

Raghavan Srinivasan

List of Publications by Year in Descending Order

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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	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
325	Identification of suitable areas for fodder production in Ethiopia. <i>Catena</i> , 2022 , 213, 106154	5.8	
324	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
323	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
322	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
321	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). <i>Climatic Change</i> , 2021 , 168, 1	4.5	
320	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
319	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
318	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
317	Robust climate change adaptation pathways in agricultural water management. <i>Agricultural Water Management</i> , 2021 , 252, 106904	5.9	3
316	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
315	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
314	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
313	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
312	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
311	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
310	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

309	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
308	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
307	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
306	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
305	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
304	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
303	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
302	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
301	Implementation of the Semi-Distributed SWAT (Soil and Water Assessment Tool) Model Capacity in the Lobo Watershed at Niabank (Center-West of the Divoire). <i>Journal of Geoscience and Environment Protection</i> , 2021 , 09, 21-38	0.3	
300	Studying Onset and Evolution of Agricultural Drought in Mekong River Basin through Hydrologic Modeling. <i>Water (Switzerland)</i> , 2021 , 13, 3622	3	0
299	Farm-Scale Biofuel Crop Adoption and Its Effects on In-Basin Water Balance. <i>Sustainability</i> , 2020 , 12, 10596	3.6	4
298	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
297	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
296	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
295	Evaluation of Grid-Based Rainfall Products and Water Balances over the Mekong River Basin. <i>Remote Sensing</i> , 2020 , 12, 1858	5	8
294	Watershed scale evaluation of an improved SWAT auto-irrigation function. <i>Environmental Modelling and Software</i> , 2020 , 131, 104789	5.2	6
293	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
292	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

291	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
290	Hydrological simulation of a small forested catchment under different land use and forest management. <i>IForest</i> , 2020 , 13, 301-308	1.3	1
289	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
288	Development of reservoir operation functions in SWAT+ for national environmental assessments. <i>Journal of Hydrology</i> , 2020 , 583, 124556	6	15
287	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
286	User-friendly workflows for catchment modelling: Towards reproducible SWAT+ model studies. <i>Environmental Modelling and Software</i> , 2020 , 134, 104812	5.2	6
285	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
284	SWAT ungauged: Water quality modeling in the Upper Mississippi River Basin. <i>Journal of Hydrology</i> , 2020 , 584,	6	14
283	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
282	IPEAT+: A Built-In Optimization and Automatic Calibration Tool of SWAT+. <i>Water (Switzerland)</i> , 2019 , 11, 1681	3	13
281	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
280	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
279	Dividends in flow prediction improvement using high-resolution soil database. <i>Journal of Hydrology: Regional Studies</i> , 2019 , 21, 159-175	3.6	4
278	Evaluating Hydrological Models for Deriving Water Resources in Peninsular Spain. <i>Sustainability</i> , 2019 , 11, 2872	3.6	28
277	Numerical and conceptual evaluation of preferential flow in Zarqa River Basin, Jordan. <i>Ecohydrology and Hydrobiology</i> , 2019 , 19, 224-237	2.8	7
276	Identification of Critical Intersection Angle through Crash Modification Functions. <i>Transportation Research Record</i> , 2019 , 2673, 531-543	1.7	2
275	A Review of SWAT Studies in Southeast Asia: Applications, Challenges and Future Directions. <i>Water (Switzerland)</i> , 2019 , 11, 914	3	46
274	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

273	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
272	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
271	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	3.3	21
270	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
269	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
268	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
267	Simulating sub-daily hydrological process with SWAT: a review. <i>Hydrological Sciences Journal</i> , 2019 , 64, 1415-1423	3.5	19
266	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
265	Global soil, landuse, evapotranspiration, historical and future weather databases for SWAT Applications. <i>Scientific Data</i> , 2019 , 6, 263	8.2	31
264	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
263	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
262	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
261	Impact of the Grand Ethiopian Renaissance Dam (GERD) and climate change on water availability in Sudan 2019 , 137-149		1
260	Evaluation of Satellite-Based Rainfall Estimates in the Lower Mekong River Basin (Southeast Asia). <i>Remote Sensing</i> , 2019 , 11, 2709	5	9
259	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
258	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
257	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
256	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

255	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
254	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
253	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
252	Climate change impact analysis on watershed using QSWAT. <i>Spatial Information Research</i> , 2018 , 26, 253-259	2.5	4
251	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
250	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	8
249	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
248	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
247	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
246	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
245	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
244	Satellite observations and modeling to understand the Lower Mekong River basin streamflow variability. <i>Journal of Hydrology</i> , 2018 , 564, 559-573	6	26
243	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
242	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
241	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
240	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
239	Use of Decision Tables to Simulate Management in SWAT+. <i>Water (Switzerland)</i> , 2018 , 10, 713	3	20
238	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

237	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
236	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
235	Ground and satellite based observation datasets for the Lower Mekong River Basin. <i>Data in Brief</i> , 2018 , 21, 2020-2027	1.2	13
234	LAND-USE CHANGE IMPACTS ON THE HYDROLOGY OF THE UPPER GRANDE RIVER BASIN, BRAZIL. <i>Cerne</i> , 2018 , 24, 334-343	0.7	11
233	Crash Modification Factors for the Flashing Yellow Arrow Treatment at Signalized Intersections. <i>Transportation Research Record</i> , 2018 , 2672, 142-152	1.7	3
232	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
231	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
230	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
229	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
228	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
227	DRY FOREST DEFORESTATION DYNAMICS IN BRAZIL'S PONTAL BASIN. <i>Revista Caatinga</i> , 2018 , 31, 385-395	3.5	2
226	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
225	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
224	Glacier mass balance simulation using SWAT distributed snow algorithm. <i>Hydrological Sciences Journal</i> , 2017 , 62, 546-560	3.5	18
223	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
222	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
221	Hydrological modelling of the Vistula and Odra river basins using SWAT. <i>Hydrological Sciences Journal</i> , 2017 , 62, 1266-1289	3.5	28
220	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

219	Assessing potential land suitable for surface irrigation using groundwater in Ethiopia. <i>Applied Geography</i> , 2017 , 85, 1-13	4.4	63
218	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
217	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
216	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
215	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
214	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
213	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
212	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
211	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
210	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
209	Data for WEF Nexus Analysis: a Review of Issues. <i>Current Sustainable/Renewable Energy Reports</i> , 2017 , 4, 137-143	2.8	14
208	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
207	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
206	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
205	Hydrological Modeling of Highly Glacierized Basins (Andes, Alps, and Central Asia). <i>Water (Switzerland)</i> , 2017 , 9, 111	3	13
204	Climate Change Impacts on US Water Quality Using Two Models: HAWQS and US Basins. <i>Water (Switzerland)</i> , 2017 , 9, 118	3	21
203	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
202	Modeling Crop Water Productivity Using a Coupled SWAT-MODSIM Model. <i>Water (Switzerland)</i> , 2017 , 9, 157	3	18

201	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
200	Evaluating Various Low-Impact Development Scenarios for Optimal Design Criteria Development. <i>Water (Switzerland)</i> , 2017 , 9, 270	3	12
199	Using Modeling Tools to Better Understand Permafrost Hydrology. <i>Water (Switzerland)</i> , 2017 , 9, 418	3	11
198	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
197	Modeling the Dispersion of E. coli in Waterbodies Due to Urban Sources: A Spatial Approach. <i>Water (Switzerland)</i> , 2017 , 9, 665	3	1
196	Development of Crash Modification Factors for Uncontrolled Pedestrian Crossing Treatments. <i>Transportation Research Record</i> , 2017 , 2636, 1-8	1.7	12
195	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
194	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
193	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
192	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
191	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
190	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
189	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
188	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
187	Assessment of the soil water content in the Pampas region using SWAT. <i>Catena</i> , 2016 , 137, 298-309	5.8	35
186	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
185	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
184	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

183	Economics of Land Degradation and Improvement in Bhutan 2016 , 327-383		1
182	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
181	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
180	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
179	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
178	Delineating floodplain and upland areas for hydrologic models: a comparison of methods. <i>Hydrological Processes</i> , 2016 , 30, 4367	3.3	12
177	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
176	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
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