

# Raghavan Srinivasan

## List of Publications by Year in descending order

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308  
papers

30,274  
citations

13078

68  
h-index

5871

162  
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351  
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351  
docs citations

351  
times ranked

16990  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impacts of Ongoing Land-Use Change on Watershed Hydrology and Crop Production Using an Improved SWAT Model. <i>Land</i> , 2023, 12, 591.	3.0	2
2	Predicting Optical Water Quality Indicators from Remote Sensing Using Machine Learning Algorithms in Tropical Highlands of Ethiopia. <i>Hydrology</i> , 2023, 10, 110.	3.0	17
3	Adaptation of SWAT Watershed Model for Stormwater Management in Urban Catchments: Case Study in Austin, Texas. <i>Water (Switzerland)</i> , 2023, 15, 1770.	2.8	4
4	Assessment of the Impact of Climate Change on Streamflow and Sediment in the Nagavali and Vamsadhara Watersheds in India. <i>Applied Sciences (Switzerland)</i> , 2023, 13, 7554.	2.6	5
5	Spatial Distribution of Nutrient Loads Based on Mineral Fertilizers Applied to Crops: Case Study of the Lobo Basin in CÔte d'Ivoire (West Africa). <i>Applied Sciences (Switzerland)</i> , 2023, 13, 9437.	2.6	0
6	Land Use and Land Cover Trends and Their Impact on Streamflow and Sediment Yield in a Humid Basin of Brazil's Atlantic Forest Biome. <i>Diversity</i> , 2023, 15, 1220.	1.7	2
7	Calibration of SWAT model in the Pernambuco state watersheds to support the SUPer system. <i>Revista Brasileira De Geografia Fisica</i> , 2023, 16, 3572-3592.	0.2	2
8	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> , 2022, 58, 1175-1188.	2.4	7
9	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.	5.7	20
10	Identification of suitable areas for fodder production in Ethiopia. <i>Catena</i> , 2022, 213, 106154.	5.1	6
11	Impacts of climate change on water management. <i>Applied Economic Perspectives and Policy</i> , 2022, 44, 1448-1464.	5.4	3
12	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.	8.2	4
13	Evaluation of NCEP-GFS-based Rainfall forecasts over the Nagavali and Vamsadhara basins in India. <i>Atmospheric Research</i> , 2022, 278, 106326.	4.3	2
14	A Coupled SWAT-AEM Modelling Framework for a Comprehensive Hydrologic Assessment. <i>Water (Switzerland)</i> , 2022, 14, 2753.	2.8	1
15	Streamflow and Sediment Yield Analysis of Two Medium-Sized East-Flowing River Basins of India. <i>Water (Switzerland)</i> , 2022, 14, 2960.	2.8	5
16	Holistic Sustainability Assessment of Riparian Buffer Designs: Evaluation of Alternative Buffer Policy Scenarios Integrating Stream Water Quality and Costs. <i>Sustainability</i> , 2022, 14, 12278.	3.3	3
17	Developing a Combined Drought Index to Monitor Agricultural Drought in Sri Lanka. <i>Water (Switzerland)</i> , 2022, 14, 3317.	2.8	1
18	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.	6.8	18

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19	Climate change impact assessment on water resources under <scp>RCP</scp> scenarios: A case study in MundaÃ River Basin, Northeastern Brazil. International Journal of Climatology, 2021, 41, E1045.	3.5	35
20	Introducing a new post-processing tool for the SWAT+ model to evaluate environmental flows. Environmental Modelling and Software, 2021, 136, 104944.	4.6	18
21	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. Agricultural Systems, 2021, 186, 102987.	6.2	21
22	Simulating the effects of agricultural production practices on water conservation and crop yields using an improved SWAT model in the Texas High Plains, USA. Agricultural Water Management, 2021, 244, 106574.	5.7	26
23	Effect of Watershed Delineation and Climate Datasets Density on Runoff Predictions for the Upper Mississippi River Basin Using SWAT within HAWQS. Water (Switzerland), 2021, 13, 422.	2.8	9
24	Long-term and event-scale sub-daily streamflow and sediment simulation in a small forested catchment. Hydrological Sciences Journal, 2021, 66, 862-873.	2.7	6
25	Water budget fluxes in catchments under grassland and <i>Eucalyptus</i> plantations of different ages. Canadian Journal of Forest Research, 2021, 51, 513-523.	1.8	18
26	Evaluation of gridded meteorological datasets and their potential hydrological application to a humid area with scarce data for Pirapama River basin, northeastern Brazil. Theoretical and Applied Climatology, 2021, 145, 393-410.	2.8	10
27	Robust climate change adaptation pathways in agricultural water management. Agricultural Water Management, 2021, 252, 106904.	5.7	23
28	Impacts of swat weather generator statistics from high-resolution datasets on monthly streamflow simulation over Peninsular Spain. Journal of Hydrology: Regional Studies, 2021, 35, 100826.	2.5	11
29	Multi-Step Calibration Approach for SWAT Model Using Soil Moisture and Crop Yields in a Small Agricultural Catchment. Water (Switzerland), 2021, 13, 2238.	2.8	24
30	Constraints of small-scale irrigated fodder production and nutrition assessment for livestock feed, a case study in Ethiopia. Agricultural Water Management, 2021, 254, 106973.	5.7	4
31	Afforestation of degraded grasslands reduces sediment transport and may contribute to streamflow regulation in small catchments in the short-run. Catena, 2021, 204, 105371.	5.1	19
32	Rainfall partitioning in young clonal plantations Eucalyptus species in a subtropical environment, and implications for water and forest management. International Soil and Water Conservation Research, 2021, 9, 474-484.	6.8	16
33	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. Remote Sensing, 2021, 13, 3806.	4.1	6
34	Assessing basin blueâ€“green available water components under different management and climate scenarios using SWAT. Agricultural Water Management, 2021, 256, 107074.	5.7	32
35	Eucalyptus tree stockings effect on water balance and use efficiency in subtropical sandy soil. Forest Ecology and Management, 2021, 497, 119473.	3.3	26
36	Modeling climate change impacts on blue, green, and grey water footprints and crop yields in the Texas High Plains, USA. Agricultural and Forest Meteorology, 2021, 310, 108649.	4.8	18

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37	Implementation of the Semi-Distributed SWAT (Soil and Water Assessment Tool) Model Capacity in the Lobo Watershed at Nib&#233;hib&#233; (Center-West of C&#244;te Dâ€™Ivoire). <i>Journal of Geoscience and Environment Protection</i> , 2021, 09, 21-38.	0.5	0
38	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.	3.7	0
39	Sensitivity of Riparian Buffer Designs to Climate Changeâ€™ Nutrient and Sediment Loading to Streams: A Case Study in the Albemarle-Pamlico River Basins (USA) Using HAWQS. <i>Sustainability</i> , 2021, 13, 12380.	3.3	13
40	Flow Simulation and Storage Assessment in an Ungauged Irrigation Tank Cascade System Using the SWAT Model. <i>Sustainability</i> , 2021, 13, 13158.	3.3	6
41	Studying Onset and Evolution of Agricultural Drought in Mekong River Basin through Hydrologic Modeling. <i>Water (Switzerland)</i> , 2021, 13, 3622.	2.8	3
42	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.	2.5	14
43	Development of reservoir operation functions in SWAT+ for national environmental assessments. <i>Journal of Hydrology</i> , 2020, 583, 124556.	5.6	54
44	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.	4.1	18
45	User-friendly workflows for catchment modelling: Towards reproducible SWAT+ model studies. <i>Environmental Modelling and Software</i> , 2020, 134, 104812.	4.6	20
46	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.	8.2	45
47	SWAT ungauged: Water quality modeling in the Upper Mississippi River Basin. <i>Journal of Hydrology</i> , 2020, 584, 124601.	5.6	41
48	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.	8.2	49
49	Farm-Scale Biofuel Crop Adoption and Its Effects on In-Basin Water Balance. <i>Sustainability</i> , 2020, 12, 10596.	3.3	6
50	Spatio-temporal critical source area patterns of runoff pollution from agricultural practices in the Colombian Andes. <i>Ecological Engineering</i> , 2020, 149, 105810.	3.7	11
51	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.	4.2	43
52	Optimization of SWAT-Paddy for modeling hydrology and diffuse pollution of large rice paddy fields. <i>Environmental Modelling and Software</i> , 2020, 130, 104736.	4.6	18
53	Evaluation of Grid-Based Rainfall Products and Water Balances over the Mekong River Basin. <i>Remote Sensing</i> , 2020, 12, 1858.	4.1	23
54	Watershed scale evaluation of an improved SWAT auto-irrigation function. <i>Environmental Modelling and Software</i> , 2020, 131, 104789.	4.6	13

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55	Basin-wide water accounting based on modified SWAT model and WA+ framework for better policy making. <i>Journal of Hydrology</i> , 2020, 585, 124762.	5.6	33
56	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.	8.2	27
57	Mapping Land Use Land Cover Change in the Lower Mekong Basin From 1997 to 2010. <i>Frontiers in Environmental Science</i> , 2020, 8, .	3.3	47
58	Hydrological simulation of a small forested catchment under different land use and forest management. <i>IForest</i> , 2020, 13, 301-308.	1.4	2
59	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.	4.6	31
60	Simulating sub-daily hydrological process with SWAT: a review. <i>Hydrological Sciences Journal</i> , 2019, 64, 1415-1423.	2.7	38
61	Effect and side-effect assessment of different agricultural water saving measures in an integrated framework. <i>Agricultural Water Management</i> , 2019, 223, 105685.	5.7	24
62	Global soil, landuse, evapotranspiration, historical and future weather databases for SWAT Applications. <i>Scientific Data</i> , 2019, 6, 263.	5.4	74
63	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.	3.1	39
64	IPEAT+: A Built-In Optimization and Automatic Calibration Tool of SWAT+. <i>Water (Switzerland)</i> , 2019, 11, 1681.	2.8	36
65	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.	5.7	15
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.	3.7	7
67	Dividends in flow prediction improvement using high-resolution soil database. <i>Journal of Hydrology: Regional Studies</i> , 2019, 21, 159-175.	2.5	9
68	Evaluating Hydrological Models for Deriving Water Resources in Peninsular Spain. <i>Sustainability</i> , 2019, 11, 2872.	3.3	47
69	Numerical and conceptual evaluation of preferential flow in Zarqa River Basin, Jordan. <i>Ecohydrology and Hydrobiology</i> , 2019, 19, 224-237.	2.4	10
70	Identification of Critical Intersection Angle through Crash Modification Functions. <i>Transportation Research Record</i> , 2019, 2673, 531-543.	1.8	4
71	A Review of SWAT Studies in Southeast Asia: Applications, Challenges and Future Directions. <i>Water (Switzerland)</i> , 2019, 11, 914.	2.8	96
72	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.	2.2	22

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73	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.	3.7	54
74	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.	5.7	50
75	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, 619-641.	2.1	37
76	Assessing Soil and Water Assessment Tool Plant Stress Algorithms Using Full and Deficit Irrigation Treatments. <i>Agronomy Journal</i> , 2019, 111, 1266-1280.	1.9	7
77	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.	4.6	15
78	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.	2.4	13
79	Impact of the Grand Ethiopian Renaissance Dam (GERD) and climate change on water availability in Sudan. , 2019, , 137-149.		2
80	Evaluation of Satellite-Based Rainfall Estimates in the Lower Mekong River Basin (Southeast Asia). <i>Remote Sensing</i> , 2019, 11, 2709.	4.1	30
81	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.	4.6	20
82	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.	2.4	23
83	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.	7.9	42
84	Soil moisture and discharge modeling in a representative watershed in northeastern Brazil using SWAT. <i>Ecohydrology and Hydrobiology</i> , 2019, 19, 238-251.	2.4	26
85	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.	1.0	23
86	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.	0.3	3
87	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.	2.4	31
88	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.	1.5	9
89	Climate change impact analysis on watershed using QSWAT. <i>Spatial Information Research</i> , 2018, 26, 253-259.	2.1	15
90	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.	4.0	50

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91	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.	3.2	20
92	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.	5.6	65
93	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.	2.5	73
94	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.	4.6	55
95	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.	8.2	51
96	Integrating multimedia models to assess nitrogen losses from the Mississippi River basin to the Gulf of Mexico. <i>Biogeosciences</i> , 2018, 15, 7059-7076.	3.4	28
97	Ground and satellite based observation datasets for the Lower Mekong River Basin. <i>Data in Brief</i> , 2018, 21, 2020-2027.	1.1	30
98	LAND-USE CHANGE IMPACTS ON THE HYDROLOGY OF THE UPPER GRANDE RIVER BASIN, BRAZIL. <i>Cerne</i> , 2018, 24, 334-343.	0.9	22
99	Crash Modification Factors for the Flashing Yellow Arrow Treatment at Signalized Intersections. <i>Transportation Research Record</i> , 2018, 2672, 142-152.	1.8	5
100	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.	4.1	19
101	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.	5.0	24
102	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.	3.0	18
103	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.	2.8	26
104	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.	2.5	45
105	DRY FOREST DEFORESTATION DYNAMICS IN BRAZIL'S PONTAL BASIN. <i>Revista Caatinga</i> , 2018, 31, 385-395.	0.7	8
106	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.	2.8	7
107	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.	5.0	40
108	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	9



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109	Satellite observations and modeling to understand the Lower Mekong River Basin streamflow variability. <i>Journal of Hydrology</i> , 2018, 564, 559-573.	5.6	63
110	Beforeâ€“After Evaluation of the Realignment of Horizontal Curves on Rural Two-Lane Roads. <i>Transportation Research Record</i> , 2018, 2672, 43-52.	1.8	5
111	Improved Hydrological Decision Support System for the Lower Mekong River Basin Using Satellite-Based Earth Observations. <i>Remote Sensing</i> , 2018, 10, 885.	4.1	61
112	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.	3.3	28
113	Multi-Dimensional Evaluation of Simulated Small-Scale Irrigation Intervention: A Case Study in Dimbasinia Watershed, Ghana. <i>Sustainability</i> , 2018, 10, 1531.	3.3	15
114	A Guideline for Successful Calibration and Uncertainty Analysis for Soil and Water Assessment: A Review of Papers from the 2016 International SWAT Conference. <i>Water (Switzerland)</i> , 2018, 10, 6.	2.8	271
115	Use of Decision Tables to Simulate Management in SWAT+. <i>Water (Switzerland)</i> , 2018, 10, 713.	2.8	54
116	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.	3.7	29
117	Assessment of Suitable Areas for Home Gardens for Irrigation Potential, Water Availability, and Water-Lifting Technologies. <i>Water (Switzerland)</i> , 2018, 10, 495.	2.8	30
118	Glacier mass balance simulation using SWAT distributed snow algorithm. <i>Hydrological Sciences Journal</i> , 2017, 62, 546-560.	2.7	28
119	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.	5.6	48
120	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.	5.1	87
121	Hydrological modelling of the Vistula and Odra river basins using SWAT. <i>Hydrological Sciences Journal</i> , 2017, 62, 1266-1289.	2.7	47
122	Introduction to <sc>SWAT</sc>+, A Completely Restructured Version of the Soil and Water Assessment Tool. <i>Journal of the American Water Resources Association</i> , 2017, 53, 115-130.	2.4	253
123	Assessing potential land suitable for surface irrigation using groundwater in Ethiopia. <i>Applied Geography</i> , 2017, 85, 1-13.	3.8	115
124	Implications of Conceptual Channel Representation on <sc>SWAT</sc> Streamflow and Sediment Modeling. <i>Journal of the American Water Resources Association</i> , 2017, 53, 725-747.	2.4	14
125	Development and Testing of a Physically Based Model of Streambank Erosion for Coupling with a Basinâ€“Scale Hydrologic Model <sc>SWAT</sc>. <i>Journal of the American Water Resources Association</i> , 2017, 53, 344-364.	2.4	20
126	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.	8.2	7



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127	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.	1.8	20
128	Spatial and temporal patterns of precipitation and stream flow variations in Tigris-Euphrates river basin. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 50.	2.7	18
129	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.	2.4	6
130	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.	5.7	25
131	Data for WEF Nexus Analysis: a Review of Issues. <i>Current Sustainable/Renewable Energy Reports</i> , 2017, 4, 137-143.	2.6	23
132	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.	2.4	47
133	Evaluation of new farming technologies in Ethiopia using the Integrated Decision Support System (IDSS). <i>Agricultural Water Management</i> , 2017, 180, 267-279.	5.7	34
134	Assessment of the denitrification process in alluvial wetlands at floodplain scale using the SWAT model. <i>Ecological Engineering</i> , 2017, 103, 344-358.	3.7	15
135	The NSF REU/RET Research on Energy Absorbing 3D Printed Polymer Structures. , 2017, , .		0
136	Hydrological Modeling of Highly Glacierized Basins (Andes, Alps, and Central Asia). <i>Water (Switzerland)</i> , 2017, 9, 111.	2.8	22
137	Climate Change Impacts on US Water Quality Using Two Models: HAWQS and US Basins. <i>Water (Switzerland)</i> , 2017, 9, 118.	2.8	37
138	Effect of Climate Change on Hydrology, Sediment and Nutrient Losses in Two Lowland Catchments in Poland. <i>Water (Switzerland)</i> , 2017, 9, 156.	2.8	38
139	Modeling Crop Water Productivity Using a Coupled SWATâ€™MODSIM Model. <i>Water (Switzerland)</i> , 2017, 9, 157.	2.8	36
140	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.	2.8	50
141	Evaluating Various Low-Impact Development Scenarios for Optimal Design Criteria Development. <i>Water (Switzerland)</i> , 2017, 9, 270.	2.8	20
142	Using Modeling Tools to Better Understand Permafrost Hydrology. <i>Water (Switzerland)</i> , 2017, 9, 418.	2.8	21
143	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.	2.8	35
144	Modeling the Dispersion of E. coli in Waterbodies Due to Urban Sources: A Spatial Approach. <i>Water (Switzerland)</i> , 2017, 9, 665.	2.8	3

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145	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	21
146	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, 5005-5023.	3.5	89
147	Development of Crash Modification Factors for Uncontrolled Pedestrian Crossing Treatments. <i>Transportation Research Record</i> , 2017, 2636, 1-8.	1.8	26
148	Application of Large-Scale, Multi-Resolution Watershed Modeling Framework Using the Hydrologic and Water Quality System (HAWQS). <i>Water (Switzerland)</i> , 2016, 8, 164.	2.8	40
149	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.	2.4	32
150	Accuracy of grid precipitation data for Brazil: application in river discharge modelling of the Tocantins catchment. <i>Hydrological Processes</i> , 2016, 30, 1419-1430.	2.6	44
151	Delineating floodplain and upland areas for hydrologic models: a comparison of methods. <i>Hydrological Processes</i> , 2016, 30, 4367-4383.	2.6	19
152	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.	8.2	46
153	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.	2.4	17
154	Introducing a new open source GIS user interface for the SWAT model. <i>Environmental Modelling and Software</i> , 2016, 85, 129-138.	4.6	162
155	Estimation of Calibration Functions for Predicting Crashes on Rural Two-Lane Roads in Arizona. <i>Transportation Research Record</i> , 2016, 2583, 17-24.	1.8	35
156	Improved simulation of river water and groundwater exchange in an alluvial plain using the SWAT model. <i>Hydrological Processes</i> , 2016, 30, 187-202.	2.6	54
157	Modelling the effect of riparian vegetation restoration on sediment transport in a human-impacted Brazilian catchment. <i>Ecohydrology</i> , 2016, 9, 1289-1303.	2.4	30
158	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.	2.4	28
159	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.	5.7	77
160	Assessment of the soil water content in the Pampas region using SWAT. <i>Catena</i> , 2016, 137, 298-309.	5.1	47
161	Using the Soil and Water Assessment Tool (SWAT) to model ecosystem services: A systematic review. <i>Journal of Hydrology</i> , 2016, 535, 625-636.	5.6	256
162	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.	8.2	77

#	ARTICLE	IF	CITATIONS
163	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.	3.6	17
164	Economics of Land Degradation and Improvement in Bhutan. , 2016, , 327-383.		2
165	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.	2.4	50
166	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.	0.2	3
167	Impact of model development, calibration and validation decisions on hydrological simulations in West Lake Erie Basin. <i>Hydrological Processes</i> , 2015, 29, 5307-5320.	2.6	119
168	Modeling Water-Quality Loads to the Reservoirs of the Upper Trinity River Basin, Texas, USA. <i>Water (Switzerland)</i> , 2015, 7, 5689-5704.	2.8	7
169	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.	2.8	19
170	Assessment of climate and land use change impacts with SWAT. <i>Regional Environmental Change</i> , 2015, 15, 431-434.	2.9	64
171	A refined regional modeling approach for the Corn Belt â€œ Experiences and recommendations for large-scale integrated modeling. <i>Journal of Hydrology</i> , 2015, 524, 348-366.	5.6	49
172	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.	5.6	75
173	Functional Approach to Simulating Short-Rotation Woody Crops in Process-Based Models. <i>Bioenergy Research</i> , 2015, 8, 1598-1613.	3.8	20
174	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.	5.6	1,233
175	A model integration framework for linking SWAT and MODFLOW. <i>Environmental Modelling and Software</i> , 2015, 73, 103-116.	4.6	126
176	Setting up a hydrological model of Alberta: Data discrimination analyses prior to calibration. <i>Environmental Modelling and Software</i> , 2015, 74, 48-65.	4.6	74
177	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.	5.6	129
178	Projected Hydrologic Changes Under Mid-21st Century Climatic Conditions in a Sub-arctic Watershed. <i>Water Resources Management</i> , 2015, 29, 1467-1487.	4.0	18
179	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.	2.9	61
180	Forecasting changes in water quality in rivers associated with growing biofuels in the Arkansasâ€œWhiteâ€œRed river drainage, <sc>USA</sc>. <i>GCB Bioenergy</i> , 2015, 7, 774-784.	5.7	24

#	ARTICLE	IF	CITATIONS
181	Cost of areal reduction of gulf hypoxia through agricultural practice. <i>Science of the Total Environment</i> , 2015, 505, 149-153.	8.2	15
182	Modeling environmental services in rivers at catchment scale. <i>Annales De Limnologie</i> , 2015, 51, A1-A2.	0.6	1
183	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	6
184	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.	2.9	31
185	LUMINATE: linking agricultural land use, local water quality and Gulf of Mexico hypoxia. <i>European Review of Agricultural Economics</i> , 2014, 41, 431-459.	3.1	42
186	Hydrologic Modeling of a Retention Irrigation System. <i>Journal of Hydrologic Engineering - ASCE</i> , 2014, 19, 1036-1041.	2.2	3
187	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.	1.6	37
188	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.	2.6	139
189	Climate change impact on countrywide water balance in Bolivia. <i>Regional Environmental Change</i> , 2014, 14, 727-742.	2.9	23
190	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.	2.4	284
191	Water resources of the Black Sea Basin at high spatial and temporal resolution. <i>Water Resources Research</i> , 2014, 50, 5866-5885.	4.2	65
192	Application date as a controlling factor of pesticide transfers to surface water during runoff events. <i>Catena</i> , 2014, 119, 97-103.	5.1	45
193	Applications of the SWAT Model Special Section: Overview and Insights. <i>Journal of Environmental Quality</i> , 2014, 43, 1-8.	2.9	424
194	Modeling impacts of climate change on freshwater availability in Africa. <i>Journal of Hydrology</i> , 2013, 480, 85-101.	5.6	203
195	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.	4.2	37
196	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, 810-822.	8.2	66
197	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.	4.6	79
198	Texture development during deformation processing of the n-type bismuth telluride alloy Bi <sub>2</sub> Se <sub>0.3</sub> Te <sub>2.7</sub> . <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 588, 376-387.	5.6	12

#	ARTICLE	IF	CITATIONS
199	Safety effectiveness of converting signalized intersections to roundabouts. Accident Analysis and Prevention, 2013, 50, 234-241.	5.8	81
200	Reservoir volumetric and sedimentation survey data: A necessary tool for evaluating historic sediment flux and appropriate mitigation response. Lakes and Reservoirs: Research and Management, 2013, 18, 275-283.	0.9	10
201	Simulating sediment loading into the major reservoirs in Trinity River Basin. Journal of Soils and Water Conservation, 2013, 68, 372-383.	1.6	5
202	Analysis of the Frequency and Severity of Rear-End Crashes in Work Zones. Traffic Injury Prevention, 2013, 14, 61-72.	1.5	55
203	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. Journal of Soils and Water Conservation, 2013, 68, 155-171.	1.6	60
204	Modeling Sedimentation-Filtration Basins for Urban Watersheds Using Soil and Water Assessment Tool. Journal of Environmental Engineering, ASCE, 2013, 139, 838-848.	1.3	23
205	Safety Evaluation of Converting Traffic Signals from Incandescent to LED Bulbs. Transportation Research Record, 2013, 2398, 9-18.	1.8	2
206	Safety Evaluation of Discontinuing Late Nighttime Flash Operations at Signalized Intersections. Transportation Research Record, 2013, 2398, 1-8.	1.8	2
207	Behavioral Neurology in the ICU. , 2013, , 49-96.		1
208	SWAT: Model Use, Calibration, and Validation. Transactions of the ASABE, 2012, 55, 1491-1508.	1.3	2,059
209	Crash Modification Factors. Transportation Research Record, 2012, 2279, 67-74.	1.8	31
210	Crash Modification Factors for Changes to Left-Turn Phasing. Transportation Research Record, 2012, 2279, 108-117.	1.8	25
211	Evaluation of Rectangular Rapid Flash Beacon at Pinellas Trail Crossing in Saint Petersburg, Florida. Transportation Research Record, 2012, 2314, 7-13.	1.8	17
212	Field_SWAT: A tool for mapping SWAT output to field boundaries. Computers and Geosciences, 2012, 40, 175-184.	4.3	24
213	A parallelization framework for calibration of hydrological models. Environmental Modelling and Software, 2012, 31, 28-36.	4.6	136
214	Estimating Potential <i>E. coli</i> Sources in a Watershed Using Spatially Explicit Modeling Techniques <sup>1</sup> . Journal of the American Water Resources Association, 2012, 48, 745-761.	2.4	14
215	Contacts between domestic livestock and wildlife at the Kruger National Park Interface of the Republic of South Africa. Preventive Veterinary Medicine, 2012, 103, 16-21.	1.9	39
216	Impact of climate change on the hydroclimatology of Lake Tana Basin, Ethiopia. Water Resources Research, 2011, 47, .	4.2	197

#	ARTICLE	IF	CITATIONS
217	Sediment management modelling in the Blue Nile Basin using SWAT model. Hydrology and Earth System Sciences, 2011, 15, 807-818.	5.0	319
218	Hydrologic Evaluation of a Mediterranean Watershed Using the SWAT Model with Multiple PET Estimation Methods. Transactions of the ASABE, 2011, 54, 1615-1625.	1.3	23
219	Separation of Safety Effects of Multiple Improvements by Alternate Empirical Bayes Methods. Transportation Research Record, 2011, 2236, 27-40.	1.8	0
220	Use of Empirical Bayesian Methods to Estimate Crash Modification Factors for Daytime versus Nighttime Work Zones. Transportation Research Record, 2011, 2241, 29-38.	1.8	15
221	Sleeve resection for mucoepidermoid carcinoma arising from right bronchus—a case report. Indian Journal of Thoracic and Cardiovascular Surgery, 2011, 27, 134-137.	0.6	0
222	Hydrologic Modeling of a Canal-Irrigated Agricultural Watershed with Irrigation Best Management Practices: Case Study. Journal of Hydrologic Engineering - ASCE, 2011, 16, 746-757.	2.2	32
223	Comparison of Process-Based and Temperature-Index Snowmelt Modeling in SWAT. Water Resources Management, 2010, 24, 1065-1088.	4.0	118
224	Simulation of Agricultural Management Alternatives for Watershed Protection. Water Resources Management, 2010, 24, 3115-3144.	4.0	127
225	Development and Integration of Sub-hourly Rainfall—Runoff Modeling Capability Within a Watershed Model. Water Resources Management, 2010, 24, 4505-4527.	4.0	129
226	Assessing BMP effectiveness: multiprocedure analysis of observed water quality data. Environmental Monitoring and Assessment, 2010, 170, 315-329.	2.7	16
227	Improvement in thermoelectric properties of an n-type bismuth telluride (Bi <sub>2</sub> Se <sub>0.3</sub> Te <sub>2.7</sub> ) due to texture development and grain refinement during hot deformation. Materials Letters, 2010, 64, 1772-1775.	2.7	17
228	Influence of trace boron addition on the directional solidification characteristics of Ti—6Al—4V. Scripta Materialia, 2010, 63, 1244-1247.	5.3	17
229	On the use of multi—algorithm, genetically adaptive multi—objective method for multi—site calibration of the SWAT model. Hydrological Processes, 2010, 24, 955-969.	2.6	107
230	GIS-based spatial precipitation estimation using next generation radar and raingauge data. Environmental Modelling and Software, 2010, 25, 1781-1788.	4.6	34
231	Spatially Explicit Load Enrichment Calculation Tool to Identify Potential E. coli Sources in Watersheds. Transactions of the ASABE, 2009, 52, 1109-1120.	1.3	18
232	Calibration and uncertainty analysis of the SWAT model using Genetic Algorithms and Bayesian Model Averaging. Journal of Hydrology, 2009, 374, 307-317.	5.6	191
233	Temporal-spatial dynamics of vegetation variation on non-point source nutrient pollution. Ecological Modelling, 2009, 220, 2702-2713.	2.5	47
234	Evaluation of global optimization algorithms for parameter calibration of a computationally intensive hydrologic model. Hydrological Processes, 2009, 23, 430-441.	2.6	135



#	ARTICLE	IF	CITATIONS
235	Environmental risk factors for equine West Nile virus disease cases in Texas. Veterinary Research Communications, 2009, 33, 461-471.	1.6	11
236	Hourly Analyses of Hydrological and Water Quality Simulations Using the ESWAT Model. Water Resources Management, 2009, 23, 303-324.	4.0	18
237	Rolling of Plates and Sheets from As-Cast Ti-6Al-4V-0.1B. Journal of Materials Engineering and Performance, 2009, 18, 390-398.	2.4	31
238	Approximating SWAT Model Using Artificial Neural Network and Support Vector Machine. Journal of the American Water Resources Association, 2009, 45, 460-474.	2.4	114
239	GIS-Based Spatial Precipitation Estimation: A Comparison of Geostatistical Approaches. Journal of the American Water Resources Association, 2009, 45, 894-906.	2.4	87
240	Estimating uncertainty of streamflow simulation using Bayesian neural networks. Water Resources Research, 2009, 45, .	4.2	70
241	Direct rolling of as-cast Ti-6Al-4V modified with trace additions of boron. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 487, 541-551.	5.6	66
242	Comparative analyses of East Texas forest cover maps generated from Landsat and AVHRR data. Geo Journal, 2008, 71, 211-220.	3.0	2
243	A geostatistical method for Texas NexRad data calibration. Environmetrics, 2008, 19, 1-19.	1.5	15
244	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. Environmental Modeling and Assessment, 2008, 13, 135-153.	2.2	116
245	Runoff Simulation of the Headwaters of the Yellow River Using The SWAT Model With Three Snowmelt Algorithms. Journal of the American Water Resources Association, 2008, 44, 48-61.	2.4	138
246	Estimation of freshwater availability in the West African sub-continent using the SWAT hydrologic model. Journal of Hydrology, 2008, 352, 30-49.	5.6	298
247	Modeling blue and green water availability in Africa. Water Resources Research, 2008, 44, .	4.2	292
248	Fit-for-purpose analysis of uncertainty using split-sampling evaluations. Hydrological Sciences Journal, 2008, 53, 1090-1103.	2.7	43
249	Safety Effectiveness of Selected Treatments at Urban Signalized Intersections. Transportation Research Record, 2008, 2056, 70-76.	1.8	25
250	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. Journal of Soils and Water Conservation, 2008, 63, 105-111.	1.6	59
251	Rainfall and Temperature Distinguish Between Karnal Bunt Positive and Negative Years in Wheat Fields in Texas. Phytopathology, 2008, 98, 95-100.	2.3	18
252	Safety Evaluation of Flashing Beacons at Stop-Controlled Intersections. Transportation Research Record, 2008, 2056, 77-86.	1.8	1



#	ARTICLE	IF	CITATIONS
253	Modelling hydrology and water quality in the pre-alpine/alpine Thur watershed using SWAT. Journal of Hydrology, 2007, 333, 413-430.	5.6	1,574
254	Estimating regional forest cover in East Texas using Advanced Very High Resolution Radiometer (AVHRR) data. International Journal of Applied Earth Observation and Geoinformation, 2007, 9, 41-49.	1.2	11
255	Simulated Crop Yields Response to Irrigation Water and Economic Analysis: Increasing Irrigated Water Use Efficiency in the Indian Punjab. Agronomy Journal, 2007, 99, 1073-1084.	1.9	21
256	Evaluation of Three Watershedâ€Scale Pesticide Environmental Transport and Fate Models<sup>1</sup>. Journal of the American Water Resources Association, 2007, 43, 1424-1443.	2.4	38
257	Accuracy evaluation of weather data generation and disaggregation methods at finer timescales. Advances in Water Resources, 2007, 30, 1286-1300.	3.8	47
258	Surveying Ground Water Level Using Remote Sensing: An Example over the Seco and Hondo Creek Watershed in Texas. Ground Water Monitoring and Remediation, 2006, 26, 94-102.	1.2	3
259	Estimation of managed loblolly pine stand age and density with Landsat ETM+ data. Forest Ecology and Management, 2006, 223, 247-254.	3.3	47
260	A global sensitivity analysis tool for the parameters of multi-variable catchment models. Journal of Hydrology, 2006, 324, 10-23.	5.6	1,005
261	Environmental and ecological hydroinformatics to support the implementation of the European Water Framework Directive for river basin management. Journal of Hydroinformatics, 2006, 8, 239-252.	2.4	23
262	Assessment of Regional Site-Specific Sorghum Ergot Severity Potential Using Radar-Rainfall Measurement. Plant Disease, 2006, 90, 704-707.	1.5	8
263	ARCGIS-SWAT: A GEODATA MODEL AND GIS INTERFACE FOR SWAT. Journal of the American Water Resources Association, 2006, 42, 295-309.	2.4	148
264	GROUPWISE MODELING STUDY OF BACTERIALLY IMPAIRED WATERSHEDS IN TEXAS: CLUSTERING ANALYSIS. Journal of the American Water Resources Association, 2006, 42, 1017-1031.	2.4	11
265	A modeling approach to evaluate the impacts of water quality management plans implemented in a watershed in Texas. Environmental Modelling and Software, 2006, 21, 1141-1157.	4.6	252
266	Potential of Radar-Estimated Rainfall for Plant Disease Risk Forecast. Phytopathology, 2005, 95, 25-27.	2.3	15
267	Effect of GIS data quality on small watershed stream flow and sediment simulations. Hydrological Processes, 2005, 19, 629-650.	2.6	97
268	Return-flow assessment for irrigation command in the Palleru river basin using SWAT model. Hydrological Processes, 2005, 19, 673-682.	2.6	92
269	Advances in the application of the SWAT model for water resources management. Hydrological Processes, 2005, 19, 749-762.	2.6	257
270	ESTIMATION OF LONG-TERM SOIL MOISTURE USING A DISTRIBUTED PARAMETER HYDROLOGIC MODEL AND VERIFICATION USING REMOTELY SENSED DATA. Transactions of the American Society of Agricultural Engineers, 2005, 48, 1101-1113.	0.5	62

#	ARTICLE	IF	CITATIONS
271	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, 8848-8858.	5.3	25
272	Estimating regional forest cover in East Texas using Enhanced Thematic Mapper (ETM+) data. <i>Forest Ecology and Management</i> , 2005, 218, 342-352.	3.3	20
273	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.	4.8	624
274	Climate Change Impacts for the Conterminous USA: An Integrated Assessment. , 2005, , 67-88.		7
275	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.	2.3	130
276	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.	2.2	20
277	Comparison of raingage and WSR-88D Stage III precipitation data over the Texas-Gulf basin. <i>Journal of Hydrology</i> , 2004, 292, 135-152.	5.6	73
278	SIMULATED IMPACTS OF EL NINO/SOUTHERN OSCILLATION ON UNITED STATES WATER RESOURCES. <i>Journal of the American Water Resources Association</i> , 2003, 39, 137-148.	2.4	26
279	Spatial evaluation of alternative nonpoint nutrient regulatory instruments. <i>Water Resources Research</i> , 2003, 39, .	4.2	17
280	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, .	3.3	8
281	Evaluating different NDVI composite techniques using NOAA-14 AVHRR data. <i>International Journal of Remote Sensing</i> , 2003, 24, 3403-3412.	3.0	44
282	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.	3.0	63
283	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.	1.9	81
284	Assessment of NDVI Composites Using Merged NOAA-14 and NOAA-15 AVHRR Data. <i>Annals of GIS</i> , 2002, 8, 31-38.	3.0	0
285	SUBWATERSHED SPATIAL ANALYSIS TOOL: DISCRETIZATION OF A DISTRIBUTED HYDROLOGIC MODEL BY STATISTICAL CRITERIA. <i>Journal of the American Water Resources Association</i> , 2002, 38, 1723-1733.	2.4	27
286	INTEGRATION OF WATERSHED TOOLS AND SWAT MODEL INTO BASINS. <i>Journal of the American Water Resources Association</i> , 2002, 38, 1127-1141.	2.4	140
287	VALIDATION OF THE SWAT MODEL ON A LARGE RWER BASIN WITH POINT AND NONPOINT SOURCES. <i>Journal of the American Water Resources Association</i> , 2001, 37, 1169-1188.	2.4	1,185
288	Assessing regional impacts of change: linking economic and environmental models. <i>Agricultural Systems</i> , 2000, 63, 147-159.	6.2	21

#	ARTICLE	IF	CITATIONS
289	Regional estimation of base flow and groundwater recharge in the Upper Mississippi river basin. Journal of Hydrology, 2000, 227, 21-40.	5.6	377
290	CONTINENTAL SCALE SIMULATION OF THE HYDROLOGIC BALANCE. Journal of the American Water Resources Association, 1999, 35, 1037-1051.	2.4	203
291	Possible Impacts of Global Warming on the Hydrology of the Ogallala Aquifer Region. Climatic Change, 1999, 42, 677-692.	3.7	157
292	Modeled effects of moderate and strong 'Los Niños' on crop productivity in North America. Agricultural and Forest Meteorology, 1999, 94, 259-268.	4.8	32
293	LARGE AREA HYDROLOGIC MODELING AND ASSESSMENT PART I: MODEL DEVELOPMENT. Journal of the American Water Resources Association, 1998, 34, 73-89.	2.4	6,168
294	LARGE AREA HYDROLOGIC MODELING AND ASSESSMENT PART II: MODEL APPLICATION. Journal of the American Water Resources Association, 1998, 34, 91-101.	2.4	374
295	Hydrologic Modelling of the United States with the Soil and Water Assessment Tool. International Journal of Water Resources Development, 1998, 14, 315-325.	2.2	79
296	Distribution of Field Bindweed and Hedge Bindweed in the USA. Journal of Production Agriculture, 1998, 11, 377-381.	0.3	14
297	A Continuous Catchment-Scale Erosion Model. , 1998, , 413-427.		4
298	APEX: A New Tool for Predicting the Effects of Climate and CO2 Changes on Erosion and Water Quality. , 1998, , 441-449.		12
299	PREDICTION OF TWO-YEAR PEAK STREAM-DISCHARGES USING NEURAL NETWORKS. Journal of the American Water Resources Association, 1997, 33, 625-630.	2.4	76
300	INTEGRATION OF A BASIN-SCALE WATER QUALITY MODEL WITH GIS. Journal of the American Water Resources Association, 1994, 30, 453-462.	2.4	238
301	VALIDATION OF AGNPS FOR SMALL WATERSHEDS USING AN INTEGRATED AGNPS/GIS SYSTEM. Journal of the American Water Resources Association, 1993, 29, 833-842.	2.4	37
302	Nonpoint Source (NPS) Pollution Modeling Using Models Integrated with Geographic Information Systems (GIS). Water Science and Technology, 1993, 28, 685-690.	2.5	64
303	Expert system for irrigation management (ESIM). Agricultural Systems, 1991, 36, 297-314.	6.2	10
304	Bacterial Total Maximum Daily Load (TMDL): Statistical Comparison of impaired and unimpaired watersheds in Texas. , 0, , .		0
305	Atmospheric Nitrogen Flux from the Watersheds of Major Estuaries of the United States: An Application of the SPARROW Watershed Model. Coastal and Estuarine Studies, 0, , 119-170.	0.0	32
306	Using SWAT for sub-field identification of phosphorus critical source areas in a saturation excess runoff region. Hydrological Sciences Journal, 0, , 1-19.	2.7	19

#	ARTICLE	IF	CITATIONS
307	Application of the SWAT model to assess the impact of changes in agricultural management practices on water quality. Hydrological Sciences Journal, 0, , 1-19.	2.7	21
308	Assessing the Economic Benefits of Sustainable Land Management Practices in Bhutan. SSRN Electronic Journal, 0, , .	0.3	12