Raj Cibin

List of Publications by Year
in descending order

32 papers	809 citations	623188 14 h-index	525886 27 g-index
32 all docs	32 docs citations	32 times ranked	1048 citing authors

#	Article	IF	Citations
1	Optimal selection and placement of BMPs and LID practices with a rainfall-runoff model. Environmental Modelling and Software, 2016, 80, 281-296.	1.9	113
2	Watershedâ€scale impacts of bioenergy crops on hydrology and water quality using improved <scp>SWAT</scp> model. GCB Bioenergy, 2016, 8, 837-848.	2.5	76
3	Manuresheds: Advancing nutrient recycling in US agriculture. Agricultural Systems, 2020, 182, 102813.	3.2	75
4	Perennial rhizomatous grasses as bioenergy feedstock in SWAT : parameter development and model improvement. GCB Bioenergy, 2015, 7, 1185-1202.	2.5	56
5	Environmental and Economic Trade-Offs in a Watershed When Using Corn Stover for Bioenergy. Environmental Science & Technology, 2013, 47, 1784-1791.	4.6	53
6	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. Science of the Total Environment, 2018, 613-614, 724-735.	3.9	49
7	Marginal land suitability for switchgrass, Miscanthus and hybrid poplar in the Upper Mississippi River Basin (UMRB). Environmental Modelling and Software, 2017, 93, 356-365.	1.9	45
8	Biophysical and hydrological effects of future climate change including trends in CO2, in the St. Joseph River watershed, Eastern Corn Belt. Agricultural Water Management, 2017, 180, 280-296.	2.4	44
9	Hydrologic and water quality impacts and biomass production potential on marginal land. Environmental Modelling and Software, 2015, 72, 230-238.	1.9	41
10	Comparative Analysis of HRU and Grid-Based SWAT Models. Water (Switzerland), 2017, 9, 272.	1.2	36
11	Water Quality Assessment of Largeâ€scale Bioenergy Cropping Scenarios for the Upper Mississippi and Ohioâ€Tennessee River Basins. Journal of the American Water Resources Association, 2017, 53, 1355-1367.	1.0	24
12	Environmental impacts of bioenergy crop production and benefits of multifunctional bioenergy systems. , 2019, , 195-217.		22
13	Perennial biomass production from marginal land in the Upper Mississippi River Basin. Land Degradation and Development, 2018, 29, 1748-1755.	1.8	21
14	Assessment of Bioenergy Cropping Scenarios for the Boone River Watershed in North Central Iowa, United States. Journal of the American Water Resources Association, 2017, 53, 1336-1354.	1.0	17
15	Integrated Economic and Environmental Assessment of Cellulosic Biofuel Production in an Agricultural Watershed. Bioenergy Research, 2017, 10, 509-524.	2.2	16
16	Parameter estimation of SWAT and quantification of consequent confidence bands of model simulations. Environmental Earth Sciences, 2018, 77, 1.	1.3	14
17	Reallocating crop rotation patterns improves water quality and maintains crop yield. Agricultural Systems, 2021, 187, 103015.	3.2	13
18	An Improved Representation of Vegetative Filter Strips in SWAT. Transactions of the ASABE, 2018, 61, 1017-1024.	1.1	12

#	Article	IF	Citations
19	Riparian buffer effectiveness as a function of buffer design and input loads. Journal of Environmental Quality, 2020, 49, 1599-1611.	1.0	12
20	Hydrologic responses to projected climate change in ecologically diverse watersheds of the Gulf Coast, United States. International Journal of Climatology, 2019, 39, 2227-2243.	1.5	11
21	Minimizing environmental impacts of solar farms: a review of current science on landscape hydrology and guidance on stormwater management. Environmental Research: Infrastructure and Sustainability, 2022, 2, 032002.	0.9	11
22	Policy Implications from Multiâ€scale Watershed Models of Biofuel Crop Adoption across the Corn Belt. Journal of the American Water Resources Association, 2017, 53, 1313-1322.	1.0	10
23	Mitigating lake eutrophication through stakeholder-driven hydrologic modeling of agricultural conservation practices: A case study of Lake Macatawa, Michigan. Journal of Great Lakes Research, 2021, 47, 1710-1725.	0.8	8
24	Influence of Bioenergy Crop Production and Climate Change on Ecosystem Services. Journal of the American Water Resources Association, 2017, 53, 1323-1335.	1.0	6
25	<i>Geospatial Landscape Analysis for Livestock Manure Management in Western Pennsylvania</i>. , 2018, , .		6
26	Reconceptualizing HRU Threshold Definition in the Soil and Water Assessment Tool. Journal of the American Water Resources Association, 2022, 58, 508-516.	1.0	6
27	Simulating Establishment Periods of Switchgrass and Miscanthus in the Soil and Water Assessment Tool (SWAT). Transactions of the ASABE, 2017, 60, 1621-1632.	1.1	5
28	The effects of disproportional load contributions on quantifying vegetated filter strip sediment trapping efficiencies. Stochastic Environmental Research and Risk Assessment, 2018, 32, 2369-2380.	1.9	5
29	Reliability of Hydrology and Water Quality Simulations Using Global Scale Datasets. Journal of the American Water Resources Association, 2022, 58, 453-470.	1.0	2
30	<i>Assessment of riparian buffersâ€™ effectiveness in controlling nutrient and sediment loads as a function of buffer design, site characteristics and upland loadings</i>. , 2019, , .		0
31	A MULTI-CRITERIA-BASED APPROACH TO QUANTIFY PREDICTIVE UNCERTAINTY OF DISTRIBUTED MODELS WHEN APPLIED TO UNGAUGED BASINS. , 0, , 75-88.		0
32	Toward a Robust Land Suitability Framework for Manure Management: Modeling Impacts and Evaluating Biophysical Characteristics. Journal of the American Water Resources Association, 2022, 58, 435-452.	1.0	0