

# Tajdarul H Syed

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

2,733  
citations

304743

22  
h-index

345221

36  
g-index

40  
all docs

40  
docs citations

40  
times ranked

3117  
citing authors

#	ARTICLE	IF	CITATIONS
1	Glacier mass loss in the Alaknanda basin, Garhwal Himalaya on a decadal scale. <i>Geocarto International</i> , 2022, 37, 3014-3032.	3.5	12
2	Space-time evolution of land subsidence in the National Capital Region of India using ALOS-1 and Sentinel-1 SAR data: Evidence for groundwater overexploitation. <i>Journal of Hydrology</i> , 2022, 605, 127329.	5.4	24
3	Stable isotope and geochemical evidence on sources and mechanisms of groundwater recharge in the Nalanda-Rajgir Region of Eastern India. <i>Arabian Journal of Geosciences</i> , 2022, 15, 1.	1.3	0
4	Manifestation of topography and climate variations on long-term glacier changes in the Alaknanda Basin of Central Himalaya, India. <i>Geocarto International</i> , 2022, 37, 11010-11029.	3.5	4
5	Analysis of variations and controls of evapotranspiration over major Indian River Basins (1982â€“2014). <i>Science of the Total Environment</i> , 2021, 754, 141892.	8.0	17
6	The Seasonality of Global Land and Ocean Mass and the Changing Water Cycle. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091248.	4.0	11
7	Detecting and Analyzing the Evolution of Subsidence Due to Coal Fires in Jharia Coalfield, India Using Sentinel-1 SAR Data. <i>Remote Sensing</i> , 2021, 13, 1521.	4.0	10
8	Modeling the impact of rainfall variations and management interventions on the groundwater regime of a hard-rock terrain in central India. <i>Hydrogeology Journal</i> , 2020, 28, 1209-1227.	2.1	7
9	Utilizing combined deviations of precipitation and GRACE-based terrestrial water storage as a metric for drought characterization: A case study over major Indian river basins. <i>Journal of Hydrology</i> , 2019, 572, 294-307.	5.4	50
10	Remote sensing of coal fires in India: A review. <i>Earth-Science Reviews</i> , 2018, 187, 338-355.	9.1	40
11	Stable isotope systematics and geochemical signatures constraining groundwater hydraulics in the mining environment of the Korba Coalfield, Central India. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	2.7	24
12	Assessing controls on mass budget and surface velocity variations of glaciers in Western Himalaya. <i>Scientific Reports</i> , 2018, 8, 8885.	3.3	53
13	Area and mass changes of Siachen Glacier (East Karakoram). <i>Journal of Glaciology</i> , 2017, 63, 148-163.	2.2	45
14	Evaluation of groundwater quality in parts of the Southern Gangetic Plain using water quality indices. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	2.7	21
15	Recharge mechanism and processes controlling groundwater chemistry in a Precambrian sedimentary terrain: a case study from Central India. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	2.7	8
16	Characterizing Drought in India Using GRACE Observations of Terrestrial Water Storage Deficit. <i>Journal of Hydrometeorology</i> , 2017, 18, 381-396.	1.9	89
17	Assessment of potentially toxic trace elements contamination in groundwater resources of the coal mining area of the Korba Coalfield, Central India. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	2.7	79
18	Hydrogeochemical assessment of surface and groundwater resources of Korba coalfield, Central India: environmental implications. <i>Arabian Journal of Geosciences</i> , 2017, 10, 1.	1.3	31

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19	Satellite- and Reanalysis-Based Mass Balance Estimates of Global Continental Discharge (1993â€“2015). <i>Journal of Climate</i> , 2017, 30, 8481-8495.	3.2	17
20	Assessment of village-wise groundwater draft for irrigation: a field-based study in hard-rock aquifers of central India. <i>Hydrogeology Journal</i> , 2017, 25, 2513-2525.	2.1	15
21	Quantifying Changes in the Gangotri Glacier of Central Himalaya: Evidence for Increasing Mass Loss and Decreasing Velocity. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2017, 10, 5295-5306.	4.9	31
22	Hydrogeochemical characterization and quality assessment of groundwater in parts of Southern Gangetic Plain. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	2.7	44
23	Ice Thickness and Volume Estimates of Drang-Drung Glacier Using Remote Sensing. , 2016, , .		0
24	Characterization of groundwater potential and artificial recharge sites in Bokaro District, Jharkhand (India), using remote sensing and GIS-based techniques. <i>Environmental Earth Sciences</i> , 2015, 74, 4215-4232.	2.7	40
25	Diagnosing Land Water Storage Variations in Major Indian River Basins using GRACE observations. <i>Global and Planetary Change</i> , 2015, 133, 263-271.	3.5	48
26	Generation of High Resolution DEM of Gangotri Glacier Using Remote Sensing Techniques on ASTER Imagery. , 2015, , .		0
27	Assessing variability of evapotranspiration over the Ganga river basin using water balance computations. <i>Water Resources Research</i> , 2014, 50, 2551-2565.	4.2	40
28	Assessment of vulnerability to seawater intrusion and potential remediation measures for coastal aquifers: a case study from eastern India. <i>Environmental Earth Sciences</i> , 2013, 70, 1197-1209.	2.7	69
29	Recent changes in the snout position and surface velocity of Gangotri glacier observed from space. <i>International Journal of Remote Sensing</i> , 2013, 34, 8653-8668.	2.9	30
30	Monitoring subsurface coal fires in Jharia coalfield using observations of land subsidence from differential interferometric synthetic aperture radar (DInSAR). <i>Journal of Earth System Science</i> , 2013, 122, 1249-1258.	1.3	18
31	Satellites measure recent rates of groundwater depletion in California's Central Valley. <i>Geophysical Research Letters</i> , 2011, 38, .	4.0	703
32	Satellite-based global-ocean mass balance estimates of interannual variability and emerging trends in continental freshwater discharge. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 17916-17921.	7.1	136
33	Improving parameter estimation and water table depth simulation in a land surface model using GRACE water storage and estimated base flow data. <i>Water Resources Research</i> , 2010, 46, .	4.2	124
34	Evaluation of global land-to-ocean fresh water discharge and evapotranspiration using space-based observations. <i>Journal of Hydrology</i> , 2009, 373, 508-515.	5.4	22
35	GRACE-Based Estimates of Terrestrial Freshwater Discharge from Basin to Continental Scales. <i>Journal of Hydrometeorology</i> , 2009, 10, 22-40.	1.9	157
36	Analysis of terrestrial water storage changes from GRACE and GLDAS. <i>Water Resources Research</i> , 2008, 44, .	4.2	449

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37	Contemporary estimates of Panâ€Arctic freshwater discharge from GRACE and reanalysis. Geophysical Research Letters, 2007, 34, .	4.0	64
38	Total basin discharge for the Amazon and Mississippi River basins from GRACE and a land-atmosphere water balance. Geophysical Research Letters, 2005, 32, .	4.0	154
39	Analysis of process controls in land surface hydrological cycle over the continental United States. Journal of Geophysical Research, 2004, 109, n/a-n/a.	3.3	47