

# Nishan Bhattarai

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

1,183  
citations

361413

20  
h-index

454955

30  
g-index

41  
all docs

41  
docs citations

41  
times ranked

1375  
citing authors

#	ARTICLE	IF	CITATIONS
1	Landscape-scale hydrologic response of plant invasion relative to native vegetation in urban forests. <i>Science of the Total Environment</i> , 2022, 802, 149903.	8.0	4
2	China can reach carbon neutrality before 2050 by improving economic development quality. <i>Energy</i> , 2022, 243, 123087.	8.8	101
3	Environmental sustainability and footprints of global aquaculture. <i>Resources, Conservation and Recycling</i> , 2022, 180, 106183.	10.8	43
4	Thermally derived evapotranspiration from the Surface Temperature Initiated Closure (STIC) model improves cropland GPP estimates under dry conditions. <i>Remote Sensing of Environment</i> , 2022, 271, 112901.	11.0	10
5	Modeling Evapotranspiration of Winter Wheat Using Contextual and Pixel-Based Surface Energy Balance Models. <i>Transactions of the ASABE</i> , 2021, 64, 507-519.	1.1	4
6	Groundwater depletion will reduce cropping intensity in India. <i>Science Advances</i> , 2021, 7, .	10.3	87
7	On the use of machine learning based ensemble approaches to improve evapotranspiration estimates from croplands across a wide environmental gradient. <i>Agricultural and Forest Meteorology</i> , 2021, 298-299, 108308.	4.8	21
8	Using Sentinel-1, Sentinel-2, and Planet Imagery to Map Crop Type of Smallholder Farms. <i>Remote Sensing</i> , 2021, 13, 1870.	4.0	34
9	The impact of groundwater depletion on agricultural production in India. <i>Environmental Research Letters</i> , 2021, 16, 085003.	5.2	33
10	Drought characterization across agricultural regions of China using standardized precipitation and vegetation water supply indices. <i>Journal of Cleaner Production</i> , 2021, 313, 127866.	9.3	18
11	The role of aerodynamic resistance in thermal remote sensing-based evapotranspiration models. <i>Remote Sensing of Environment</i> , 2021, 264, 112602.	11.0	22
12	Recent Advances in Remote Sensing of Evapotranspiration. <i>Remote Sensing</i> , 2021, 13, 4260.	4.0	16
13	Understanding the effects of pasture type and stocking rate on the hydrology of the Southern Great Plains. <i>Science of the Total Environment</i> , 2020, 708, 134873.	8.0	5
14	Impacts of irrigated agriculture on foodâ€“energyâ€“waterâ€“CO2 nexus across metacoupled systems. <i>Nature Communications</i> , 2020, 11, 5837.	12.8	114
15	Forest loss in Brazil increases maximum temperatures within 50 km. <i>Environmental Research Letters</i> , 2019, 14, 084047.	5.2	38
16	Estimating prey abundance and distribution from camera trap data using binomial mixture models. <i>European Journal of Wildlife Research</i> , 2019, 65, 1.	1.4	5
17	Tiger and leopard co-occurrence: intraguild interactions in response to human and livestock disturbance. <i>Basic and Applied Ecology</i> , 2019, 40, 78-89.	2.7	22
18	An automated multi-model evapotranspiration mapping framework using remotely sensed and reanalysis data. <i>Remote Sensing of Environment</i> , 2019, 229, 69-92.	11.0	61

#	ARTICLE	IF	CITATIONS
19	LandMOD ET mapper: A new matlab-based graphical user interface (GUI) for automated implementation of SEBAL and METRIC models in thermal imagery. <i>Environmental Modelling and Software</i> , 2019, 118, 76-82.	4.5	13
20	A Critical Evaluation on the Role of Aerodynamic and Canopy Surface Conductance Parameterization in SEB and SVAT Models for Simulating Evapotranspiration: A Case Study in the Upper Biebrza National Park Wetland in Poland. <i>Water (Switzerland)</i> , 2018, 10, 1753.	2.7	25
21	Regional evapotranspiration from an image-based implementation of the Surface Temperature Initiated Closure (STIC1.2) model and its validation across an aridity gradient in the conterminous US. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 2311-2341.	4.9	40
22	Performance of five surface energy balance models for estimating daily evapotranspiration in high biomass sorghum. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2017, 128, 192-203.	11.1	99
23	A new optimized algorithm for automating endmember pixel selection in the SEBAL and METRIC models. <i>Remote Sensing of Environment</i> , 2017, 196, 178-192.	11.0	62
24	Utility of remote sensing-based surface energy balance models to track water stress in rain-fed switchgrass under dry and wet conditions. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2017, 133, 128-141.	11.1	37
25	Enforcement Evasion Highlights Need for Better Satellite-Based Forest Governance. <i>Conservation Letters</i> , 2017, 10, 497-498.	5.7	0
26	Are Brazil's Deforesters Avoiding Detection?. <i>Conservation Letters</i> , 2017, 10, 470-476.	5.7	37
27	How Might Recharge Change Under Projected Climate Change in the Western U.S.?. <i>Geophysical Research Letters</i> , 2017, 44, 10407-10418.	4.0	38
28	Evaluating five remote sensing based single-source surface energy balance models for estimating daily evapotranspiration in a humid subtropical climate. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2016, 49, 75-86.	2.8	94
29	A simple Landsat-MODIS fusion approach for monitoring seasonal evapotranspiration at 30 m spatial resolution. <i>International Journal of Remote Sensing</i> , 2015, 36, 115-143.	2.9	51
30	Longitudinal study of the impacts of land cover change on hydrologic response in four mesoscale watersheds in New York State, USA. <i>Journal of Hydrology</i> , 2014, 519, 12-22.	5.4	21
31	Validation of evaporation estimates from a modified surface energy balance algorithm for land (SEBAL) model in the south-eastern United States. <i>Remote Sensing Letters</i> , 2012, 3, 511-519.	1.4	20
32	SENSITIVITY OF FOUR CONTEXTUAL REMOTE SENSING BASED SURFACE ENERGY BALANCE MODELS TO SPATIAL DOMAIN. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-3/W6, 3-7.	0.2	2
33	Influence of modeling domain and meteorological forcing data on daily evapotranspiration estimates from a Shuttleworth-Wallace model using Sentinel-2 surface reflectance data. <i>Irrigation Science</i> , 0, , 1.	2.8	4