai-Hai Plain, China. <i>Sensors</i> , 2020, 20, 922.	2.1	29
2058	Dual state/rainfall correction via soil moisture assimilation for improved streamflow simulation: evaluation of a large-scale implementation with Soil Moisture Active Passive (SMAP) satellite data. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 615-631.	1.9	12
2059	Comparison of the SWAT and InVEST models to determine hydrological ecosystem service spatial patterns, priorities and trade-offs in a complex basin. <i>Ecological Indicators</i> , 2020, 112, 106089.	2.6	135
2060	On the representation of water reservoir storage and operations in large-scale hydrological models: implications on model parameterization and climate change impact assessments. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 397-416.	1.9	70
2061	Multimodel-based analyses of evapotranspiration and its controls in China over the last three decades. <i>Ecohydrology</i> , 2020, 13, e2195.	1.1	16
2062	Interpolated or satellite-based precipitation? Implications for hydrological modeling in a meso-scale mountainous watershed on the Qinghai-Tibet Plateau. <i>Journal of Hydrology</i> , 2020, 583, 124629.	2.3	42
2063	Large Uncertainties in Runoff Estimations of GLDAS Versions 2.0 and 2.1 in China. <i>Earth and Space Science</i> , 2020, 7, e2019EA000829.	1.1	21

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2065	The Canadian Surface Prediction Archive (CaSPAr): A Platform to Enhance Environmental Modeling in Canada and Globally. <i>Bulletin of the American Meteorological Society</i> , 2020, 101, E341-E356.	1.7	24
2066	An open-data open-model framework for hydrological models' integration, evaluation and application. <i>Environmental Modelling and Software</i> , 2020, 126, 104622.	1.9	12
2067	A Global Drought and Flood Catalogue from 1950 to 2016. <i>Bulletin of the American Meteorological Society</i> , 2020, 101, E508-E535.	1.7	98
2068	Assessing and managing design storm variability and projection uncertainty in a changing coastal environment. <i>Journal of Environmental Management</i> , 2020, 264, 110494.	3.8	4
2069	Aridity Trends in Central America: A Spatial Correlation Analysis. <i>Atmosphere</i> , 2020, 11, 427.	1.0	15
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