

# Omvir Singh

## List of Publications by Year in descending order

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Version: 2024-02-01

49  
papers

898  
citations

471061

17  
h-index

500791

28  
g-index

50  
all docs

50  
docs citations

50  
times ranked

837  
citing authors

#	ARTICLE	IF	CITATIONS
1	Standardized precipitation index based dry and wet conditions over a dryland ecosystem of northwestern India. , 2022, 6, 252-264.		8
2	Recent rainfall variability over Rajasthan, India. Theoretical and Applied Climatology, 2022, 148, 363-381.	1.3	7
3	Understanding energy and groundwater irrigation nexus for sustainability over a highly irrigated ecosystem of north western India. Applied Water Science, 2022, 12, 1.	2.8	10
4	Variability and Trends in Temperature, Rainfall, and Discharge in a Western Himalayan Catchment. Springer Climate, 2022, , 29-45.	0.3	1
5	Understanding the Development and Progress of Extremely Severe Cyclonic Storm "Fani" Over the Bay of Bengal. Advances in Geographic Information Science, 2022, , 263-277.	0.3	0
6	Geoinformatics and analytic hierarchy process based drought vulnerability assessment over a dryland ecosystem of north-western India. Natural Hazards, 2022, 114, 1427-1454.	1.6	4
7	Mapping main risk areas of lightning fatalities between 2000 and 2020 over Odisha state (India): A diagnostic approach to reduce lightning fatalities using statistical and spatiotemporal analyses. International Journal of Disaster Risk Reduction, 2022, 79, 103145.	1.8	4
8	Impact evaluation of watershed management programmes in Siwalik Himalayas of Haryana, India. Environment, Development and Sustainability, 2021, 23, 5251-5276.	2.7	6
9	Association between climatic variables and COVID-19 pandemic in National Capital Territory of Delhi, India. Environment, Development and Sustainability, 2021, 23, 9514-9528.	2.7	25
10	Groundwater Hydrology in Arid Rewari District of Haryana: Assessment, Development and Management Options. Springer Hydrogeology, 2021, , 485-512.	0.1	1
11	Long-Term Groundwater Behaviour Over an Agriculturally Developed State of North-West India: Trend and Impact on Agriculture. , 2021, , 381-406.		0
12	Exploring Particle Size Transport Variability of Suspended Sediments in Two Alpine Catchments Over the Lesser Himalayan Region, India. Environmental Challenges and Solutions, 2021, , 259-275.	0.5	0
13	Trends and Pattern of Rainfall over Semi-arid Sahibi Basin in Rajasthan, India. Springer Climate, 2021, , 273-298.	0.3	0
14	Sediment and Nutrient Transfer from an Inter-montane Agricultural Catchment in Himachal Himalayas of Northwestern India. Journal of the Geological Society of India, 2021, 97, 282-292.	0.5	0
15	Active and inactive tropical cyclone years over the Bay of Bengal: 1972-2015. Journal of Earth System Science, 2021, 130, 1.	0.6	4
16	Exploring the trends and pattern of rainfall extremes over the semi-arid Sahibi basin in Rajasthan, India. Arabian Journal of Geosciences, 2021, 14, 1.	0.6	3
17	Characterization of meteorological drought over a dryland ecosystem in north western India. Natural Hazards, 2021, 109, 785-826.	1.6	6
18	Exploring spatial and temporal drought over the semi-arid Sahibi river basin in Rajasthan, India. Environmental Monitoring and Assessment, 2021, 193, 743.	1.3	7

#	ARTICLE	IF	CITATIONS
19	Analysis of Drivers of Trends in Groundwater Levels Under Rice-Wheat Ecosystem in Haryana, India. <i>Natural Resources Research</i> , 2020, 29, 1101-1126.	2.2	25
20	Groundwater irrigation market patterns and practices over an agriculturally developed province of north-west India. <i>Geo Journal</i> , 2020, 85, 703-729.	1.7	9
21	Climatological characteristics of Bay of Bengal tropical cyclones: 1972-2017. <i>Theoretical and Applied Climatology</i> , 2020, 139, 615-629.	1.3	38
22	Distribution of cold wave mortalities over India: 1978-2014. <i>International Journal of Disaster Risk Reduction</i> , 2020, 51, 101841.	1.8	8
23	Exploring seasonality and erosivity of rainfall over a lower Himachal Himalayan catchment, India. <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	0.6	1
24	Assessing rainfall erosivity and erosivity density over a western Himalayan catchment, India. <i>Journal of Earth System Science</i> , 2020, 129, 1.	0.6	13
25	Probabilistic assessment of tropical cyclones' extreme wind speed in the Bay of Bengal: implications for future cyclonic hazard. <i>Natural Hazards</i> , 2020, 101, 275-295.	1.6	12
26	Modulation of bay of bengal tropical cyclone activity by the madden-julian oscillation. <i>Atmospheric Research</i> , 2019, 229, 23-38.	1.8	25
27	Tropical cyclone activity over Bay of Bengal in relation to El Niño-Southern Oscillation. <i>International Journal of Climatology</i> , 2019, 39, 5452-5469.	1.5	36
28	Evaluating the influence of watershed characteristics on flood vulnerability of Markanda River basin in north-west India. <i>Natural Hazards</i> , 2019, 96, 247-268.	1.6	11
29	Spatial and temporal variations in the frequency of thunderstorm days over India. <i>Weather</i> , 2019, 74, 138-144.	0.6	14
30	Sand and gravel extraction from piedmont and floodplain zones of Yamunanagar district in Haryana, India: Environmental tragedy or economic gain?. <i>International Journal of Environmental Studies</i> , 2018, 75, 267-283.	0.7	5
31	Soil Erosion Susceptibility Assessment of the Lower Himachal Himalayan Watershed. <i>Journal of the Geological Society of India</i> , 2018, 92, 157-165.	0.5	24
32	Spatial and temporal analysis of thunderstorm and rainfall activity over India. <i>Atmosfera</i> , 2018, 31, 255-284.	0.3	10
33	Groundwater Irrigation Economy of Haryana:A Glimpse into Spread, Extent and Issues. <i>Journal of Rural Development</i> , 2018, 36, 531.	0.2	5
34	Spatial and temporal variations in thunderstorm casualties over India. <i>Singapore Journal of Tropical Geography</i> , 2017, 38, 293-312.	0.6	15
35	Soil erosion susceptibility assessment through geo-statistical multivariate approach in Panchkula district of Haryana, India. <i>Modeling Earth Systems and Environment</i> , 2017, 3, 733-753.	1.9	11
36	GIS-based spatial and temporal investigation of groundwater level fluctuations under rice-wheat ecosystem over Haryana. <i>Journal of the Geological Society of India</i> , 2017, 89, 554-562.	0.5	25

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37	Flood occurrences, damages, and management challenges in India: a geographical perspective. <i>Arabian Journal of Geosciences</i> , 2017, 10, 1.	0.6	34
38	Evaluation of pearl millet [ <i>Pennisetum glaucum</i> (L.) R. Br.] for grain iron and zinc content in different agro climatic zones of India. <i>Indian Journal of Genetics and Plant Breeding</i> , 2017, 77, 65.	0.2	16
39	Farmers' Perceptions and Satisfaction Levels on the Performance of Watershed Development Activities in the Morni Hill area of the Siwalik Himalayas in India. <i>Human Ecology</i> , 2016, 44, 91-104.	0.7	2
40	Lightning fatalities over India: 1979–2011. <i>Meteorological Applications</i> , 2015, 22, 770-778.	0.9	72
41	The response of farmers to the flood hazard under rice–wheat ecosystem in Somb basin of Haryana, India: an empirical study. <i>Natural Hazards</i> , 2015, 75, 795-811.	1.6	8
42	Flood events, fatalities and damages in India from 1978 to 2006. <i>Natural Hazards</i> , 2013, 69, 1815-1834.	1.6	83
43	On rising temperature trends at Dehradun in Doon valley of Uttarakhand, India. <i>Journal of Earth System Science</i> , 2013, 122, 613-622.	0.6	48
44	A survey of household domestic water consumption patterns in rural semi-arid village, India. <i>Geo Journal</i> , 2013, 78, 777-790.	1.7	41
45	Variability analysis of groundwater levels – AGIS-based case study. <i>Journal of the Indian Society of Remote Sensing</i> , 2010, 38, 355-364.	1.2	23
46	GIS based spatial distribution mapping and suitability evaluation of groundwater quality for domestic and agricultural purpose in Kaithal district, Haryana state, India. <i>Environmental Earth Sciences</i> , 2010, 61, 1587-1597.	1.3	30
47	Hypsometric Integral Estimation Methods and its Relevance on Erosion Status of North-Western Lesser Himalayan Watersheds. <i>Water Resources Management</i> , 2008, 22, 1545-1560.	1.9	126
48	Spatial and temporal variability of sediment and dissolved loads from two alpine watersheds of the Lesser Himalayas. <i>Catena</i> , 2008, 76, 27-35.	2.2	21
49	Comparison of a Subjective and a Physical Approach for Identification of Priority Areas for Soil and Water Management in a Watershed – A Case Study of Nagwan Watershed in Hazaribagh District of Jharkhand, India. <i>Environmental Modeling and Assessment</i> , 2004, 9, 115-127.	1.2	20