# Haw Yen

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 76 papers | 1,915 citations | 304743 22 h-index | 289244 40 g-index |
| 86 all docs | 86 docs citations | 86 times ranked | 2046 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Hydrological Processes and Model Representation: Impact of Soft Data on Calibration. Transactions of the ASABE, 2015, 58, 1637-1660. | 1.1 | 130 |
| 2 | A framework for propagation of uncertainty contributed by parameterization, input data, model structure, and calibration/validation data in watershed modeling. Environmental Modelling and Software, 2014, 54, 211-221. | 4.5 | 124 |
| 3 | Multiple models guide strategies for agricultural nutrient reductions. Frontiers in Ecology and the Environment, 2017, 15, 126-132. | 4.0 | 118 |
| 4 | Impact of model development, calibration and validation decisions on hydrological simulations in West Lake Erie Basin. Hydrological Processes, 2015, 29, 5307-5320. | 2.6 | 111 |
| 5 | A review of pesticide fate and transport simulation at watershed level using SWAT: Current status and research concerns. Science of the Total Environment, 2019, 669, 512-526. | 8.0 | 105 |
| 6 | Evaluation of CFSR, TMPA 3B42 and ground-based rainfall data as input for hydrological models, in data-scarce regions: The upper Blue Nile Basin, Ethiopia. Catena, 2017, 152, 242-251. | 5.0 | 60 |
| 7 | CN-China: Revised runoff curve number by using rainfall-runoff events data in China. Water Research, 2020, 177, 115767. | 11.3 | 57 |
| 8 | The Role of Interior Watershed Processes in Improving Parameter Estimation and Performance of Watershed Models. Journal of Environmental Quality, 2014, 43, 1601-1613. | 2.0 | 54 |
| 9 | Evaluating hydrologic responses to soil characteristics using SWAT model in a paired-watersheds in the Upper Blue Nile Basin. Catena, 2018, 163, 332-341. | 5.0 | 53 |
| 10 | Potential impacts of land use/cover and climate changes on ecologically relevant flows. Journal of Hydrology, 2020, 584, 124654. | 5.4 | 52 |
| 11 | Development of reservoir operation functions in SWAT+ for national environmental assessments. Journal of Hydrology, 2020, 583, 124556. | 5.4 | 51 |
| 12 | Western Lake Erie Basin: Soft-data-constrained, NHDPlus resolution watershed modeling and exploration of applicable conservation scenarios. Science of the Total Environment, 2016, 569-570, 1265-1281. | 8.0 | 46 |
| 13 | An innovative approach to identifying agricultural pollution sources and loads by using nutrient export coefficients in watershed modeling. Journal of Hydrology, 2019, 571, 322-331. | 5.4 | 44 |
| 14 | A synthesis and comparative evaluation of factors influencing the effectiveness of drainage water management. Agricultural Water Management, 2016, 178, 366-376. | 5.6 | 42 |
| 15 | Application of Large-Scale, Multi-Resolution Watershed Modeling Framework Using the Hydrologic and Water Quality System (HAWQS). Water (Switzerland), 2016, 8, 164. | 2.7 | 40 |
| 16 | Impacts of alternative climate information on hydrologic processes with SWAT: A comparison of NCDC, PRISM and NEXRAD datasets. Catena, 2017, 156, 353-364. | 5.0 | 36 |
| 17 | Thinking outside of the lake: Can controls on nutrient inputs into Lake Erie benefit stream conservation in its watershed?. Journal of Great Lakes Research, 2016, 42, 1322-1331. | 1.9 | 34 |
| 18 | Modeling nutrient removal using watershed-scale implementation of the two-stage ditch. Ecological Engineering, 2017, 108, 358-369. | 3.6 | 34 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Development of Sediment and Nutrient Export Coefficients for U.S. Ecoregions. Journal of the American Water Resources Association, 2015, 51, 758-775. | 2.4 | 33 |
| 20 | IPEAT+: A Built-In Optimization and Automatic Calibration Tool of SWAT+. Water (Switzerland), 2019, 11, 1681. | 2.7 | 29 |
| 21 | Assessment of Input Uncertainty in SWAT Using Latent Variables. Water Resources Management, 2015, 29, 1137-1153. | 3.9 | 28 |
| 22 | Uncertainty of hydrologic processes caused by bias-corrected CMIP5 climate change projections with alternative historical data sources. Journal of Hydrology, 2019, 568, 551-561. | 5.4 | 28 |
| 23 | Transferability of SWAT Models between SWAT2009 and SWAT2012. Journal of Environmental Quality, 2014, 43, 869-880. | 2.0 | 22 |
| 24 | C-SWAT: The Soil and Water Assessment Tool with consolidated input files in alleviating computational burden of recursive simulations. Computers and Geosciences, 2014, 72, 221-232. | 4.2 | 20 |
| 25 | Impacts of incorporating dominant crop rotation patterns as primary land use change on hydrologic model performance. Agriculture, Ecosystems and Environment, 2017, 247, 33-42. | 5.3 | 20 |
| 26 | Assessment of Optional Sediment Transport Functions via the Complex Watershed Simulation Model SWAT. Water (Switzerland), 2017, 9, 76. | 2.7 | 20 |
| 27 | Impact of human activities on phosphorus flows on an early eutrophic plateau: A case study in Southwest China. Science of the Total Environment, 2020, 714, 136851. | 8.0 | 19 |
| 28 | Effects of particulate fractions on critical slope and critical rainfall intensity for runoff phosphorus from bare loessial soil. Catena, 2021, 196, 104935. | 5.0 | 19 |
| 29 | Assessment of model predictions and parameter transferability by alternative land use data on watershed modeling. Journal of Hydrology, 2015, 527, 458-470. | 5.4 | 18 |
| 30 | Improving model prediction reliability through enhanced representation of wetland soil processes and constrained model auto calibration â€“ A paired watershed study. Journal of Hydrology, 2016, 541, 1088-1103. | 5.4 | 18 |
| 31 | Using multiple watershed models to assess the water quality impacts of alternate land development scenarios for a small community. Catena, 2017, 150, 87-99. | 5.0 | 18 |
| 32 | Input uncertainty on watershed modeling: Evaluation of precipitation and air temperature data by latent variables using SWAT. Ecological Engineering, 2018, 122, 16-26. | 3.6 | 18 |
| 33 | Exploring the multiscale hydrologic regulation of multipond systems in a humid agricultural catchment. Water Research, 2020, 184, 115987. | 11.3 | 18 |
| 34 | Linking watershed modeling and bacterial source tracking to better assess E. coli sources. Science of the Total Environment, 2019, 648, 164-175. | 8.0 | 17 |
| 35 | Evaluation of concentration-discharge dynamics and nitrogen export on anthropogenic inputs and stormflow across alternative time-scales. Ecological Indicators, 2019, 98, 879-887. | 6.3 | 17 |
| 36 | Regional Blue and Green Water Balances and Use by Selected Crops in the<scp> U.S.</scp>. Journal of the American Water Resources Association, 2015, 51, 1626-1642. | 2.4 | 16 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Computational Procedure for Evaluating Sampling Techniques on Watershed Model Calibration. Journal of Hydrologic Engineering - ASCE, 2015, 20, . | 1.9 | 16 |
| 38 | Effects of sampling strategies and estimation algorithms on total nitrogen load determination in a small agricultural headwater watershed. Journal of Hydrology, 2019, 579, 124114. | 5.4 | 16 |
| 39 | The overlooked role of diffuse household livestock production in nitrogen pollution at the watershed scale. Journal of Cleaner Production, 2020, 272, 122758. | 9.3 | 16 |
| 40 | Use of multiple modules and Bayesian Model Averaging to assess structural uncertainty of catchment-scale wetland modeling in a Coastal Plain landscape. Journal of Hydrology, 2020, 582, 124544. | 5.4 | 16 |
| 41 | Development of a Cropland Management Dataset to Support U.S. Swat Assessments. Journal of the American Water Resources Association, 2016, 52, 269-274. | 2.4 | 15 |
| 42 | Forecasting the combined effects of anticipated climate change and agricultural conservation practices on fish recruitment dynamics in Lake Erie. Freshwater Biology, 2020, 65, 1487-1508. | 2.4 | 15 |
| 43 | Organophosphate esters in surface soils from a heavily urbanized region of Eastern China: Occurrence, distribution, and ecological risk assessment. Environmental Pollution, 2021, 291, 118200. | 7.5 | 15 |
| 44 | The impact of considering uncertainty in measured calibration/validation data during auto-calibration of hydrologic and water quality models. Stochastic Environmental Research and Risk Assessment, 2015, 29, 1891-1901. | 4.0 | 14 |
| 45 | Projecting the effects of agricultural conservation practices on stream fish communities in a changing climate. Science of the Total Environment, 2020, 747, 141112. | 8.0 | 14 |
| 46 | Augmenting Watershed Model Calibration with Incorporation of Ancillary Data Sources and Qualitative Soft Data Sources. Journal of the American Water Resources Association, 2016, 52, 788-798. | 2.4 | 12 |
| 47 | Evaluation of Dynamically Dimensioned Search Algorithm forÂOptimizing <scp>SWAT</scp> by Altering Sampling Distributions and Searching Range. Journal of the American Water Resources Association, 2016, 52, 443-455. | 2.4 | 12 |
| 48 | Deposition- and transport-dominated erosion regime effects on the loss of dissolved and sediment-bound organic carbon: Evaluation in a cultivated soil with laboratory rainfall simulations. Science of the Total Environment, 2021, 750, 141717. | 8.0 | 12 |
| 49 | Assessment of input uncertainty by seasonally categorized latent variables using SWAT. Journal of Hydrology, 2015, 531, 685-695. | 5.4 | 11 |
| 50 | Is the correlation between hydro-environmental variables consistent with their own time variability degrees in a large-scale loessial watershed?. Science of the Total Environment, 2020, 722, 137737. | 8.0 | 11 |
| 51 | Accounting for Conceptual Soil Erosion and Sediment Yield Modeling Uncertainty in the APEX Model Using Bayesian Model Averaging. Journal of Hydrologic Engineering - ASCE, 2015, 20, . | 1.9 | 10 |
| 52 | Multisite Assessment of Hydrologic Processes in Snow-Dominated Mountainous River Basins in Colorado Using a Watershed Model. Journal of Hydrologic Engineering - ASCE, 2015, 20, . | 1.9 | 10 |
| 53 | Dissolved organic carbon driven by rainfall events from a semi-arid catchment during concentrated rainfall season in the Loess Plateau, China. Hydrology and Earth System Sciences, 2019, 23, 3141-3153. | 4.9 | 10 |
| 54 | Semi-two dimensional numerical prediction of non-equilibrium sediment transport in reservoir using stream tubes and theory of minimum stream power. KSCE Journal of Civil Engineering, 2015, 19, 1922-1929. | 1.9 | 9 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Applications of Explicitly Incorporated/Postâ€Processing Measurement Uncertainty in Watershed Modeling. Journal of the American Water Resources Association, 2016, 52, 523-540. | 2.4 | 9 |
| 56 | Design and development of a web-based interface for the Agricultural Policy Environmental eXtender (APEX) model. Environmental Modelling and Software, 2019, 111, 368-374. | 4.5 | 9 |
| 57 | Sefficiency of a Water Use System: The Case of Kano River Irrigation Project, Nigeria. International Journal of Civil Engineering, 2018, 16, 929-939. | 2.0 | 8 |
| 58 | Distribution of agricultural land regulates stream water isotopes over multiple spatial scale in a subtropical forested watershed. Journal of Hydrology, 2019, 579, 124206. | 5.4 | 8 |
| 59 | Investigation of watershed nutrient export affected by extreme events and the corresponding sampling frequency. Journal of Environmental Management, 2019, 250, 109477. | 7.8 | 8 |
| 60 | Assessment of extrinsic and intrinsic influences on water quality variation in subtropical agricultural multipond systems. Environmental Pollution, 2021, 276, 116689. | 7.5 | 8 |
| 61 | Numerical simulation on a tremendous debris flow caused by Typhoon Morakot in the Jiaopu Stream, Taiwan. Journal of Mountain Science, 2014, 11, 1-18. | 2.0 | 7 |
| 62 | Integrated assessment of nitrogen runoff to the Gulf of Mexico. Resources and Energy Economics, 2022, 67, 101279. | 2.5 | 7 |
| 63 | An Auto-Calibration Tool for the Agricultural Policy Environmental eXtender (APEX) Model. Transactions of the ASABE, 2014, , 1087-1098. | 1.1 | 6 |
| 64 | Effect of Water Quality Sampling Approaches on Nitrate Load Predictions of a Prominent Regression-Based Model. Water (Switzerland), 2017, 9, 895. | 2.7 | 6 |
| 65 | Erosion and covered zones altered by surface coverage effects on soil nitrogen and carbon loss from an agricultural slope under laboratory-simulated rainfall events. International Soil and Water Conservation Research, 2022, 10, 382-392. | 6.5 | 6 |
| 66 | Evaluation of seasonal patterns of hydraulic redistribution in a humid subtropical area, East China. Hydrological Processes, 2020, 34, 1052-1062. | 2.6 | 5 |
| 67 | Uncertainty analysis for integrated water system simulations using GLUE with different acceptability thresholds. Science China Technological Sciences, 2021, 64, 1791-1804. | 4.0 | 4 |
| 68 | Characterization of landslide distribution and sediment yield in the TsengWen River Watershed, Taiwan. Catena, 2019, 174, 184-198. | 5.0 | 3 |
| 69 | Nitrogen Transport/Deposition from Paddy Ecosystem and Potential Pollution Risk Period in Southwest China. Water (Switzerland), 2022, 14, 539. | 2.7 | 3 |
| 70 | Distribution of Selected Soil and Water Conservation Practices in the <scp>U.S.</scp> as Identified with Google Earth. Journal of the American Water Resources Association, 2017, 53, 1229-1240. | 2.4 | 2 |
| 71 | An Introduction to the Hyperspace of Hargreaves-Samani Reference Evapotranspiration. Sustainability, 2018, 10, 4277. | 3.2 | 2 |
| 72 | Characteristics of wet dissolved carbon deposition in a semi-arid catchment at the Loess Plateau, China. Biogeosciences, 2018, 15, 3345-3356. | 3.3 | 2 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Tiered Approaches in Analyzing Rice Field Pesticide Fate and Transport for Ecological Risk Assessment. ACS Symposium Series, 2018, , 347-377. | 0.5 | 2 |
| 74 | Soft Data in Hydrologic Modeling: Prediction of Ecologically Relevant Flows with Alternate Land Use/Land Cover Data. Water (Switzerland), 2021, 13, 2947. | 2.7 | 2 |
| 75 | Assessment of Model Configuration Effect by Alternative Evapotranspiration, Runoff, and Water Routing Functions on Watershed Modeling Using SWAT. Transactions of the ASABE, 2015, , 393-404. | 1.1 | 1 |
| 76 | Modeling Pesticide Fate and Transport at Watershed Scale Using the Soil & Water Assessment Tool: General Applications and Mitigation Strategies. ACS Symposium Series, 2019, , 391-419. | 0.5 | 1 |