

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	Impacts of irrigated agriculture on food–energy–water–CO2 nexus across metacoupled systems. <i>Nature Communications</i> , 2020, 11, 5837.	12.8	114
2	China can reach carbon neutrality before 2050 by improving economic development quality. <i>Energy</i> , 2022, 243, 123087.	8.8	101
3	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
4	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
5	Groundwater depletion will reduce cropping intensity in India. <i>Science Advances</i> , 2021, 7, .	10.3	87
6	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
7	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
8	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
9	Environmental sustainability and footprints of global aquaculture. <i>Resources, Conservation and Recycling</i> , 2022, 180, 106183.	10.8	43
10	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
11	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
12	Forest loss in Brazil increases maximum temperatures within 50 km. <i>Environmental Research Letters</i> , 2019, 14, 084047.	5.2	38
13	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
14	Are Brazil's Deforesters Avoiding Detection?. <i>Conservation Letters</i> , 2017, 10, 470-476.	5.7	37
15	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
16	The impact of groundwater depletion on agricultural production in India. <i>Environmental Research Letters</i> , 2021, 16, 085003.	5.2	33
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	The role of aerodynamic resistance in thermal remote sensing-based evapotranspiration models. Remote Sensing of Environment, 2021, 264, 112602.	11.0	22
20	Longitudinal study of the impacts of land cover change on hydrologic response in four mesoscale watersheds in New York State, USA. Journal of Hydrology, 2014, 519, 12-22.	5.4	21
21	On the use of machine learning based ensemble approaches to improve evapotranspiration estimates from croplands across a wide environmental gradient. Agricultural and Forest Meteorology, 2021, 298-299, 108308.	4.8	21
22	Validation of evaporation estimates from a modified surface energy balance algorithm for land (SEBAL) model in the south-eastern United States. Remote Sensing Letters, 2012, 3, 511-519.	1.4	20
23	Drought characterization across agricultural regions of China using standardized precipitation and vegetation water supply indices. Journal of Cleaner Production, 2021, 313, 127866.	9.3	18
24	Recent Advances in Remote Sensing of Evapotranspiration. Remote Sensing, 2021, 13, 4260.	4.0	16
25	LandMOD ET mapper: A new matlab-based graphical user interface (GUI) for automated implementation of SEBAL and METRIC models in thermal imagery. Environmental Modelling and Software, 2019, 118, 76-82.	4.5	13
26	Thermally derived evapotranspiration from the Surface Temperature Initiated Closure (STIC) model improves cropland GPP estimates under dry conditions. Remote Sensing of Environment, 2022, 271, 112901.	11.0	10
27	Estimating prey abundance and distribution from camera trap data using binomial mixture models. European Journal of Wildlife Research, 2019, 65, 1.	1.4	5
28	Understanding the effects of pasture type and stocking rate on the hydrology of the Southern Great Plains. Science of the Total Environment, 2020, 708, 134873.	8.0	5
29	Modeling Evapotranspiration of Winter Wheat Using Contextual and Pixel-Based Surface Energy Balance Models. Transactions of the ASABE, 2021, 64, 507-519.	1.1	4
30	Landscape-scale hydrologic response of plant invasion relative to native vegetation in urban forests. Science of the Total Environment, 2022, 802, 149903.	8.0	4
31	Influence of modeling domain and meteorological forcing data on daily evapotranspiration estimates from a Shuttleworth-Wallace model using Sentinel-2 surface reflectance data. Irrigation Science, 0, , 1.	2.8	4
32	SENSITIVITY OF FOUR CONTEXTUAL REMOTE SENSING BASED SURFACE ENERGY BALANCE MODELS TO SPATIAL DOMAIN. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-3/W6, 3-7.	0.2	2
33	Enforcement Evasion Highlights Need for Better Satellite-Based Forest Governance. Conservation Letters, 2017, 10, 497-498.	5.7	0