

Tajdarul H Syed

List of Publications by Year in descending order

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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	Satellites measure recent rates of groundwater depletion in California's Central Valley. <i>Geophysical Research Letters</i> , 2011, 38, .	4.0	703
2	Analysis of terrestrial water storage changes from GRACE and GLDAS. <i>Water Resources Research</i> , 2008, 44, .	4.2	449
3	GRACE-Based Estimates of Terrestrial Freshwater Discharge from Basin to Continental Scales. <i>Journal of Hydrometeorology</i> , 2009, 10, 22-40.	1.9	157
4	Total basin discharge for the Amazon and Mississippi River basins from GRACE and a land-atmosphere water balance. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	154
5	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
6	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
7	Characterizing Drought in India Using GRACE Observations of Terrestrial Water Storage Deficit. <i>Journal of Hydrometeorology</i> , 2017, 18, 381-396.	1.9	89
8	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
9	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
10	Contemporary estimates of Panâ€Arctic freshwater discharge from GRACE and reanalysis. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	64
11	Assessing controls on mass budget and surface velocity variations of glaciers in Western Himalaya. <i>Scientific Reports</i> , 2018, 8, 8885.	3.3	53
12	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
13	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
14	Analysis of process controls in land surface hydrological cycle over the continental United States. <i>Journal of Geophysical Research</i> , 2004, 109, n/a-n/a.	3.3	47
15	Area and mass changes of Siachen Glacier (East Karakoram). <i>Journal of Glaciology</i> , 2017, 63, 148-163.	2.2	45
16	Hydrogeochemical characterization and quality assessment of groundwater in parts of Southern Gangetic Plain. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	2.7	44
17	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
18	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

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19	Remote sensing of coal fires in India: A review. <i>Earth-Science Reviews</i> , 2018, 187, 338-355.	9.1	40
20	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
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	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
23	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
24	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
25	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
26	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
27	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
28	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
29	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
30	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
31	Glacier mass loss in the Alaknanda basin, Garhwal Himalaya on a decadal scale. <i>Geocarto International</i> , 2022, 37, 3014-3032.	3.5	12
32	The Seasonality of Global Land and Ocean Mass and the Changing Water Cycle. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091248.	4.0	11
33	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
34	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
35	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
36	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

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37	Generation of High Resolution DEM of Gangotri Glacier Using Remote Sensing Techniques on ASTER Imagery. , 2015, , .		0
38	Ice Thickness and Volume Estimates of Drang-Drung Glacier Using Remote Sensing. , 2016, , .		0
39	Stable isotope and geochemical evidence on sources and mechanisms of groundwater recharge in the Nalanda-Rajgir Region of Eastern India. Arabian Journal of Geosciences, 2022, 15, 1.	1.3	0