

Vishnu Pandey

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

1,834
citations

218677

26
h-index

276875

41
g-index

70
all docs

70
docs citations

70
times ranked

1772
citing authors

#	ARTICLE	IF	CITATIONS
1	Livelihood vulnerability approach to assessing climate change impacts on mixed agro-livestock smallholders around the Gandaki River Basin in Nepal. <i>Regional Environmental Change</i> , 2016, 16, 1121-1132.	2.9	151
2	Assessment of groundwater vulnerability and risk to pollution in Kathmandu Valley, Nepal. <i>Science of the Total Environment</i> , 2016, 556, 23-35.	8.0	137
3	Climate change impacts on groundwater resources in Mekong Delta under representative concentration pathways (RCPs) scenarios. <i>Environmental Science and Policy</i> , 2016, 61, 1-13.	4.9	95
4	Application of Water Poverty Index (WPI) in Nepalese Context: A Case Study of Kali Gandaki River Basin (KGRB). <i>Water Resources Management</i> , 2012, 26, 89-107.	3.9	82
5	A framework for measuring groundwater sustainability. <i>Environmental Science and Policy</i> , 2011, 14, 396-407.	4.9	80
6	Groundwater vulnerability to climate change: A review of the assessment methodology. <i>Science of the Total Environment</i> , 2018, 612, 853-875.	8.0	79
7	Evaluation of index-overlay methods for groundwater vulnerability and risk assessment in Kathmandu Valley, Nepal. <i>Science of the Total Environment</i> , 2017, 575, 779-790.	8.0	77
8	Evaluation of groundwater environment of Kathmandu Valley. <i>Environmental Earth Sciences</i> , 2010, 60, 1329-1342.	2.7	73
9	Climate change and adaptation strategies in Budhi Gandaki River Basin, Nepal: a perception-based analysis. <i>Climatic Change</i> , 2017, 140, 195-208.	3.6	64
10	A framework to assess adaptive capacity of the water resources system in Nepalese river basins. <i>Ecological Indicators</i> , 2011, 11, 480-488.	6.3	62
11	Hydrological response of Chamelia watershed in Mahakali Basin to climate change. <i>Science of the Total Environment</i> , 2019, 650, 365-383.	8.0	60
12	A multi-model approach for analyzing water balance dynamics in Kathmandu Valley, Nepal. <i>Journal of Hydrology: Regional Studies</i> , 2017, 9, 149-162.	2.4	49
13	The COVID-19 Pandemic Not Only Poses Challenges, but Also Opens Opportunities for Sustainable Transformation. <i>Earth's Future</i> , 2021, 9, e2021EF001996.	6.3	42
14	Assessing climate change vulnerability of water at household level. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2015, 20, 1471-1485.	2.1	41
15	Empirical assessment of adaptation to climate change impacts of mountain households: development and application of an Adaptation Capability Index. <i>Journal of Mountain Science</i> , 2016, 13, 1503-1514.	2.0	41
16	Achieving water security in Nepal through unravelling the water-energy-agriculture nexus. <i>International Journal of Water Resources Development</i> , 2021, 37, 67-93.	2.0	41
17	Indicator-Based Approach for Assessing the Vulnerability of Freshwater Resources in the Bagmati River Basin, Nepal. <i>Environmental Management</i> , 2011, 48, 1044-1059.	2.7	40
18	Characterization of hydro-meteorological drought in Nepal Himalaya: A case of Karnali River Basin. <i>Weather and Climate Extremes</i> , 2019, 26, 100239.	4.1	39

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19	Mapping groundwater resiliency under climate change scenarios: A case study of Kathmandu Valley, Nepal. <i>Environmental Research</i> , 2020, 183, 109149.	7.5	36
20	Vulnerability of freshwater resources in large and medium Nepalese river basins to environmental change. <i>Water Science and Technology</i> , 2010, 61, 1525-1534.	2.5	33
21	Hydro-climatic trends and people's perceptions: case of Kali Gandaki River Basin, Nepal. <i>Climate Research</i> , 2012, 54, 167-179.	1.1	33
22	Water Poverty Situation of Medium-sized River Basins in Nepal. <i>Water Resources Management</i> , 2012, 26, 2475-2489.	3.9	33
23	Green, Blue and Grey Water Footprints of Primary Crops Production in Nepal. <i>Water Resources Management</i> , 2013, 27, 5223.	3.9	31
24	Evaluation of Water Security in Kathmandu Valley before and after Water Transfer from another Basin. <i>Water (Switzerland)</i> , 2018, 10, 224.	2.7	29
25	Hydrogeologic characteristics of groundwater aquifers in Kathmandu Valley, Nepal. <i>Environmental Earth Sciences</i> , 2011, 62, 1723-1732.	2.7	28
26	Arsenic occurrence in groundwater of Kathmandu Valley, Nepal. <i>Desalination and Water Treatment</i> , 2009, 4, 248-254.	1.0	27
27	Model-based estimation of land subsidence in Kathmandu Valley, Nepal. <i>Geomatics, Natural Hazards and Risk</i> , 2017, 8, 974-996.	4.3	23
28	Fuzzy-based approach for evaluating groundwater sustainability of Asian cities. <i>Sustainable Cities and Society</i> , 2019, 44, 321-331.	10.4	22
29	Multi-Hazard Risk Assessment of Kathmandu Valley, Nepal. <i>Sustainability</i> , 2021, 13, 5369.	3.2	20
30	Spatio-temporal distribution of water availability in Karnali-Mohana Basin, Western Nepal: Hydrological model development using multi-site calibration approach (Part-A). <i>Journal of Hydrology: Regional Studies</i> , 2020, 29, 100690.	2.4	18
31	Agronomic, socio-economic, and environmental challenges and opportunities in Nepal's cereal-based farming systems. <i>Advances in Agronomy</i> , 2021, , 155-287.	5.2	17
32	Spatio-temporal distribution of water availability in Karnali-Mohana Basin, Western Nepal: Climate change impact assessment (Part-B). <i>Journal of Hydrology: Regional Studies</i> , 2020, 29, 100691.	2.4	16
33	Perturbation study of climate change impacts in a snowfed river basin. <i>Hydrological Processes</i> , 2013, 27, 3461-3474.	2.6	14
34	Assessing suitability of apple cultivation under climate change in mountainous regions of western Nepal. <i>Regional Environmental Change</i> , 2014, 14, 743-756.	2.9	14
35	Analysis of a Nepalese water resources system: stress, adaptive capacity and vulnerability. <i>Water Science and Technology: Water Supply</i> , 2009, 9, 213-222.	2.1	13
36	Climate futures for Western Nepal based on regional climate models in the CORDEX-SEA. <i>International Journal of Climatology</i> , 2020, 40, 2201-2225.	3.5	13

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37	Climate change and adaptation: an integrated framework linking social and physical aspects in poorly-gauged regions. <i>Climatic Change</i> , 2013, 120, 727-739.	3.6	12
38	How do CMIP6 models project changes in precipitation extremes over seasons and locations across the mid hills of Nepal?. <i>Theoretical and Applied Climatology</i> , 2021, 145, 1127-1144.	2.8	12
39	Hydro-climatic extremes in the Himalayan watersheds: a case of the Marshyangdi Watershed, Nepal. <i>Theoretical and Applied Climatology</i> , 2021, 143, 131-158.	2.8	11
40	From an open-access to a state-controlled resource: the case of groundwater in the Kathmandu Valley, Nepal. <i>Water International</i> , 2014, 39, 97-112.	1.0	9
41	IMPACT ASSESSMENT OF GORKHA EARTHQUAKE 2015 ON PORTABLE WATER SUPPLY IN KATHMANDU VALLEY: PRELIMINARY ANALYSIS. <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering)</i> , 2016, 72, 1_61-1_66.	0.1	9
42	The role of hydropower in visions of water resources development for rivers of Western Nepal. <i>International Journal of Water Resources Development</i> , 2021, 37, 531-558.	2.0	9
43	Spring water assessment for quality and suitability for various uses: the case of Thuligaad watershed, western Nepal. <i>Environmental Earth Sciences</i> , 2021, 80, 1.	2.7	9
44	Groundwater potential assessment using an integrated AHP-driven geospatial and field exploration approach applied to a hard-rock aquifer Himalayan watershed. <i>Journal of Hydrology: Regional Studies</i> , 2021, 37, 100914.	2.4	9
45	Performance evaluation and bias correction of gridded precipitation products over Arun River Basin in Nepal for hydrological applications. <i>Theoretical and Applied Climatology</i> , 2022, 148, 1353-1372.	2.8	9
46	Characterizing natural drivers of water-induced disasters in a rain-fed watershed: Hydro-climatic extremes in the Extended East Rapti Watershed, Nepal. <i>Journal of Hydrology</i> , 2021, 598, 126383.	5.4	8
47	Assessing the Prospects of Transboundary Multihazard Dynamics: The Case of Bhotekoshiâ€“Sunkoshi Watershed in Sinoâ€“Nepal Border Region. <i>Sustainability</i> , 2021, 13, 3670.	3.2	7
48	Climate Shocks and Responses in Karnali-Mahakali Basins, Western Nepal. <i>Climate</i> , 2019, 7, 92.	2.8	6
49	Implications of the Melamchi water supply project for the Kathmandu Valley groundwater system. <i>Water Policy</i> , 2019, 21, 120-137.	1.5	5
50	Balancing intersectoral demands in basin-scale planning: The case of Nepal's western river basins. <i>Water Resources and Economics</i> , 2020, 30, 100152.	2.2	5
51	Streamflow Alterations, Attributions, and Implications in Extended East Rapti Watershed, Central-Southern Nepal. <i>Sustainability</i> , 2020, 12, 3829.	3.2	4
52	Water Quality of Marshyangdi River, Nepal: An Assessment Using Water Quality Index (WQI). <i>Journal of Institute of Science and Technology</i> , 2021, 26, 13-21.	0.5	4
53	DPSIR Framework for Evaluating Groundwater Environment. , 2016, , 17-37.		3
54	Groundwater as an Environmental Issue in Asian Cities. , 2016, , 1-13.		3

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55	Integrated water resource management to address the growing demand for food and water in South Asia ⁸ . Irrigation and Drainage, 2021, 70, 924-935.	1.7	3
56	Water Environment in Southeast Asia: An Introduction. , 2016, , 187-191.		2
57	Water balance component analysis of a spring catchment of western Nepal. Banko Janakari, 2021, 31, 23-32.	0.5	2
58	Assessment of spatial and temporal variability in soil moisture using multi-length TDR probes to calibrate Aquaflex sensors. Irrigation Science, 2021, 39, 703-713.	2.8	2
59	Streams, sewage, and shallow groundwater: stream-aquifer interactions in the Kathmandu Valley, Nepal. Sustainable Water Resources Management, 2021, 7, 1.	2.1	2
60	Groundwater Environment in Tokyo, Japan. , 2016, , 451-468.		1
61	Water Environment in South Asia: An Introduction. , 2016, , 41-46.		1
62	Water Environment in Central and East Asia: An Introduction. , 2016, , 339-343.		0
63	Assessing effective pasture root depth for irrigation scheduling by water balance and soil moisture monitoring. Irrigation and Drainage, 0, , .	1.7	0
64	ASSESSMENT OF HYDROLOGIC ALTERATION: A CASE OF MARSHYANGDI WATERSHED. , 2022, , .		0
65	An assessment of climate change impacts on water sufficiency: The case of Extended East Rapti watershed, Nepal. Environmental Research, 2022, 212, 113434.	7.5	0