

# Tarendra Lakhankar

## List of Publications by Year in descending order

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24  
papers

700  
citations

567281  
15  
h-index

610901  
24  
g-index

24  
all docs

24  
docs citations

24  
times ranked

1120  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatial and Temporal Variability of Rainfall in the Gandaki River Basin of Nepal Himalaya. <i>Climate</i> , 2015, 3, 210-226.	2.8	102
2	Evaluating Satellite Products for Precipitation Estimation in Mountain Regions: A Case Study for Nepal. <i>Remote Sensing</i> , 2013, 5, 4107-4123.	4.0	83
3	Drought risk assessment in central Nepal: temporal and spatial analysis. <i>Natural Hazards</i> , 2016, 80, 1913-1932.	3.4	83
4	The Impact of Climate Change on Biodiversity in Nepal: Current Knowledge, Lacunae, and Opportunities. <i>Climate</i> , 2017, 5, 80.	2.8	42
5	Analysis of Large Scale Spatial Variability of Soil Moisture Using a Geostatistical Method. <i>Sensors</i> , 2010, 10, 913-932.	3.8	39
6	Non-parametric Methods for Soil Moisture Retrieval from Satellite Remote Sensing Data. <i>Remote Sensing</i> , 2009, 1, 3-21.	4.0	38
7	A multi-temporal analysis of AMSR-E data for flood and discharge monitoring during the 2008 flood in Iowa. <i>Hydrological Processes</i> , 2011, 25, 2623-2634.	2.6	37
8	Validation of NOAA-Interactive Multisensor Snow and Ice Mapping System (IMS) by Comparison with Ground-Based Measurements over Continental United States. <i>Remote Sensing</i> , 2012, 4, 1134-1145.	4.0	35
9	Effect of Land Cover Heterogeneity on Soil Moisture Retrieval Using Active Microwave Remote Sensing Data. <i>Remote Sensing</i> , 2009, 1, 80-91.	4.0	33
10	Precipitation Trends over the Indus Basin. <i>Climate</i> , 2019, 7, 116.	2.8	29
11	Impact of Irrigation Method on Water Use Efficiency and Productivity of Fodder Crops in Nepal. <i>Climate</i> , 2016, 4, 4.	2.8	27
12	Mapping and Attributing Normalized Difference Vegetation Index Trends for Nepal. <i>Remote Sensing</i> , 2017, 9, 986.	4.0	27
13	National Livestock Policy of Nepal: Needs and Opportunities. <i>Agriculture (Switzerland)</i> , 2015, 5, 103-131.	3.1	24
14	Soil Moisture Retrieval Using Ground-Based L-Band and Passive Microwave Observations in Northeastern USA. <i>Vadose Zone Journal</i> , 2014, 13, 1-10.	2.2	18
15	Evaluation of Operational National Weather Service Gridded Flash Flood Guidance over the Arkansas River Basin. <i>Journal of the American Water Resources Association</i> , 2013, 49, 1296-1307.	2.4	17
16	Probabilistic Precipitation Estimation with a Satellite Product. <i>Climate</i> , 2015, 3, 329-348.	2.8	12
17	Trends in Drought over the Northeast United States. <i>Water (Switzerland)</i> , 2019, 11, 1834.	2.7	12
18	Assessing the Spatiotemporal Variability of SMAP Soil Moisture Accuracy in a Deciduous Forest Region. <i>Remote Sensing</i> , 2022, 14, 3329.	4.0	8

#	ARTICLE	IF	CITATIONS
19	Sensitivity Analysis of b-factor in Microwave Emission Model for Soil Moisture Retrieval: A Case Study for SMAP Mission. Remote Sensing, 2010, 2, 1273-1286.	4.0	7
20	Applying SMOS soil moisture data into the National Weather Service (NWS)â€™s Research Distributed Hydrologic Model (HL-RDHM) for flash flood guidance application. Remote Sensing Applications: Society and Environment, 2017, 8, 182-192.	1.5	7
21	Proof of Concept: Development of Snow Liquid Water Content Profiler Using CS650 Reflectometers at Caribou, ME, USA. Sensors, 2017, 17, 647.	3.8	7
22	Intercomparison and Validation of MIRS, MSPPS, and IMS Snow Cover Products. Advances in Meteorology, 2020, 2020, 1-10.	1.6	7
23	Evaluation of the Snow Thermal Model (SNTHERM) through Continuous in situ Observations of Snowâ€™s Physical Properties at the CREST-SAFE Field Experiment. Geosciences (Switzerland), 2015, 5, 310-333.	2.2	3
24	Evaluation of VIIRS Land Surface Temperature Using CREST-SAFE Air, Snow Surface, and Soil Temperature Data. Geosciences (Switzerland), 2015, 5, 334-360.	2.2	3