

devendra Amatya

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

2,017
citations

331259

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1907
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-term hydro-meteorology and water quality data from low-gradient catchments of varying scales on the Santee experimental Forest, South Carolina. <i>Hydrological Processes</i> , 2022, 36, .	1.1	1
2	Simulating Biomass Production and Water Use of Poplars in a Plantation Using a STELLA-Based Model. <i>Forests</i> , 2022, 13, 547.	0.9	0
3	Extreme precipitation-based vulnerability assessment of road-crossing drainage structures in forested watersheds using an integrated environmental modeling approach. <i>Environmental Modelling and Software</i> , 2022, 155, 105413.	1.9	5
4	Estimates of Precipitation IDF Curves and Design Discharges for Road-Crossing Drainage Structures: Case Study in Four Small Forested Watersheds in the Southeastern US. <i>Journal of Hydrologic Engineering - ASCE</i> , 2021, 26, .	0.8	9
5	Evaluation of Paired Watershed Runoff Relationships since Recovery from a Major Hurricane on a Coastal Forest—A Basis for Examining Effects of <i>Pinus palustris</i> Restoration on Water Yield. <i>Water (Switzerland)</i> , 2021, 13, 3121.	1.2	6
6	Long-Term Water Table Dynamics of Forested Wetlands: Drivers and their Effects on Wetland Hydrology in The Southeastern Atlantic Coastal Plain. <i>Wetlands</i> , 2020, 40, 65-79.	0.7	13
7	Effects of Drainage for Silviculture on Wetland Hydrology. <i>Wetlands</i> , 2020, 40, 47-64.	0.7	6
8	Silviculture and Forested Wetlands of the Southeast United States: an Introduction to the Special Feature. <i>Wetlands</i> , 2020, 40, 1-5.	0.7	0
9	Assessment of storm direct runoff and peak flow rates using improved SCS-CN models for selected forested watersheds in the Southeastern United States. <i>Journal of Hydrology: Regional Studies</i> , 2020, 27, 100645.	1.0	51
10	Response of Nutrients and Sediment to Hydrologic Variables in Switchgrass Intercropped Pine Forest Ecosystems on Poorly Drained Soil. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	1.1	3
11	Response of Drainage Water Quality to Fertilizer Applications on a Switchgrass Intercropped Coastal Pine Forest. <i>Water (Switzerland)</i> , 2020, 12, 1265.	1.2	0
12	Long-Term Ecohydrologic Monitoring: A Case Study from the Santee Experimental Forest, South Carolina. <i>The Journal of South Carolina Water Resources</i> , 2020, , 46-55.	0.7	4
13	A Daily Water Table Depth Computing Model for Poorly Drained Soils. <i>Wetlands</i> , 2019, 39, 39-54.	0.7	6
14	Regional Differences in Stream Water Nitrogen, Phosphorus, and Sediment Responses to Forest Harvesting in the Conterminous USA. <i>Journal of Environmental Quality</i> , 2019, 48, 634-644.	1.0	1
15	Comparison of Hydrology of Two Atlantic Coastal Plain Forests. <i>Transactions of the ASABE</i> , 2019, 62, 1509-1529.	1.1	9
16	Calibration of paired watersheds: Utility of moving sums in presence of externalities. <i>Hydrological Processes</i> , 2017, 31, 3458-3471.	1.1	10
17	Coastal Forests and Groundwater: Using Case Studies to Understand the Effects of Drivers and Stressors for Resource Management. <i>Sustainability</i> , 2017, 9, 447.	1.6	10
18	Water Quality Effects of Switchgrass Intercropping on Pine Forest in Coastal North Carolina. <i>Transactions of the ASABE</i> , 2017, 60, 1607-1620.	1.1	6

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19	Effects of cypress knee roughness on flow resistance and discharge estimates of the Turkey Creek watershed. <i>Annals of Warsaw University of Life Sciences, Land Reclamation</i> , 2017, 49, 179-199.	0.2	5
20	Grass and Forest Potential Evapotranspiration Comparison Using Five Methods in the Atlantic Coastal Plain. <i>Journal of Hydrologic Engineering - ASCE</i> , 2016, 21, .	0.8	18
21	Hydrological processes of reference watersheds in experimental forests, USA.. , 2016, , 219-239.		12
22	Hydro-meteorologic Assessment of October 2015 Extreme Precipitation Event on Santee Experimental Forest Watersheds, South Carolina. <i>The Journal of South Carolina Water Resources</i> , 2016, , 19-30.	0.7	6
23	Effects of Site Preparation for Pine Forest/Switchgrass Intercropping on Water Quality. <i>Journal of Environmental Quality</i> , 2015, 44, 1263-1272.	1.0	18
24	Testing DRAINMOD-FOREST for predicting evapotranspiration in a mid-rotation pine plantation. <i>Forest Ecology and Management</i> , 2015, 355, 37-47.	1.4	12
25	Turkey Creekâ€™A Case Study of Ecohydrology and Integrated Watershed Management in the Low-Gradient Atlantic Coastal Plain, USA. <i>Journal of Water Resource and Protection</i> , 2015, 07, 792-814.	0.3	10
26	Hurricane impacts on a pair of coastal forested watersheds: implications of selective hurricane damage to forest structure and streamflow dynamics. <i>Hydrology and Earth System Sciences</i> , 2014, 18, 1151-1164.	1.9	21
27	Evapotranspiration: Challenges in Measurement and Modeling. <i>Eos</i> , 2014, 95, 256-256.	0.1	2
28	Streamflow and Nutrients from a Karst Watershed with a Downstream Embayment: Chapel Branch Creek. <i>Journal of Hydrologic Engineering - ASCE</i> , 2014, 19, 428-438.	0.8	8
29	Hydrologic connectivity between geographically isolated wetlands and surface water systems: A review of select modeling methods. <i>Environmental Modelling and Software</i> , 2014, 53, 190-206.	1.9	137
30	Global sensitivity analysis of DRAINMOD-FOREST, an integrated forest ecosystem model. <i>Hydrological Processes</i> , 2014, 28, 4389-4410.	1.1	17
31	Quantifying watershed surface depression storage: determination and application in a hydrologic model. <i>Hydrological Processes</i> , 2013, 27, 2401-2413.	1.1	36
32	Hydrologic Effects of Size and Location of Fields Converted from Drained Pine Forest to Agricultural Cropland. <i>Journal of Hydrologic Engineering - ASCE</i> , 2013, 18, 552-566.	0.8	11
33	Characterization of Storm Flow Dynamics of Headwater Streams in the South Carolina Lower Coastal Plain¹. <i>Journal of the American Water Resources Association</i> , 2013, 49, 76-89.	1.0	24
34	Estimation of Daily Streamflow of Southeastern Coastal Plain Watersheds by Combining Estimated Magnitude and Sequence. <i>Journal of the American Water Resources Association</i> , 2013, 49, 1150-1166.	1.0	8
35	Curve Number Derivation for Watersheds Draining Two Headwater Streams in Lower Coastal Plain South Carolina, USA. <i>Journal of the American Water Resources Association</i> , 2013, 49, 1284-1295.	1.0	21
36	Predicting dissolved organic nitrogen export from a drained loblolly pine plantation. <i>Water Resources Research</i> , 2013, 49, 1952-1967.	1.7	7

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37	Managing Forest Water Quantity and Quality under Climate Change. , 2013, , 249-306.		12
38	Consistency of Hydrologic Relationships of a Paired Watershed Approach. American Journal of Climate Change, 2013, 02, 147-164.	0.5	21
39	SWAT Model Prediction of Phosphorus Loading in a South Carolina Karst Watershed with a Downstream Embayment. Journal of Environmental Protection, 2013, 04, 75-90.	0.3	15
40	Application of LiDAR Data for Hydrologic Assessments of Low-Gradient Coastal Watershed Drainage Characteristics. Journal of Geographic Information System, 2013, 05, 175-191.	0.3	11
41	Modeling water, carbon, and nitrogen dynamics for two drained pine plantations under intensive management practices. Forest Ecology and Management, 2012, 264, 20-36.	1.4	28
42	DRAINMOD-FOREST: Integrated Modeling of Hydrology, Soil Carbon and Nitrogen Dynamics, and Plant Growth for Drained Forests. Journal of Environmental Quality, 2012, 41, 764-782.	1.0	46
43	Sensitivity analysis of the <sc>DRAINWAT</sc> model applied to an agricultural watershed in the lower coastal plain, <sc>N</sc>orth <sc>C</sc>arolina, <sc>USA</sc>. Water and Environment Journal, 2012, 26, 130-145.	1.0	12
44	Effect of Assessment Scale on Spatial and Temporal Variations in CH ₄ , CO ₂ , and N ₂ O Fluxes in a Forested Wetland. Water, Air, and Soil Pollution, 2012, 223, 253-265.	1.1	46
45	Long-Term Hydrology and Water Quality of a Drained Pine Plantation in North Carolina. Transactions of the ASABE, 2011, 54, 2087-2098.	1.1	33
46	Evaluating the SWAT Model for a Low-Gradient Forested Watershed in Coastal South Carolina. Transactions of the ASABE, 2011, 54, 2151-2163.	1.1	37
47	Effects of Land Use on Soil Properties and Hydrology of Drained Coastal Plain Watersheds. Transactions of the ASABE, 2011, 54, 1357-1365.	1.1	19
48	Climate Variability and Its Impact on Forest Hydrology on South Carolina Coastal Plain, USA. Atmosphere, 2011, 2, 330-357.	1.0	27
49	Seasonal rainfallâ€“runoff relationships in a lowland forested watershed in the southeastern USA. Hydrological Processes, 2011, 25, 2032-2045.	1.1	52
50	Impacts of Fertilization on Water Quality of a Drained Pine Plantation: A Worst Case Scenario. Journal of Environmental Quality, 2010, 39, 293-303.	1.0	24
51	Application of DRAINMOD-GIS to a Lower Coastal Plain Watershed. Transactions of the ASABE, 2007, 50, 439-447.	1.1	8
52	Hydrology and Water Budget for a Forested Atlantic Coastal Plain Watershed, South Carolina. Journal of the American Water Resources Association, 2007, 43, 563-575.	1.0	58
53	A COMPARISON OF SIX POTENTIAL EVAPOTRANSPIRATION METHODS FOR REGIONAL USE IN THE SOUTHEASTERN UNITED STATES. Journal of the American Water Resources Association, 2005, 41, 621-633.	1.0	450
54	DEVELOPMENT AND TESTING OF WATERSHED-SCALE MODELS FOR POORLY DRAINED SOILS. Transactions of the American Society of Agricultural Engineers, 2005, 48, 639-652.	0.9	37

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55	HYDROLOGIC AND WATER-QUALITY RESPONSE OF FORESTED AND AGRICULTURAL LANDS DURING THE 1999 EXTREME WEATHER CONDITIONS IN EASTERN NORTH CAROLINA. Transactions of the American Society of Agricultural Engineers, 2005, 48, 2179-2188.	0.9	16
56	DRAINWAT-BASED METHODS FOR ESTIMATING NITROGEN TRANSPORT IN POORLY DRAINED WATERSHEDS. Transactions of the American Society of Agricultural Engineers, 2004, 47, 677-687.	0.9	22
57	WATGIS: A GIS-BASED LUMPED PARAMETER WATER QUALITY MODEL. Transactions of the American Society of Agricultural Engineers, 2002, 45, .	0.9	20
58	Effects of timber management on the hydrology of wetland forests in the southern United States. Forest Ecology and Management, 2001, 143, 227-236.	1.4	103
59	EFFECTS OF CONTROLLED DRAINAGE ON STORM EVENT HYDROLOGY IN A LOBLOLLY PINE PLANTATION. Journal of the American Water Resources Association, 2000, 36, 175-190.	1.0	41
60	Effects of Controlled Drainage on Forest Water Quality. Journal of Environmental Quality, 1998, 27, 923-935.	1.0	55
61	HYDROLOGY OF A DRAINED FORESTED POCOSIN WATERSHED. Journal of the American Water Resources Association, 1997, 33, 535-546.	1.0	19
62	Effects of controlled drainage on the hydrology of drained pine plantations in the North Carolina coastal plain. Journal of Hydrology, 1996, 181, 211-232.	2.3	89
63	Comparison of Methods for Estimating REF-ET. Journal of Irrigation and Drainage Engineering - ASCE, 1995, 121, 427-435.	0.6	180