

Raghavan Srinivasan

List of Publications by Citations

Source: <https://exaly.com/author-pdf/1617168/raghavan-srinivasan-publications-by-citations.pdf>

Version: 2024-04-29

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

326
papers

21,184
citations

59
h-index

139
g-index

339
ext. papers

24,536
ext. citations

3.6
avg, IF

7.01
L-index

#	Paper	IF	Citations
326	LARGE AREA HYDROLOGIC MODELING AND ASSESSMENT PART I: MODEL DEVELOPMENT1. <i>Journal of the American Water Resources Association</i> , 1998 , 34, 73-89	2.1	4508
325	SWAT: Model Use, Calibration, and Validation. <i>Transactions of the ASABE</i> , 2012 , 55, 1491-1508	0.9	1280
324	Modelling hydrology and water quality in the pre-alpine/alpine Thur watershed using SWAT. <i>Journal of Hydrology</i> , 2007 , 333, 413-430	6	1135
323	VALIDATION OF THE SWAT MODEL ON A LARGE RWER BASIN WITH POINT AND NONPOINT SOURCES1. <i>Journal of the American Water Resources Association</i> , 2001 , 37, 1169-1188	2.1	872
322	A global sensitivity analysis tool for the parameters of multi-variable catchment models. <i>Journal of Hydrology</i> , 2006 , 324, 10-23	6	813
321	A continental-scale hydrology and water quality model for Europe: Calibration and uncertainty of a high-resolution large-scale SWAT model. <i>Journal of Hydrology</i> , 2015 , 524, 733-752	6	724
320	Development and evaluation of Soil Moisture Deficit Index (SMDI) and Evapotranspiration Deficit Index (ETDI) for agricultural drought monitoring. <i>Agricultural and Forest Meteorology</i> , 2005 , 133, 69-88	5.8	459
319	Regional estimation of base flow and groundwater recharge in the Upper Mississippi river basin. <i>Journal of Hydrology</i> , 2000 , 227, 21-40	6	309
318	LARGE AREA HYDROLOGIC MODELING AND ASSESSMENT PART II: MODEL APPLICATION1. <i>Journal of the American Water Resources Association</i> , 1998 , 34, 91-101	2.1	297
317	Sediment management modelling in the Blue Nile Basin using SWAT model. <i>Hydrology and Earth System Sciences</i> , 2011 , 15, 807-818	5.5	257
316	Applications of the SWAT Model Special Section: Overview and Insights. <i>Journal of Environmental Quality</i> , 2014 , 43, 1-8	3.4	256
315	Soil and Water Assessment Tool (SWAT) Model: Current Developments and Applications. <i>Transactions of the ASABE</i> , 2010 , 53, 1423-1431	0.9	244
314	Estimation of freshwater availability in the West African sub-continent using the SWAT hydrologic model. <i>Journal of Hydrology</i> , 2008 , 352, 30-49	6	231
313	Modeling blue and green water availability in Africa. <i>Water Resources Research</i> , 2008 , 44,	5.4	218
312	SWAT Ungauged: Hydrological Budget and Crop Yield Predictions in the Upper Mississippi River Basin. <i>Transactions of the ASABE</i> , 2010 , 53, 1533-1546	0.9	217
311	Evaluation of CFSR climate data for hydrologic prediction in data-scarce watersheds: an application in the Blue Nile River Basin. <i>Journal of the American Water Resources Association</i> , 2014 , 50, 1226-1241	2.1	200
310	A modeling approach to evaluate the impacts of water quality management plans implemented in a watershed in Texas. <i>Environmental Modelling and Software</i> , 2006 , 21, 1141-1157	5.2	199

309	Advances in the application of the SWAT model for water resources management. <i>Hydrological Processes</i> , 2005 , 19, 749-762	3.3	199
308	INTEGRATION OF A BASIN-SCALE WATER QUALITY MODEL WITH GIS1. <i>Journal of the American Water Resources Association</i> , 1994 , 30, 453-462	2.1	186
307	Calibration and uncertainty analysis of the SWAT model using Genetic Algorithms and Bayesian Model Averaging. <i>Journal of Hydrology</i> , 2009 , 374, 307-317	6	169
306	CONTINENTAL SCALE SIMULATION OF THE HYDROLOGIC BALANCE1. <i>Journal of the American Water Resources Association</i> , 1999 , 35, 1037-1051	2.1	166
305	Using the Soil and Water Assessment Tool (SWAT) to model ecosystem services: A systematic review. <i>Journal of Hydrology</i> , 2016 , 535, 625-636	6	158
304	Impact of climate change on the hydroclimatology of Lake Tana Basin, Ethiopia. <i>Water Resources Research</i> , 2011 , 47,	5.4	149
303	Modeling impacts of climate change on freshwater availability in Africa. <i>Journal of Hydrology</i> , 2013 , 480, 85-101	6	146
302	Possible Impacts of Global Warming on the Hydrology of the Ogallala Aquifer Region. <i>Climatic Change</i> , 1999 , 42, 677-692	4.5	129
301	Runoff Simulation of the Headwaters of the Yellow River Using The SWAT Model With Three Snowmelt Algorithms1. <i>Journal of the American Water Resources Association</i> , 2008 , 44, 48-61	2.1	118
300	ARCGIS-SWAT: A GEODATA MODEL AND GIS INTERFACE FOR SWAT1. <i>Journal of the American Water Resources Association</i> , 2006 , 42, 295-309	2.1	117
299	Analyses of the impact of climate change on water resources components, drought and wheat yield in semiarid regions: Karkheh River Basin in Iran. <i>Hydrological Processes</i> , 2014 , 28, 2018-2032	3.3	113
298	Evaluation of global optimization algorithms for parameter calibration of a computationally intensive hydrologic model. <i>Hydrological Processes</i> , 2009 , 23, 430-441	3.3	109
297	INTEGRATION OF WATERSHED TOOLS AND SWAT MODEL INTO BASINS1. <i>Journal of the American Water Resources Association</i> , 2002 , 38, 1127-1141	2.1	104
296	Introduction to SWAT+, A Completely Restructured Version of the Soil and Water Assessment Tool. <i>Journal of the American Water Resources Association</i> , 2017 , 53, 115-130	2.1	100
295	Introducing a new open source GIS user interface for the SWAT model. <i>Environmental Modelling and Software</i> , 2016 , 85, 129-138	5.2	100
294	A parallelization framework for calibration of hydrological models. <i>Environmental Modelling and Software</i> , 2012 , 31, 28-36	5.2	100
293	A GIS-Coupled Hydrological Model System for the Watershed Assessment of Agricultural Nonpoint and Point Sources of Pollution. <i>Transactions in GIS</i> , 2004 , 8, 113-136	2.1	99
292	Development and Integration of Sub-hourly RainfallRunoff Modeling Capability Within a Watershed Model. <i>Water Resources Management</i> , 2010 , 24, 4505-4527	3.7	97

291	Multi-Site Calibration of the SWAT Model for Hydrologic Modeling. <i>Transactions of the ASABE</i> , 2008 , 51, 2039-2049	0.9	97
290	Modeling of Sediment Yield From Anjeni-Gauged Watershed, Ethiopia Using SWAT Model1. <i>Journal of the American Water Resources Association</i> , 2010 , 46, 514-526	2.1	95
289	On the use of multi-algorithm, genetically adaptive multi-objective method for multi-site calibration of the SWAT model. <i>Hydrological Processes</i> , 2010 , 24, 955-969	3.3	95
288	Comparison of Process-Based and Temperature-Index Snowmelt Modeling in SWAT. <i>Water Resources Management</i> , 2010 , 24, 1065-1088	3.7	92
287	EFFECT OF WATERSHED SUBDIVISION ON SIMULATION RUNOFF AND FINE SEDIMENT YIELD. <i>Transactions of the American Society of Agricultural Engineers</i> , 1997 , 40, 1329-1335		91
286	Assessing the capability of the SWAT model to simulate snow, snow melt and streamflow dynamics over an alpine watershed. <i>Journal of Hydrology</i> , 2015 , 531, 574-588	6	90
285	Soil and Water Assessment Tool (SWAT) Hydrologic/Water Quality Model: Extended Capability and Wider Adoption. <i>Transactions of the ASABE</i> , 2011 , 54, 1677-1684	0.9	89
284	Simulation of Agricultural Management Alternatives for Watershed Protection. <i>Water Resources Management</i> , 2010 , 24, 3115-3144	3.7	89
283	Approximating SWAT Model Using Artificial Neural Network and Support Vector Machine1. <i>Journal of the American Water Resources Association</i> , 2009 , 45, 460-474	2.1	86
282	A model integration framework for linking SWAT and MODFLOW. <i>Environmental Modelling and Software</i> , 2015 , 73, 103-116	5.2	85
281	Impact of model development, calibration and validation decisions on hydrological simulations in West Lake Erie Basin. <i>Hydrological Processes</i> , 2015 , 29, 5307-5320	3.3	85
280	Coupling upland watershed and downstream waterbody hydrodynamic and water quality models (SWAT and CE-QUAL-W2) for better water resources management in complex river basins. <i>Environmental Modeling and Assessment</i> , 2008 , 13, 135-153	2	85
279	Evaluating the SWAT Model for Hydrological Modeling in the Xixian Watershed and a Comparison with the XAJ Model. <i>Water Resources Management</i> , 2011 , 25, 2595-2612	3.7	76
278	Return-flow assessment for irrigation command in the Palleru river basin using SWAT model. <i>Hydrological Processes</i> , 2005 , 19, 673-682	3.3	76
277	Effect of GIS data quality on small watershed stream flow and sediment simulations. <i>Hydrological Processes</i> , 2005 , 19, 629-650	3.3	74
276	GIS-Based Spatial Precipitation Estimation: A Comparison of Geostatistical Approaches1. <i>Journal of the American Water Resources Association</i> , 2009 , 45, 894-906	2.1	72
275	Predicting Hydrologic Response to Climate Change in the Luohe River Basin Using the SWAT Model. <i>Transactions of the ASABE</i> , 2007 , 50, 901-910	0.9	70
274	Efficient multi-objective calibration of a computationally intensive hydrologic model with parallel computing software in Python. <i>Environmental Modelling and Software</i> , 2013 , 46, 208-218	5.2	68

273	Using Satellite and Field Data with Crop Growth Modeling to Monitor and Estimate Corn Yield in Mexico. <i>Crop Science</i> , 2002 , 42, 1943-1949	2.4	68
272	Alternative River Management Using a Linked GIS-Hydrology Model. <i>Transactions of the American Society of Agricultural Engineers</i> , 1995 , 38, 783-790		67
271	Assessing potential land suitable for surface irrigation using groundwater in Ethiopia. <i>Applied Geography</i> , 2017 , 85, 1-13	4.4	63
270	Comparison of raingage and WSR-88D Stage III precipitation data over the Texas-Gulf basin. <i>Journal of Hydrology</i> , 2004 , 292, 135-152	6	62
269	Assessing the implications of water harvesting intensification on upstream-downstream ecosystem services: A case study in the Lake Tana basin. <i>Science of the Total Environment</i> , 2016 , 542, 22-35	10.2	59
268	Direct rolling of as-cast Ti ₆ Al ₄ V modified with trace additions of boron. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008 , 487, 541-551	5.3	59
267	Using the SWAT model to assess the impacts of changing irrigation from surface to pressurized systems on water productivity and water saving in the Zarrineh Rud catchment. <i>Agricultural Water Management</i> , 2016 , 175, 15-28	5.9	57
266	PREDICTION OF TWO-YEAR PEAK STREAM-DISCHARGES USING NEURAL NETWORKS1. <i>Journal of the American Water Resources Association</i> , 1997 , 33, 625-630	2.1	57
265	Setting up a hydrological model of Alberta: Data discrimination analyses prior to calibration. <i>Environmental Modelling and Software</i> , 2015 , 74, 48-65	5.2	54
264	Estimating uncertainty of streamflow simulation using Bayesian neural networks. <i>Water Resources Research</i> , 2009 , 45,	5.4	54
263	Assessment of climate change impacts on streamflow and hydropower potential in the headwater region of the Grande river basin, Southeastern Brazil. <i>International Journal of Climatology</i> , 2017 , 37, 5003-5023 ⁵³	3.5	53
262	Evaluating the safety effects of bicycle lanes in New York City. <i>American Journal of Public Health</i> , 2012 , 102, 1120-7	5.1	51
261	Safety effectiveness of converting signalized intersections to roundabouts. <i>Accident Analysis and Prevention</i> , 2013 , 50, 234-41	6.1	51
260	Hydrologic Modelling of the United States with the Soil and Water Assessment Tool. <i>International Journal of Water Resources Development</i> , 1998 , 14, 315-325	3	51
259	Analysis of streamflow responses to climate variability and land use change in the Loess Plateau region of China. <i>Catena</i> , 2017 , 154, 1-11	5.8	50
258	An automated cloud detection method for daily NOAA-14 AVHRR data for Texas, USA. <i>International Journal of Remote Sensing</i> , 2002 , 23, 2939-2950	3.1	50
257	Assessment of seasonal and spatial variation of surface water quality, identification of factors associated with water quality variability, and the modeling of critical nonpoint source pollution areas in an agricultural watershed. <i>Journal of Soils and Water Conservation</i> , 2013 , 68, 155-171	2.2	49
256	Nonpoint Source (NPS) Pollution Modeling Using Models Integrated with Geographic Information Systems (GIS). <i>Water Science and Technology</i> , 1993 , 28, 685-690	2.2	48

255	ESTIMATION OF LONG-TERM SOIL MOISTURE USING A DISTRIBUTED PARAMETER HYDROLOGIC MODEL AND VERIFICATION USING REMOTELY SENSED DATA. <i>Transactions of the American Society of Agricultural Engineers</i> , 2005 , 48, 1101-1113		47
254	A Review of SWAT Studies in Southeast Asia: Applications, Challenges and Future Directions. <i>Water (Switzerland)</i> , 2019 , 11, 914	3	46
253	Integration of hydrologic and water allocation models in basin-scale water resources management considering crop pattern and climate change: Karkheh River Basin in Iran. <i>Regional Environmental Change</i> , 2015 , 15, 475-484	4.3	46
252	A GIS-BASED REGIONAL PLANNING TOOL FOR IRRIGATION DEMAND ASSESSMENT AND SAVINGS USING SWAT. <i>Transactions of the American Society of Agricultural Engineers</i> , 2005 , 48, 137-147		46
251	Evaluation of SWAT models performance to simulate streamflow spatial origin. The case of a small forested watershed. <i>Journal of Hydrology</i> , 2015 , 525, 326-334	6	45
250	Regional scale hydrologic modeling for prediction of water balance, analysis of trends in streamflow and variations in streamflow: The case study of the Ganga River basin. <i>Journal of Hydrology: Regional Studies</i> , 2018 , 16, 32-53	3.6	44
249	Evaluation of bioenergy crop growth and the impacts of bioenergy crops on streamflow, tile drain flow and nutrient losses in an extensively tile-drained watershed using SWAT. <i>Science of the Total Environment</i> , 2018 , 613-614, 724-735	10.2	42
248	Improved simulation of river water and groundwater exchange in an alluvial plain using the SWAT model. <i>Hydrological Processes</i> , 2016 , 30, 187-202	3.3	42
247	Water resources of the Black Sea Basin at high spatial and temporal resolution. <i>Water Resources Research</i> , 2014 , 50, 5866-5885	5.4	42
246	Simultaneous calibration of surface flow and baseflow simulations: a revisit of the SWAT model calibration framework. <i>Hydrological Processes</i> , 2011 , 25, 2313-2320	3.3	42
245	Analysis of the frequency and severity of rear-end crashes in work zones. <i>Traffic Injury Prevention</i> , 2013 , 14, 61-72	1.8	41
244	Estimation of managed loblolly pine stand age and density with Landsat ETM+ data. <i>Forest Ecology and Management</i> , 2006 , 223, 247-254	3.9	41
243	A refined regional modeling approach for the Corn Belt [Experiences and recommendations for large-scale integrated modeling. <i>Journal of Hydrology</i> , 2015 , 524, 348-366	6	40
242	Using NEXRAD and Rain Gauge Precipitation Data for Hydrologic Calibration of SWAT in a Northeastern Watershed. <i>Transactions of the ASABE</i> , 2010 , 53, 1501-1510	0.9	40
241	Modifying the Soil and Water Assessment Tool to simulate cropland carbon flux: model development and initial evaluation. <i>Science of the Total Environment</i> , 2013 , 463-464, 810-22	10.2	39
240	Temporal-spatial dynamics of vegetation variation on non-point source nutrient pollution. <i>Ecological Modelling</i> , 2009 , 220, 2702-2713	3	39
239	Extension and validation of a geographic information system-based method for calculating the Revised Universal Soil Loss Equation length-slope factor for erosion risk assessments in large watersheds. <i>Journal of Soils and Water Conservation</i> , 2008 , 63, 105-111	2.2	39
238	Climate Change Impacts for the Conterminous USA: An Integrated Assessment. <i>Climatic Change</i> , 2005 , 69, 67-88	4.5	39

237	Advances in water resources research in the Upper Blue Nile basin and the way forward: A review. <i>Journal of Hydrology</i> , 2018 , 560, 407-423	6	38
236	Accuracy evaluation of weather data generation and disaggregation methods at finer timescales. <i>Advances in Water Resources</i> , 2007 , 30, 1286-1300	4.7	37
235	STREAM FLOW ESTIMATION USING SPATIALLY DISTRIBUTED RAINFALL IN THE TRINITY RIVER BASIN, TEXAS. <i>Transactions of the American Society of Agricultural Engineers</i> , 2004 , 47, 1445-1451		36
234	Western Lake Erie Basin: Soft-data-constrained, NHDPlus resolution watershed modeling and exploration of applicable conservation scenarios. <i>Science of the Total Environment</i> , 2016 , 569-570, 1265-1281	10.2	36
233	Assessment of the soil water content in the Pampas region using SWAT. <i>Catena</i> , 2016 , 137, 298-309	5.8	35
232	Contacts between domestic livestock and wildlife at the Kruger National Park Interface of the Republic of South Africa. <i>Preventive Veterinary Medicine</i> , 2012 , 103, 16-21	3.1	34
231	Assessment of MIROC3.2 HiRes Climate and CLUE-s Land Use Change Impacts on Watershed Hydrology Using SWAT. <i>Transactions of the ASABE</i> , 2011 , 54, 1713-1724	0.9	34
230	Fit-for-purpose analysis of uncertainty using split-sampling evaluations. <i>Hydrological Sciences Journal</i> , 2008 , 53, 1090-1103	3.5	34
229	Modeling Streamflow and Water Quality Sensitivity to Climate Change and Urban Development in 20 U.S. Watersheds. <i>Journal of the American Water Resources Association</i> , 2015 , 51, 1321-1341	2.1	33
228	Evaluation of Three Watershed-Scale Pesticide Environmental Transport and Fate Models ¹ . <i>Journal of the American Water Resources Association</i> , 2007 , 43, 1424-1443	2.1	33
227	Evaluating different NDVI composite techniques using NOAA-14 AVHRR data. <i>International Journal of Remote Sensing</i> , 2003 , 24, 3403-3412	3.1	33
226	Assessing the hydrological response from an ensemble of CMIP5 climate projections in the transition zone of the Atlantic region (Bay of Biscay). <i>Journal of Hydrology</i> , 2017 , 548, 46-62	6	32
225	Improving SWAT auto-irrigation functions for simulating agricultural irrigation management using long-term lysimeter field data. <i>Environmental Modelling and Software</i> , 2018 , 99, 25-38	5.2	32
224	Application of Large-Scale, Multi-Resolution Watershed Modeling Framework Using the Hydrologic and Water Quality System (HAWQS). <i>Water (Switzerland)</i> , 2016 , 8, 164	3	32
223	Accuracy of grid precipitation data for Brazil: application in river discharge modelling of the Tocantins catchment. <i>Hydrological Processes</i> , 2016 , 30, 1419-1430	3.3	32
222	Global soil, landuse, evapotranspiration, historical and future weather databases for SWAT Applications. <i>Scientific Data</i> , 2019 , 6, 263	8.2	31
221	Application date as a controlling factor of pesticide transfers to surface water during runoff events. <i>Catena</i> , 2014 , 119, 97-103	5.8	31
220	Evaluating the Impact of Low Impact Development (LID) Practices on Water Quantity and Quality under Different Development Designs Using SWAT. <i>Water (Switzerland)</i> , 2017 , 9, 193	3	31

219	Assessment of Future Climate Change Impacts on Water Quantity and Quality for a Mountainous Dam Watershed Using SWAT. <i>Transactions of the ASABE</i> , 2011 , 54, 1725-1737	0.9	31
218	Groundwater Modeling Under Variable Operating Conditions Using SWAT, MODFLOW and MT3DMS: a Catchment Scale Approach to Water Resources Management. <i>Water Resources Management</i> , 2018 , 32, 1631-1649	3.7	30
217	LUMINATE: linking agricultural land use, local water quality and Gulf of Mexico hypoxia. <i>European Review of Agricultural Economics</i> , 2014 , 41, 431-459	3.4	30
216	Surface water quality and cropping systems sustainability under a changing climate in the Upper Mississippi River Basin. <i>Journal of Soils and Water Conservation</i> , 2014 , 69, 483-494	2.2	30
215	Improved Hydrological Decision Support System for the Lower Mekong River Basin Using Satellite-Based Earth Observations. <i>Remote Sensing</i> , 2018 , 10, 885	5	29
214	Rolling of Plates and Sheets from As-Cast Ti-6Al-4V-0.1B. <i>Journal of Materials Engineering and Performance</i> , 2009 , 18, 390-398	1.6	29
213	Comparison of performance of tile drainage routines in SWAT 2009 and 2012 in an extensively tile-drained watershed in the Midwest. <i>Hydrology and Earth System Sciences</i> , 2018 , 22, 89-110	5.5	29
212	Hydrological modelling of the Vistula and Odra river basins using SWAT. <i>Hydrological Sciences Journal</i> , 2017 , 62, 1266-1289	3.5	28
211	Evaluating Hydrological Models for Deriving Water Resources in Peninsular Spain. <i>Sustainability</i> , 2019 , 11, 2872	3.6	28
210	Estimation of Calibration Functions for Predicting Crashes on Rural Two-Lane Roads in Arizona. <i>Transportation Research Record</i> , 2016 , 2583, 17-24	1.7	28
209	Progress toward Evaluating the Sustainability of Switchgrass as a Bioenergy Crop using the SWAT Model. <i>Transactions of the ASABE</i> , 2010 , 53, 1547-1556	0.9	28
208	Simulation of Conservation Practices Using the APEX Model. <i>Applied Engineering in Agriculture</i> , 2010 , 26, 779-794	0.8	28
207	VALIDATION OF AGNPS FOR SMALL WATERSHEDS USING AN INTEGRATED AGNPS/GIS SYSTEM1. <i>Journal of the American Water Resources Association</i> , 1993 , 29, 833-842	2.1	28
206	Modeling the effects of climate change on hydrology and sediment load in a headwater basin in the Brazilian Cerrado biome. <i>Ecological Engineering</i> , 2019 , 133, 20-31	3.9	27
205	Satellite observations and modeling to understand the Lower Mekong River basin streamflow variability. <i>Journal of Hydrology</i> , 2018 , 564, 559-573	6	26
204	Effect of Laser Power and Scan Speed on Melt Pool Characteristics of Commercially Pure Titanium (CP-Ti). <i>Journal of Materials Engineering and Performance</i> , 2017 , 26, 3560-3568	1.6	26
203	Daily nitrate losses: implication on long-term river quality in an intensive agricultural catchment of southwestern france. <i>Journal of Environmental Quality</i> , 2014 , 43, 46-54	3.4	26
202	GIS-based spatial precipitation estimation using next generation radar and raingauge data. <i>Environmental Modelling and Software</i> , 2010 , 25, 1781-1788	5.2	26

201	Evaluation of new farming technologies in Ethiopia using the Integrated Decision Support System (IDSS). <i>Agricultural Water Management</i> , 2017 , 180, 267-279	5.9	25
200	Assessing the Efficacy of the SWAT Auto-Irrigation Function to Simulate Irrigation, Evapotranspiration, and Crop Response to Management Strategies of the Texas High Plains. <i>Water (Switzerland)</i> , 2017 , 9, 509	3	25
199	Modeled effects of moderate and strong 'Los Niños' on crop productivity in North America. <i>Agricultural and Forest Meteorology</i> , 1999 , 94, 259-268	5.8	25
198	Calibration and Validation of the SWAT Model for Predicting Daily ET over Irrigated Crops in the Texas High Plains Using Lysimetric Data. <i>Transactions of the ASABE</i> , 2016 , 59, 611-622	0.9	25
197	Analysis of rainfall extremes and water yield of Krishna river basin under future climate scenarios. <i>Journal of Hydrology: Regional Studies</i> , 2018 , 19, 287-306	3.6	25
196	Effect of Climate Change on Hydrology, Sediment and Nutrient Losses in Two Lowland Catchments in Poland. <i>Water (Switzerland)</i> , 2017 , 9, 156	3	24
195	Crash Modification Factors: Foundational Issues. <i>Transportation Research Record</i> , 2012 , 2279, 67-74	1.7	24
194	Hydrologic Modeling of a Canal-Irrigated Agricultural Watershed with Irrigation Best Management Practices: Case Study. <i>Journal of Hydrologic Engineering - ASCE</i> , 2011 , 16, 746-757	1.8	24
193	Simulating the impacts of climate change on hydrology and crop production in the Northern High Plains of Texas using an improved SWAT model. <i>Agricultural Water Management</i> , 2019 , 221, 13-24	5.9	23
192	Large-Scale Fine-Resolution Hydrological Modeling Using Parameter Regionalization in the Missouri River Basin. <i>Journal of the American Water Resources Association</i> , 2016 , 52, 648-666	2.1	23
191	The Impact of El Niño/Southern Oscillation on Hydrology and Rice Productivity in the Cauvery Basin, India: Application of the Soil and Water Assessment Tool. <i>Weather and Climate Extremes</i> , 2013 , 2, 39-47	6	23
190	Application of a SWAT Model for Hydrological Modeling in the Xixian Watershed, China. <i>Journal of Hydrologic Engineering - ASCE</i> , 2013 , 18, 1522-1529	1.8	23
189	A Comprehensive Modeling Approach for Reservoir Water Quality Assessment and Management Due to Point and Nonpoint Source Pollution. <i>Transactions of the ASABE</i> , 2010 , 53, 1605-1617	0.9	23
188	Estimating Evapotranspiration for Dryland Cropping Systems in the Semiarid Texas High Plains Using SWAT. <i>Journal of the American Water Resources Association</i> , 2016 , 52, 298-314	2.1	23
187	Forecasting changes in water quality in rivers associated with growing biofuels in the Arkansas-White-Red river drainage, USA. <i>GCB Bioenergy</i> , 2015 , 7, 774-784	5.6	22
186	SUBWATERSHED SPATIAL ANALYSIS TOOL: DISCRETIZATION OF A DISTRIBUTED HYDROLOGIC MODEL BY STATISTICAL CRITERIA ¹ . <i>Journal of the American Water Resources Association</i> , 2002 , 38, 1723-1733	2.1	22
185	Assessment of site-specific agricultural Best Management Practices in the Upper East River watershed, Wisconsin, using a field-scale SWAT model. <i>Journal of Great Lakes Research</i> , 2019 , 45, 619-643	3	21
184	Climate Change Impacts on US Water Quality Using Two Models: HAWQS and US Basins. <i>Water (Switzerland)</i> , 2017 , 9, 118	3	21

183	Low-Velocity Impact Behavior of Sandwich Structures with Additively Manufactured Polymer Lattice Cores. <i>Journal of Materials Engineering and Performance</i> , 2018 , 27, 2505-2512	1.6	20
182	Use of Decision Tables to Simulate Management in SWAT+. <i>Water (Switzerland)</i> , 2018 , 10, 713	3	20
181	Field_SWAT: A tool for mapping SWAT output to field boundaries. <i>Computers and Geosciences</i> , 2012 , 40, 175-184	4.5	20
180	Estimating regional forest cover in East Texas using Enhanced Thematic Mapper (ETM+) data. <i>Forest Ecology and Management</i> , 2005 , 218, 342-352	3.9	20
179	SIMULATED IMPACTS OF EL NINO/SOUTHERN OSCILLATION ON UNITED STATES WATER RESOURCES1. <i>Journal of the American Water Resources Association</i> , 2003 , 39, 137-148	2.1	20
178	Effect of climate change on land suitability for surface irrigation and irrigation potential of the shallow groundwater in Ghana. <i>Computers and Electronics in Agriculture</i> , 2019 , 157, 110-125	6.5	20
177	Modelling the effect of riparian vegetation restoration on sediment transport in a human-impacted Brazilian catchment. <i>Ecohydrology</i> , 2016 , 9, 1289-1303	2.5	19
176	Assessment of Suitable Areas for Home Gardens for Irrigation Potential, Water Availability, and Water-Lifting Technologies. <i>Water (Switzerland)</i> , 2018 , 10, 495	3	19
175	Simulating sub-daily hydrological process with SWAT: a review. <i>Hydrological Sciences Journal</i> , 2019 , 64, 1415-1423	3.5	19
174	Atmospheric Nitrogen Flux from the Watersheds of Major Estuaries of the United States: An Application of the SPARROW Watershed Model. <i>Coastal and Estuarine Studies</i> , 2013 , 119-170		19
173	Simulated Crop Yields Response to Irrigation Water and Economic Analysis: Increasing Irrigated Water Use Efficiency in the Indian Punjab. <i>Agronomy Journal</i> , 2007 , 99, 1073-1084	2.2	19
172	Environmental and ecological hydroinformatics to support the implementation of the European Water Framework Directive for river basin management. <i>Journal of Hydroinformatics</i> , 2006 , 8, 239-252	2.6	19
171	Glacier mass balance simulation using SWAT distributed snow algorithm. <i>Hydrological Sciences Journal</i> , 2017 , 62, 546-560	3.5	18
170	Functional Approach to Simulating Short-Rotation Woody Crops in Process-Based Models. <i>Bioenergy Research</i> , 2015 , 8, 1598-1613	3.1	18
169	Analysis of alternative climate datasets and evapotranspiration methods for the Upper Mississippi River Basin using SWAT within HAWQS. <i>Science of the Total Environment</i> , 2020 , 720, 137562	10.2	18
168	Mapping Land Use Land Cover Change in the Lower Mekong Basin from 1997 to 2010. <i>Frontiers in Environmental Science</i> , 2020 , 8,	4.8	18
167	Modeling Crop Water Productivity Using a Coupled SWATMODSIM Model. <i>Water (Switzerland)</i> , 2017 , 9, 157	3	18
166	Characterization of fate and transport of isoxaflutole, a soil-applied corn herbicide, in surface water using a watershed model. <i>Journal of Agricultural and Food Chemistry</i> , 2005 , 53, 8848-58	5.7	18

165	Surface drainage nitrate loading estimate from agriculture fields and its relationship with landscape metrics in Tajan watershed. <i>Paddy and Water Environment</i> , 2017 , 15, 541-552	1.6	17
164	Spatio-Temporal Impacts of Biofuel Production and Climate Variability on Water Quantity and Quality in Upper Mississippi River Basin. <i>Water (Switzerland)</i> , 2015 , 7, 3283-3305	3	17
163	Climate change impact on countrywide water balance in Bolivia. <i>Regional Environmental Change</i> , 2014 , 14, 727-742	4.3	17
162	Hourly Analyses of Hydrological and Water Quality Simulations Using the ESWAT Model. <i>Water Resources Management</i> , 2009 , 23, 303-324	3.7	17
161	Safety Effectiveness of Selected Treatments at Urban Signalized Intersections. <i>Transportation Research Record</i> , 2008 , 2056, 70-76	1.7	17
160	Evaluating satellite-based evapotranspiration estimates for hydrological applications in data-scarce regions: A case in Ethiopia. <i>Science of the Total Environment</i> , 2020 , 743, 140702	10.2	17
159	Evaluating runoff and sediment responses to soil and water conservation practices by employing alternative modeling approaches. <i>Science of the Total Environment</i> , 2020 , 747, 141118	10.2	17
158	Integrating multimedia models to assess nitrogen losses from the Mississippi River basin to the Gulf of Mexico. <i>Biogeosciences</i> , 2018 , 15, 7059-7076	4.6	17
157	Application of the SWAT model to assess the impact of changes in agricultural management practices on water quality. <i>Hydrological Sciences Journal</i> , 2015 , 1-19	3.5	16
156	Reliability of MODIS Evapotranspiration Products for Heterogeneous Dry Forest: A Study Case of Caatinga. <i>Advances in Meteorology</i> , 2017 , 2017, 1-14	1.7	16
155	Modeling Sedimentation-Filtration Basins for Urban Watersheds Using Soil and Water Assessment Tool. <i>Journal of Environmental Engineering, ASCE</i> , 2013 , 139, 838-848	2	16
154	Development of Sub-Daily Erosion and Sediment Transport Algorithms for SWAT. <i>Transactions of the ASABE</i> , 2011 , 54, 1685-1691	0.9	16
153	Comparison of a Subjective and a Physical Approach for Identification of Priority Areas for Soil and Water Management in a Watershed A Case Study of Nagwan Watershed in Hazaribagh District of Jharkhand, India. <i>Environmental Modeling and Assessment</i> , 2004 , 9, 115-127	2	16
152	Development and Testing of a Physically Based Model of Streambank Erosion for Coupling with a Basin-Scale Hydrologic Model SWAT. <i>Journal of the American Water Resources Association</i> , 2017 , 53, 344-364	2.1	15
151	Calibration of a Field-Scale Soil and Water Assessment Tool (SWAT) Model with Field Placement of Best Management Practices in Alger Creek, Michigan. <i>Sustainability</i> , 2018 , 10, 851	3.6	15
150	Web-based decision support system tools: The Soil and Water Assessment Tool Online visualization and analyses (SWATOnline) and NASA earth observation data downloading and reformatting tool (NASAaccess). <i>Environmental Modelling and Software</i> , 2019 , 120, 104499-104499	5.2	15
149	Assessing the Impact of Best Management Practices in a Highly Anthropogenic and Ungauged Watershed Using the SWAT Model: A Case Study in the El Beal Watershed (Southeast Spain). <i>Agronomy</i> , 2019 , 9, 576	3.6	15
148	Modeling the effects of land use change from cotton (<i>Gossypium hirsutum</i> L.) to perennial bioenergy grasses on watershed hydrology and water quality under changing climate. <i>Agricultural Water Management</i> , 2017 , 192, 198-208	5.9	15

147	Crash Modification Factors for Changes to Left-Turn Phasing. <i>Transportation Research Record</i> , 2012 , 2279, 108-117	1.7	15
146	Influence of trace boron addition on the directional solidification characteristics of TiBAl ₃ V. <i>Scripta Materialia</i> , 2010 , 63, 1244-1247	5.6	15
145	Rainfall and temperature distinguish between Karnal bunt positive and negative years in wheat fields in Texas. <i>Phytopathology</i> , 2008 , 98, 95-100	3.8	15
144	Assessing regional impacts of change: linking economic and environmental models. <i>Agricultural Systems</i> , 2000 , 63, 147-159	6.1	15
143	Development of reservoir operation functions in SWAT+ for national environmental assessments. <i>Journal of Hydrology</i> , 2020 , 583, 124556	6	15
142	Assessing the Impact of Site-Specific BMPs Using a Spatially Explicit, Field-Scale SWAT Model with Edge-of-Field and Tile Hydrology and Water-Quality Data in the Eagle Creek Watershed, Ohio. <i>Water (Switzerland)</i> , 2018 , 10, 1299	3	15
141	Projected Hydrologic Changes Under Mid-21st Century Climatic Conditions in a Sub-arctic Watershed. <i>Water Resources Management</i> , 2015 , 29, 1467-1487	3.7	14
140	Enhancing SWAT simulation of forest ecosystems for water resource assessment: A case study in the St. Croix River basin. <i>Ecological Engineering</i> , 2018 , 120, 422-431	3.9	14
139	Data for WEF Nexus Analysis: a Review of Issues. <i>Current Sustainable/Renewable Energy Reports</i> , 2017 , 4, 137-143	2.8	14
138	Evaluation of Rectangular Rapid Flash Beacon at Pinellas Trail Crossing in Saint Petersburg, Florida. <i>Transportation Research Record</i> , 2012 , 2314, 7-13	1.7	14
137	Hydrologic Evaluation of a Mediterranean Watershed Using the SWAT Model with Multiple PET Estimation Methods. <i>Transactions of the ASABE</i> , 2011 , 54, 1615-1625	0.9	14
136	Spatially Explicit Load Enrichment Calculation Tool to Identify Potential E. coli Sources in Watersheds. <i>Transactions of the ASABE</i> , 2009 , 52, 1109-1120	0.9	14
135	Climate Change Impact on Agricultural Water Resources Variability in the Northern Highlands of Ethiopia 2011 , 241-265		14
134	SWAT ungauged: Water quality modeling in the Upper Mississippi River Basin. <i>Journal of Hydrology</i> , 2020 , 584,	6	14
133	Modeling freshwater quality scenarios with ecosystem-based adaptation in the headwaters of the Cantareira system, Brazil. <i>Hydrology and Earth System Sciences</i> , 2018 , 22, 4699-4723	5.5	14
132	IPEAT+: A Built-In Optimization and Automatic Calibration Tool of SWAT+. <i>Water (Switzerland)</i> , 2019 , 11, 1681	3	13
131	High-Resolution Simulations of Decadal Climate Variability Impacts on Water Yield in the Missouri River Basin with the Soil and Water Assessment Tool (SWAT). <i>Journal of Hydrometeorology</i> , 2016 , 17, 2455-2476	3.7	13
130	Hydrological Modeling of Highly Glacierized Basins (Andes, Alps, and Central Asia). <i>Water (Switzerland)</i> , 2017 , 9, 111	3	13

129	Assessing BMP effectiveness: multiprocedure analysis of observed water quality data. <i>Environmental Monitoring and Assessment</i> , 2010 , 170, 315-29	3.1	13
128	A geostatistical method for Texas NexRad data calibration. <i>Environmetrics</i> , 2008 , 19, 1-19	1.3	13
127	Spatial evaluation of alternative nonpoint nutrient regulatory instruments. <i>Water Resources Research</i> , 2003 , 39,	5.4	13
126	Potential of radar-estimated rainfall for plant disease risk forecast. <i>Phytopathology</i> , 2005 , 95, 25-7	3.8	13
125	Development and improvement of the simulation of woody bioenergy crops in the Soil and Water Assessment Tool (SWAT). <i>Environmental Modelling and Software</i> , 2019 , 122, 104295	5.2	13
124	Effect of Vertical Strut Arrangements on Compression Characteristics of 3D Printed Polymer Lattice Structures: Experimental and Computational Study. <i>Journal of Materials Engineering and Performance</i> , 2019 , 28, 709-716	1.6	13
123	Compression behavior of three-dimensional printed polymer lattice structures. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2019 , 233, 1574-1584	1.3	13
122	Ground and satellite based observation datasets for the Lower Mekong River Basin. <i>Data in Brief</i> , 2018 , 21, 2020-2027	1.2	13
121	Assessment of Alternative Agricultural Land Use Options for Extending the Availability of the Ogallala Aquifer in the Northern High Plains of Texas. <i>Hydrology</i> , 2018 , 5, 53	2.8	13
120	Cost of areal reduction of gulf hypoxia through agricultural practice. <i>Science of the Total Environment</i> , 2015 , 505, 149-53	10.2	12
119	Spatio-temporal analysis of rainfall extremes in the flood-prone Nagavali and Vamsadhara Basins in eastern India. <i>Weather and Climate Extremes</i> , 2020 , 29, 100265	6	12
118	Assessment of the denitrification process in alluvial wetlands at floodplain scale using the SWAT model. <i>Ecological Engineering</i> , 2017 , 103, 344-358	3.9	12
117	Evaluating Various Low-Impact Development Scenarios for Optimal Design Criteria Development. <i>Water (Switzerland)</i> , 2017 , 9, 270	3	12
116	Development of Crash Modification Factors for Uncontrolled Pedestrian Crossing Treatments. <i>Transportation Research Record</i> , 2017 , 2636, 1-8	1.7	12
115	Delineating floodplain and upland areas for hydrologic models: a comparison of methods. <i>Hydrological Processes</i> , 2016 , 30, 4367	3.3	12
114	Soil moisture and discharge modeling in a representative watershed in northeastern Brazil using SWAT. <i>Ecohydrology and Hydrobiology</i> , 2019 , 19, 238-251	2.8	12
113	Multisite evaluation of an improved SWAT irrigation scheduling algorithm for corn (<i>Zea mays</i> L.) production in the U.S. Southern Great Plains. <i>Environmental Modelling and Software</i> , 2019 , 118, 23-34	5.2	11
112	Using SWAT for sub-field identification of phosphorus critical source areas in a saturation excess runoff region. <i>Hydrological Sciences Journal</i> , 2015 , 1-19	3.5	11

111	Basin-wide water accounting based on modified SWAT model and WA+ framework for better policy making. <i>Journal of Hydrology</i> , 2020 , 585, 124762	6	11
110	Using Modeling Tools to Better Understand Permafrost Hydrology. <i>Water (Switzerland)</i> , 2017 , 9, 418	3	11
109	Estimating regional forest cover in East Texas using Advanced Very High Resolution Radiometer (AVHRR) data. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2007 , 9, 41-49	7.3	11
108	Distribution of Field Bindweed and Hedge Bindweed in the USA. <i>Journal of Production Agriculture</i> , 1998 , 11, 377-381		11
107	Assessing the Economic Benefits of Sustainable Land Management Practices in Bhutan. <i>SSRN Electronic Journal</i> ,	1	11
106	LAND-USE CHANGE IMPACTS ON THE HYDROLOGY OF THE UPPER GRANDE RIVER BASIN, BRAZIL. <i>Cerne</i> , 2018 , 24, 334-343	0.7	11
105	Implications of Conceptual Channel Representation on SWAT Streamflow and Sediment Modeling. <i>Journal of the American Water Resources Association</i> , 2017 , 53, 725-747	2.1	10
104	Spatial and temporal patterns of precipitation and stream flow variations in Tigris-Euphrates river basin. <i>Environmental Monitoring and Assessment</i> , 2017 , 189, 50	3.1	10
103	Multi-Dimensional Evaluation of Simulated Small-Scale Irrigation Intervention: A Case Study in Dimbasinia Watershed, Ghana. <i>Sustainability</i> , 2018 , 10, 1531	3.6	10
102	Effect and side-effect assessment of different agricultural water saving measures in an integrated framework. <i>Agricultural Water Management</i> , 2019 , 223, 105685	5.9	10
101	Development of Algorithms for Modeling Onsite Wastewater Systems within SWAT. <i>Transactions of the ASABE</i> , 2011 , 54, 1693-1704	0.9	10
100	Improvement in thermoelectric properties of an n-type bismuth telluride (Bi ₂ Se _{0.3} Te _{2.7}) due to texture development and grain refinement during hot deformation. <i>Materials Letters</i> , 2010 , 64, 1772-1775	3.3	10
99	Combining Global Remote Sensing Products with Hydrological Modeling to Measure the Impact of Tropical Forest Loss on Water-Based Ecosystem Services. <i>Forests</i> , 2019 , 10, 413	2.8	9
98	Investigation of the Curve Number Method For Surface Runoff Estimation In Tropical Regions. <i>Journal of the American Water Resources Association</i> , 2016 , 52, 1155-1169	2.1	9
97	Estimating Potential E. coli Sources in a Watershed Using Spatially Explicit Modeling Techniques ¹ . <i>Journal of the American Water Resources Association</i> , 2012 , 48, 745-761	2.1	9
96	Texture development during deformation processing of the n-type bismuth telluride alloy Bi ₂ Se _{0.3} Te _{2.7} . <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 588, 376-387	5.3	9
95	Use of Empirical Bayesian Methods to Estimate Crash Modification Factors for Daytime versus Nighttime Work Zones. <i>Transportation Research Record</i> , 2011 , 2241, 29-38	1.7	9
94	Environmental risk factors for equine West Nile virus disease cases in Texas. <i>Veterinary Research Communications</i> , 2009 , 33, 461-71	2.9	9

93	Expert system for irrigation management (ESIM). <i>Agricultural Systems</i> , 1991 , 36, 297-314	6.1	9
92	Evaluation of Satellite-Based Rainfall Estimates in the Lower Mekong River Basin (Southeast Asia). <i>Remote Sensing</i> , 2019 , 11, 2709	5	9
91	Climate change impact assessment on water resources under RCP scenarios: A case study in Munda River Basin, Northeastern Brazil. <i>International Journal of Climatology</i> , 2021 , 41, E1045	3.5	9
90	Evaluation of Grid-Based Rainfall Products and Water Balances over the Mekong River Basin. <i>Remote Sensing</i> , 2020 , 12, 1858	5	8
89	Soil and Water Assessment Tool model predictions of annual maximum pesticide concentrations in high vulnerability watersheds. <i>Integrated Environmental Assessment and Management</i> , 2018 , 14, 358-368 ^{2.5}	2.5	8
88	Assessment of Regional Site-Specific Sorghum Ergot Severity Potential Using Radar-Rainfall Measurement. <i>Plant Disease</i> , 2006 , 90, 704-707	1.5	8
87	GROUPWISE MODELING STUDY OF BACTERIALLY IMPAIRED WATERSHEDS IN TEXAS: CLUSTERING ANALYSIS1. <i>Journal of the American Water Resources Association</i> , 2006 , 42, 1017-1031	2.1	8
86	Realistic and simplified models of plant and leaf area indices for a seasonally dry tropical forest. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2020 , 85, 101992	7.3	8
85	Challenges in modelling of water quantity and quality in two contrasting meso-scale catchments in Poland. <i>Journal of Water and Land Development</i> , 2016 , 31, 97-111	1.4	8
84	Spatial and temporal distribution of blue water in the Limpopo River Basin, Southern Africa: A case study. <i>Ecohydrology and Hydrobiology</i> , 2019 , 19, 252-265	2.8	8
83	Numerical and conceptual evaluation of preferential flow in Zarqa River Basin, Jordan. <i>Ecohydrology and Hydrobiology</i> , 2019 , 19, 224-237	2.8	7
82	Reservoir volumetric and sedimentation survey data: A necessary tool for evaluating historic sediment flux and appropriate mitigation response. <i>Lakes and Reservoirs: Research and Management</i> , 2013 , 18, 275-283	1.2	7
81	Technical Note: Estimation of Fresh Water Inflow to Bays from Gaged and Ungaged Watersheds. <i>Applied Engineering in Agriculture</i> , 2011 , 27, 917-923	0.8	7
80	Mapping development potential of dry-season small-scale irrigation in Sub-Saharan African countries under joint biophysical and economic constraints - An agent-based modeling approach with an application to Ethiopia. <i>Agricultural Systems</i> , 2021 , 186, 102987	6.1	7
79	Simulating the effects of agricultural production practices on water conservation and crop yields using an improved SWAT model in the Texas High Plains, USA. <i>Agricultural Water Management</i> , 2021 , 244, 106574	5.9	7
78	Spatio-temporal critical source area patterns of runoff pollution from agricultural practices in the Colombian Andes. <i>Ecological Engineering</i> , 2020 , 149, 105810	3.9	6
77	Optimization of SWAT-Paddy for modeling hydrology and diffuse pollution of large rice paddy fields. <i>Environmental Modelling and Software</i> , 2020 , 130, 104736	5.2	6
76	Watershed scale evaluation of an improved SWAT auto-irrigation function. <i>Environmental Modelling and Software</i> , 2020 , 131, 104789	5.2	6

75	Modeling Water-Quality Loads to the Reservoirs of the Upper Trinity River Basin, Texas, USA. <i>Water (Switzerland)</i> , 2015 , 7, 5689-5704	3	6
74	Evaluation and Spatially Distributed Analyses of Proposed Cost-Effective BMPs for Reducing Phosphorous Level in Cedar Creek Reservoir, Texas. <i>Transactions of the ASABE</i> , 2010 , 53, 1619-1627	0.9	6
73	An automated cloud detection method for daily NOAA 16 advanced very high resolution radiometer data over Texas and Mexico. <i>Journal of Geophysical Research</i> , 2003 , 108,		6
72	WATER QUALITY ASSESSMENT WITH AGRO-ENVIRONMENTAL INDEXING OF NON-POINT SOURCES, TRINITY RIVER BASIN. <i>Applied Engineering in Agriculture</i> , 2000 , 16, 405-417	0.8	6
71	A Comparative Evaluation of the Performance of CHIRPS and CFSR Data for Different Climate Zones Using the SWAT Model. <i>Remote Sensing</i> , 2020 , 12, 3088	5	6
70	User-friendly workflows for catchment modelling: Towards reproducible SWAT+ model studies. <i>Environmental Modelling and Software</i> , 2020 , 134, 104812	5.2	6
69	Event-based hydrology and sedimentation in paired watersheds under commercial eucalyptus and grasslands in the Brazilian Pampa biome. <i>International Soil and Water Conservation Research</i> , 2021 , 9, 180-194	6.9	6
68	Climate Change Impacts for the Conterminous USA: An Integrated Assessment 2005 , 67-88		6
67	Water resource assessment, gaps, and constraints of vegetable production in Robit and Dangishta watersheds, Upper Blue Nile Basin, Ethiopia. <i>Agricultural Water Management</i> , 2019 , 226, 105767	5.9	5
66	Optimization of linear stream temperature model parameters in the soil and water assessment tool for the continental United States. <i>Ecological Engineering</i> , 2019 , 127, 125-134	3.9	5
65	Positive Influence of Behavior Change Communication on Knowledge, Attitudes, and Practices for Visceral Leishmaniasis/Kala-azar in India. <i>Global Health, Science and Practice</i> , 2018 , 6, 192-209	2.8	5
64	Application of Soil and Water Assessment Tool Model to Estimate Sediment Yield in Kaw Lake. <i>American Journal of Environmental Sciences</i> , 2014 , 10, 530-545	0.5	5
63	Climate Change Adaptation Strategies in the Bhavani Basin using the Swat Model. <i>Applied Engineering in Agriculture</i> , 2011 , 27, 887-893	0.8	5
62	Afforestation of degraded grasslands reduces sediment transport and may contribute to streamflow regulation in small catchments in the short-run. <i>Catena</i> , 2021 , 204, 105371	5.8	5
61	Reconstructing the historical water regime of the contributing basins to the Hawizeh marsh: Implications of water control structures. <i>Science of the Total Environment</i> , 2017 , 580, 832-845	10.2	4
60	Dividends in flow prediction improvement using high-resolution soil database. <i>Journal of Hydrology: Regional Studies</i> , 2019 , 21, 159-175	3.6	4
59	Assessing Soil and Water Assessment Tool Plant Stress Algorithms Using Full and Deficit Irrigation Treatments. <i>Agronomy Journal</i> , 2019 , 111, 1266-1280	2.2	4
58	Farm-Scale Biofuel Crop Adoption and Its Effects on In-Basin Water Balance. <i>Sustainability</i> , 2020 , 12, 10596	3.6	4

57	Climate change impact analysis on watershed using QSWAT. <i>Spatial Information Research</i> , 2018 , 26, 253-259	4
56	Widening the arc of indigenous communication: Examining potential for use of ICT in strengthening social and behavior change communication efforts with marginalized communities in India. <i>Electronic Journal of Information Systems in Developing Countries</i> , 2018 , 84, e12032	1.3 4
55	Simulating sediment loading into the major reservoirs in Trinity River Basin. <i>Journal of Soils and Water Conservation</i> , 2013 , 68, 372-383	2.2 4
54	Identification of hyperendemic foci of horses with West Nile virus disease in Texas. <i>American Journal of Veterinary Research</i> , 2008 , 69, 378-84	1.1 4
53	Sediment management modelling in Blue Nile Basin using SWAT model	4
52	APEX: A New Tool for Predicting the Effects of Climate and CO2 Changes on Erosion and Water Quality 1998 , 441-449	4
51	Water budget fluxes in catchments under grassland and Eucalyptus plantations of different ages. <i>Canadian Journal of Forest Research</i> , 2021 , 51, 513-523	1.9 4
50	Developing Land Use Land Cover Maps for the Lower Mekong Basin to Aid Hydrologic Modeling and Basin Planning. <i>Remote Sensing</i> , 2018 , 10, 1910	5 4
49	Using SWAT-LUD Model to Estimate the Influence of Water Exchange and Shallow Aquifer Denitrification on Water and Nitrate Flux. <i>Water (Switzerland)</i> , 2018 , 10, 528	3 4
48	Modeling Changes to Streamflow, Sediment, and Nutrient Loading from Land Use Changes Due to Potential Natural Gas Development. <i>Journal of the American Water Resources Association</i> , 2017 , 53, 1293-1312	2.1 3
47	Mechanical Properties and Microstructures of As Printed and Heat Treated Samples of Selective Laser Melted IN625 Alloy Powder. <i>MATEC Web of Conferences</i> , 2015 , 30, 02002	0.3 3
46	Streambank Erosion and Best Management Practice Simulation using SWAT 2007 ,	3
45	A Continuous Catchment-Scale Erosion Model 1998 , 413-427	3
44	Evaluation of gridded meteorological datasets and their potential hydrological application to a humid area with scarce data for Pirapama River basin, northeastern Brazil. <i>Theoretical and Applied Climatology</i> , 2021 , 145, 393-410	3 3
43	Robust climate change adaptation pathways in agricultural water management. <i>Agricultural Water Management</i> , 2021 , 252, 106904	5.9 3
42	Impacts of swat weather generator statistics from high-resolution datasets on monthly streamflow simulation over Peninsular Spain. <i>Journal of Hydrology: Regional Studies</i> , 2021 , 35, 100826	3.6 3
41	Introducing a new post-processing tool for the SWAT+ model to evaluate environmental flows. <i>Environmental Modelling and Software</i> , 2021 , 136, 104944	5.2 3
40	Crash Modification Factors for the Flashing Yellow Arrow Treatment at Signalized Intersections. <i>Transportation Research Record</i> , 2018 , 2672, 142-152	1.7 3

39	Rainfall partitioning in young clonal plantations Eucalyptus species in a subtropical environment, and implications for water and forest management. <i>International Soil and Water Conservation Research</i> , 2021 , 9, 474-484	6.9	3
38	Identification of Critical Intersection Angle through Crash Modification Functions. <i>Transportation Research Record</i> , 2019 , 2673, 531-543	1.7	2
37	Corrigendum to Reliability of MODIS Evapotranspiration Products for Heterogeneous Dry Forest: A Study Case of Caatinga. <i>Advances in Meteorology</i> , 2017 , 2017, 1-1	1.7	2
36	Hydrologic Modeling of a Retention Irrigation System. <i>Journal of Hydrologic Engineering - ASCE</i> , 2014 , 19, 1036-1041	1.8	2
35	Safety Evaluation of Discontinuing Late Nighttime Flash Operations at Signalized Intersections. <i>Transportation Research Record</i> , 2013 , 2398, 1-8	1.7	2
34	Comparative analyses of East Texas forest cover maps generated from Landsat and AVHRR data. <i>Geo Journal</i> , 2008 , 71, 211-220	2.2	2
33	Surveying Ground Water Level Using Remote Sensing: An Example over the Seco and Hondo Creek Watershed in Texas. <i>Ground Water Monitoring and Remediation</i> , 2006 , 26, 94-102	1.4	2
32	Phosphorus Modeling in Soil and Water Assessment Tool (SWAT) Model 2006 , 163-187		2
31	Sensitivity of North American agriculture to ENSO-based climate scenarios and their socio-economic consequences: Modeling in an integrated assessment framework		2
30	SWAT parameterization for identification of critical erosion watersheds in the Pirapama River basin, Brazil. <i>Journal of Urban and Environmental Engineering</i> , 2019 , 13, 42-58	1.5	2
29	Effect of Watershed Delineation and Climate Datasets Density on Runoff Predictions for the Upper Mississippi River Basin Using SWAT within HAWQS. <i>Water (Switzerland)</i> , 2021 , 13, 422	3	2
28	DRY FOREST DEFORESTATION DYNAMICS IN BRAZIL'S PONTAL BASIN. <i>Revista Caatinga</i> , 2018 , 31, 385-395		2
27	Multi-Step Calibration Approach for SWAT Model Using Soil Moisture and Crop Yields in a Small Agricultural Catchment. <i>Water (Switzerland)</i> , 2021 , 13, 2238	3	2
26	Eucalyptus tree stockings effect on water balance and use efficiency in subtropical sandy soil. <i>Forest Ecology and Management</i> , 2021 , 497, 119473	3.9	2
25	Modeling climate change impacts on blue, green, and grey water footprints and crop yields in the Texas High Plains, USA. <i>Agricultural and Forest Meteorology</i> , 2021 , 310, 108649	5.8	2
24	Climate change impacts on crop water productivity and net groundwater use under a double-cropping system with intensive irrigation in the Haihe River Basin, China. <i>Agricultural Water Management</i> , 2022 , 266, 107560	5.9	2
23	Before-After Evaluation of the Realignment of Horizontal Curves on Rural Two-Lane Roads. <i>Transportation Research Record</i> , 2018 , 2672, 43-52	1.7	1
22	Modeling the Dispersion of E. coli in Waterbodies Due to Urban Sources: A Spatial Approach. <i>Water (Switzerland)</i> , 2017 , 9, 665	3	1

21	Hydrological simulation of a small forested catchment under different land use and forest management. <i>IForest</i> , 2020 , 13, 301-308	1.3	1
20	Evaluate River Water Salinity in a Semi-Arid Agricultural Watershed by Coupling Ensemble Machine Learning Technique with SWAT Model. <i>Journal of the American Water Resources Association</i> ,	2.1	1
19	Economics of Land Degradation and Improvement in Bhutan 2016 , 327-383		1
18	Modeling environmental services in rivers at catchment scale. <i>Annales De Limnologie</i> , 2015 , 51, A1-A2	0.7	1
17	Impact of the Grand Ethiopian Renaissance Dam (GERD) and climate change on water availability in Sudan 2019 , 137-149		1
16	A Framework for Calculating Peak Discharge and Flood Inundation in Ungauged Urban Watersheds Using Remotely Sensed Precipitation Data: A Case Study in Freetown, Sierra Leone. <i>Remote Sensing</i> , 2021 , 13, 3806	5	1
15	Assessing basin blue-green available water components under different management and climate scenarios using SWAT. <i>Agricultural Water Management</i> , 2021 , 256, 107074	5.9	1
14	Determination of accurate baseline representation for three Central Iowa watersheds within a HAWQS-based SWAT analyses. <i>Science of the Total Environment</i> , 2022 , 839, 156302	10.2	1
13	Sensitivity of Riparian Buffer Designs to Climate Change-Nutrient and Sediment Loading to Streams: A Case Study in the Albemarle-Pamlico River Basins (USA) Using HAWQS.. <i>Sustainability</i> , 2021 , 13, 1-28	3.6	0
12	Flow Simulation and Storage Assessment in an Ungauged Irrigation Tank Cascade System Using the SWAT Model. <i>Sustainability</i> , 2021 , 13, 13158	3.6	0
11	Long-term and event-scale sub-daily streamflow and sediment simulation in a small forested catchment. <i>Hydrological Sciences Journal</i> , 2021 , 66, 862-873	3.5	0
10	Constraints of small-scale irrigated fodder production and nutrition assessment for livestock feed, a case study in Ethiopia. <i>Agricultural Water Management</i> , 2021 , 254, 106973	5.9	0
9	Studying Onset and Evolution of Agricultural Drought in Mekong River Basin through Hydrologic Modeling. <i>Water (Switzerland)</i> , 2021 , 13, 3622	3	0
8	Safety Evaluation of Converting Traffic Signals from Incandescent to LED Bulbs. <i>Transportation Research Record</i> , 2013 , 2398, 9-18	1.7	
7	Separation of Safety Effects of Multiple Improvements by Alternate Empirical Bayes Methods. <i>Transportation Research Record</i> , 2011 , 2236, 27-40	1.7	
6	Sleeve resection for mucoepidermoid carcinoma arising from right bronchus—case report. <i>Indian Journal of Thoracic and Cardiovascular Surgery</i> , 2011 , 27, 134-137	0.4	
5	Safety Evaluation of Flashing Beacons at Stop-Controlled Intersections. <i>Transportation Research Record</i> , 2008 , 2056, 77-86	1.7	
4	Assessment of NDVI Composites Using Merged NOAA-14 and NOAA-15 AVHRR Data. <i>Annals of GIS</i> , 2002 , 8, 31-38	4.1	

- 3 High-resolution simulations of decadal climate variability impacts on spring and winter wheat yields in the Missouri River Basin with the Soil and Water Assessment Tool (SWAT). *Climatic Change*, **2021**, 168, 1 4.5
- 2 Implementation of the Semi-Distributed SWAT (Soil and Water Assessment Tool) Model Capacity in the Lobo Watershed at Nibéhibé (Center-West of Côte D'Ivoire). *Journal of Geoscience and Environment Protection*, **2021**, 09, 21-38 0.3
- 1 Identification of suitable areas for fodder production in Ethiopia. *Catena*, **2022**, 213, 106154 5.8