

# Amit Kumar

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9492486/publications.pdf>

Version: 2024-02-01

30  
papers

1,111  
citations

393982

19  
h-index

525886

27  
g-index

30  
all docs

30  
docs citations

30  
times ranked

925  
citing authors

#	ARTICLE	IF	CITATIONS
1	A massive rock and ice avalanche caused the 2021 disaster at Chamoli, Indian Himalaya. <i>Science</i> , 2021, 373, 300-306.	6.0	304
2	Assessment of landslide hazards induced by extreme rainfall event in Jammu and Kashmir Himalaya, northwest India. <i>Geomorphology</i> , 2017, 284, 72-87.	1.1	64
3	Particle size characteristics of suspended sediment transported in meltwater from the Gangotri Glacier, central Himalaya – An indicator of subglacial sediment evacuation. <i>Geomorphology</i> , 2010, 122, 140-152.	1.1	52
4	Assessment and review of hydrometeorological aspects for cloudburst and flash flood events in the third pole region (Indian Himalaya). <i>Polar Science</i> , 2018, 18, 5-20.	0.5	52
5	Ice-dams, outburst floods, and movement heterogeneity of glaciers, Karakoram. <i>Global and Planetary Change</i> , 2019, 180, 100-116.	1.6	50
6	The hazardous 2017–2019 surge and river damming by Shispare Glacier, Karakoram. <i>Scientific Reports</i> , 2020, 10, 4685.	1.6	43
7	Climatic control on extreme sediment transfer from Dokriani Glacier during monsoon, Garhwal Himalaya (India). <i>Journal of Earth System Science</i> , 2014, 123, 109-120.	0.6	42
8	Determination of water quality of Ganga River System in Himalayan region, referencing indexing techniques. <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	0.6	42
9	Meltwater storage and delaying characteristics of Gangotri Glacier (Indian Himalayas) during ablation season. <i>Hydrological Processes</i> , 2011, 25, 159-166.	1.1	38
10	Tracing isotopic signatures ( $\delta^2\text{H}$ and $\delta^{18}\text{O}$ ) in precipitation and glacier melt over Chorabari Glacier – Hydroclimatic inferences for the Upper Ganga Basin (UGB), Garhwal Himalaya. <i>Journal of Hydrology: Regional Studies</i> , 2018, 15, 68-89.	1.0	38
11	Evolution of debris flow and moraine failure in the Gangotri Glacier region, Garhwal Himalaya: Hydro-geomorphological aspects. <i>Geomorphology</i> , 2019, 333, 152-166.	1.1	38
12	Characterization of suspended sediment in Meltwater from Glaciers of Garhwal Himalaya. <i>Hydrological Processes</i> , 2014, 28, 969-979.	1.1	37
13	Assessment of Heavy Metals Toxicity and Ecological Impact on Surface Water Quality Using HPI in Ganga River. <i>INAE Letters</i> , 2018, 3, 123-129.	1.0	37
14	Water Quality and Planktonic Composition of River Henwal (India) Using Comprehensive Pollution Index and Biotic-Indices. , 2020, 5, 541-553.		36
15	A Perspective on Rishiganga-Dhauliganga Flash Flood in the Nanda Devi Biosphere Reserve, Garhwal Himalaya, India. <i>Journal of the Geological Society of India</i> , 2021, 97, 335-338.	0.5	31
16	Hydroclimatic influence on particle size distribution of suspended sediments evacuated from debris-covered Chorabari Glacier, upper Mandakini catchment, central Himalaya. <i>Geomorphology</i> , 2016, 265, 45-67.	1.1	29
17	Hydrometeorological assessments and suspended sediment delivery from a central Himalayan glacier in the upper Ganga basin. <i>International Journal of Sediment Research</i> , 2018, 33, 493-509.	1.8	29
18	Topographic and climatic influence on seasonal snow cover: Implications for the hydrology of ungauged Himalayan basins, India. <i>Journal of Hydrology</i> , 2020, 585, 124716.	2.3	29

#	ARTICLE	IF	CITATIONS
19	Analysis of Climate and Melt-runoff in Dunagiri Glacier of Garhwal Himalaya (India). <i>Water Resources Management</i> , 2014, 28, 3035-3055.	1.9	24
20	Hydroclimatic significance of stable isotopes in precipitation from glaciers of Garhwal Himalaya, Upper Ganga Basin (UGB), India. <i>Hydrological Processes</i> , 2018, 32, 1874-1893.	1.1	24
21	Glacier changes in Upper Tons River basin, Garhwal Himalaya, Uttarakhand, India. <i>Zeitschrift für Geomorphologie</i> , 2013, 57, 225-244.	0.3	17
22	Potential seismic precursors and surficial dynamics of a deadly Himalayan disaster: an early warning approach. <i>Scientific Reports</i> , 2022, 12, 3733.	1.6	16
23	Estimation of snow/glacier melt contribution in the upper part of the Beas River basin, Himachal Pradesh, using conventional and SNOWMOD modeling approach. <i>Journal of Water and Climate Change</i> , 2015, 6, 880-890.	1.2	10
24	Characteristics of surge-type tributary glaciers, Karakoram. <i>Geomorphology</i> , 2022, 403, 108161.	1.1	8
25	Stage-Discharge Relationship. <i>Encyclopedia of Earth Sciences Series</i> , 2011, , 1079-1081.	0.1	7
26	Time series analysis of hydrometeorological data for the characterization of meltwater storage in glaciers of Garhwal Himalaya. , 2021, , 373-388.		4
27	Assessment of water recharge source of geothermal systems in Garhwal Himalaya (India). <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	0.6	4
28	Evaluation of Ground Water Quality by Use of Water Quality Index in the Vicinity of the Rajaji National Park Haridwar, Uttarakhand, India. <i>Springer Hydrogeology</i> , 2021, , 343-356.	0.1	3
29	Decadal Response of Dokriani Glacier using High-resolution Hydrological Data, Indian Himalaya. <i>Journal of the Geological Society of India</i> , 2022, 98, 62-68.	0.5	3
30	Glacier Sediment Dynamics, Flux and Facies: A Perspective From the Indian Himalaya. , 2021, , .		0