Ashutosh Sharma

List of Publications by Citations

19 papers	304 citations	10 h-index	17 g-index
20 ext. papers	442 ext. citations	4.3 avg, IF	4.55 L-index

#	Paper	IF	Citations
19	Probabilistic evaluation of vegetation drought likelihood and its implications to resilience across India. *Global and Planetary Change*, **2019**, 176, 23-35	4.2	47
18	District-level assessment of the ecohydrological resilience to hydroclimatic disturbances and its controlling factors in India. *Journal of Hydrology*, **2018**, 564, 1048-1057	6	38
17	Assessment of ecosystem resilience to hydroclimatic disturbances in India. *Global Change Biology*, **2018**, 24, e432-e441	11.4	35
16	Assessment of the impacts of climatic variability and anthropogenic stress on hydrologic resilience to warming shifts in Peninsular India. *Scientific Reports*, **2018**, 8, 13833	4.9	27
15	Assessment of drought trend and variability in India using wavelet transform. *Hydrological Sciences Journal*, **2020**, 65, 1539-1554	3.5	25
14	Assessment of the changes in precipitation and temperature in Teesta River basin in Indian Himalayan Region under climate change. *Atmospheric Research*, **2020**, 231, 104670	5.4	25
13	Projection of hydro-climatological changes over eastern Himalayan catchment by the evaluation of RegCM4 RCM and CMIP5 GCM models **2019**, 50, 117-137		22
12	Comparative Assessment of SWAT Model Performance in two Distinct Catchments under Various DEM Scenarios of Varying Resolution, Sources and Resampling Methods. *Water Resources Management*, **2018**, 32, 805-825	3.7	22
11	A fuzzy c-means approach regionalization for analysis of meteorological drought homogeneous regions in western India. *Natural Hazards*, **2016**, 84, 1831-1847	3	20
10	Assessment of future water provisioning and sediment load under climate and LULC change scenarios in a peninsular river basin, India. *Hydrological Sciences Journal*, **2019**, 64, 405-419	3.5	10
9	Transferring Hydrologic Data Across Continents Leveraging Data-Rich Regions to Improve Hydrologic Prediction in Data-Sparse Regions. *Water Resources Research*, **2021**, 57, e2020WR028600	5.4	8
8	Prediction of flow rate of karstic springs using support vector machines. *Hydrological Sciences Journal*, **2017**, 62, 2175-2186	3.5	7
7	Regional sustainable development of renewable natural resources using Net Primary Productivity on a global scale. *Ecological Indicators*, **2021**, 127, 107768	5.8	5
6	Bayesian network model for monthly rainfall forecast **2015**,		4
5	A Comparison of Three Soft Computing Techniques, Bayesian Regression, Support Vector Regression, and Wavelet Regression, for Monthly Rainfall Forecast. *Journal of Intelligent Systems*, **2017**, 26, 641-655	1.5	2
4	Bayesian network for monthly rainfall forecast: a comparison of K2 and MCMC algorithm. *International Journal of Computers and Applications*, **2016**, 38, 199-206	0.8	2
3	Critical Risk Indicators (CRIs) for the electric power grid: a survey and discussion of interconnected effects. *Environment Systems and Decisions*, **2021**, 1-22	4.1	2

2	Transferring hydrologic data across continents -- leveraging US data to improve hydrologic prediction in other countries		2
1	Evaluation of Gangetic dolphin habitat suitability under hydroclimatic changes using a coupled hydrological-hydrodynamic approach. *Ecological Informatics*, **2022**, 69, 101639	4.2	0