

Narayan Kumar Shrestha

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

816
citations

516681

16
h-index

501174

28
g-index

30
all docs

30
docs citations

30
times ranked

940
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessing climate change impacts on fresh water resources of the Athabasca River Basin, Canada. <i>Science of the Total Environment</i> , 2017, 601-602, 425-440.	8.0	117
2	Predicting sediment yield and transport dynamics of a cold climate region watershed in changing climate. <i>Science of the Total Environment</i> , 2018, 625, 1030-1045.	8.0	73
3	Assessment of the different sources of uncertainty in a SWAT model of the River Senne (Belgium). <i>Environmental Modelling and Software</i> , 2015, 68, 129-146.	4.5	69
4	Evaluating the accuracy of Climate Hazard Group (CHG) satellite rainfall estimates for precipitation based drought monitoring in Koshi basin, Nepal. <i>Journal of Hydrology: Regional Studies</i> , 2017, 13, 138-151.	2.4	66
5	OpenMI-based integrated sediment transport modelling of the river Zenne, Belgium. <i>Environmental Modelling and Software</i> , 2013, 47, 193-206.	4.5	57
6	Assessing climate change impacts on stream temperature in the Athabasca River Basin using SWAT equilibrium temperature model and its potential impacts on stream ecosystem. <i>Science of the Total Environment</i> , 2019, 650, 1872-1881.	8.0	56
7	Quantifying the Impacts of Climate Change on Streamflow Dynamics of Two Major Rivers of the Northern Lake Erie Basin in Canada. <i>Sustainability</i> , 2018, 10, 2897.	3.2	37
8	Current and future hot-spots and hot-moments of nitrous oxide emission in a cold climate river basin. <i>Environmental Pollution</i> , 2018, 239, 648-660.	7.5	29
9	Incorporation of the equilibrium temperature approach in a Soil and Water Assessment Tool hydroclimatological stream temperature model. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 2343-2357.	4.9	24
10	A comprehensive review of ephemeral gully erosion models. <i>Catena</i> , 2020, 195, 104901.	5.0	24
11	Currents Status, Challenges, and Future Directions in Identifying Critical Source Areas for Non-Point Source Pollution in Canadian Conditions. <i>Agriculture (Switzerland)</i> , 2020, 10, 468.	3.1	24
12	Water Security Assessment of the Grand River Watershed in Southwestern Ontario, Canada. <i>Sustainability</i> , 2019, 11, 1883.	3.2	22
13	Integrating organic chemical simulation module into SWAT model with application for PAHs simulation in Athabasca oil sands region, Western Canada. <i>Environmental Modelling and Software</i> , 2019, 111, 432-443.	4.5	21
14	A comparative evaluation of the continuous and event-based modelling approaches for identifying critical source areas for sediment and phosphorus losses. <i>Journal of Environmental Management</i> , 2021, 277, 111427.	7.8	21
15	Assessment of climate change impact on crop yield and irrigation water requirement of two major cereal crops (rice and wheat) in Bhaktapur district, Nepal. <i>Journal of Water and Climate Change</i> , 2017, 8, 320-335.	2.9	20
16	Modeling nitrous oxide emissions from rough fescue grassland soils subjected to long-term grazing of different intensities using the Soil and Water Assessment Tool (SWAT). <i>Environmental Science and Pollution Research</i> , 2018, 25, 27362-27377.	5.3	16
17	Identifying threshold storm events and quantifying potential impacts of climate change on sediment yield in a small upland agricultural watershed of Ontario. <i>Hydrological Processes</i> , 2019, 33, 920-931.	2.6	16
18	Applicability of Lumped Hydrological Models in a Data-Constrained River Basin of Asia. <i>Journal of Hydrologic Engineering - ASCE</i> , 2020, 25, .	1.9	15

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19	Modelling Escherichia coli dynamics in the river Zenne (Belgium) using an OpenMI based integrated model. Journal of Hydroinformatics, 2014, 16, 354-374.	2.4	12
20	Development of RWQM1-based integrated water quality model in OpenMI with application to the River Zenne, Belgium. Hydrological Sciences Journal, 2017, 62, 774-799.	2.6	12
21	Incorporating a non-reactive heavy metal simulation module into SWAT model and its application in the Athabasca oil sands region. Environmental Science and Pollution Research, 2019, 26, 20879-20892.	5.3	12
22	Predicting nitrous oxide emissions after the application of solid manure to grassland in the United Kingdom. Journal of Environmental Quality, 2020, 49, 1-13.	2.0	11
23	Modelling Watershed and River Basin Processes in Cold Climate Regions: A Review. Water (Switzerland), 2021, 13, 518.	2.7	11
24	A Review of Ongoing Advancements in Soil and Water Assessment Tool (SWAT) for Nitrous Oxide (N ₂ o) Modeling. Atmosphere, 2020, 11, 450.	2.3	10
25	Advancing model calibration and uncertainty analysis of SWAT models using cloud computing infrastructure: LCC-SWAT. Journal of Hydroinformatics, 2021, 23, 1-15.	2.4	9
26	Trace Metal Modelling of a Complex River Basin Using the Suite of Models Integrated in the OpenMI Platform. Environments - MDPI, 2018, 5, 48.	3.3	8
27	Threshold storm approach for locating phosphorus problem areas: An application in three agricultural watersheds in the Canadian Lake Erie basin. Journal of Great Lakes Research, 2020, 46, 132-143.	1.9	8
28	The Role of Large Dams in a Transboundary Drought Management Co-Operation Framework – Case Study of the Kabul River Basin. Water (Switzerland), 2021, 13, 2628.	2.7	8
29	Integrated Water Quality Modelling of the River Zenne (Belgium) Using OpenMI. , 2014, , 259-274.		7
30	Mapping runoff generating areas using AGNPS-VSA model. Hydrological Sciences Journal, 2020, 65, 2224-2232.	2.6	1