Santosh M Pingale

List of Publications by Year
in descending order

25 papers	747 citations	686830 13 h-index	610482 24 g-index
26 all docs	26 docs citations	26 times ranked	802 citing authors

#	Article	IF	Citations
1	Spatial and temporal trends of mean and extreme rainfall and temperature for the 33 urban centers of the arid and semi-arid state of Rajasthan, India. Atmospheric Research, 2014, 138, 73-90.	1.8	259
2	Assessment of the impact of climate change on surface hydrological processes using SWAT: a case study of Omo-Gibe river basin, Ethiopia. Modeling Earth Systems and Environment, 2016, 2, 1-15.	1.9	63
3	Impact of climate change on groundwater recharge and base flow in the sub-catchment of Tekeze basin, Ethiopia. Groundwater for Sustainable Development, 2018, 6, 121-133.	2.3	62
4	Trend analysis of climatic variables in an arid and semi-arid region of the Ajmer District, Rajasthan, India. Journal of Water and Land Development, 2016, 28, 3-18.	0.9	56
5	Integrated urban water management modelling under climate change scenarios. Resources, Conservation and Recycling, 2014, 83, 176-189.	5.3	45
6	Simulating the impact of land use/land cover change and climate variability on watershed hydrology in the Upper Brantas basin, Indonesia. Applied Geomatics, 2017, 9, 191-204.	1.2	32
7	Integrated water resources management under climate change scenarios in the sub-basin of Abaya-Chamo, Ethiopia. Modeling Earth Systems and Environment, 2018, 4, 221-240.	1.9	27
8	Assessment of Hydro-climatic Trends and Variability over the Black Volta Basin in Ghana. Earth Systems and Environment, 2020, 4, 739-755.	3.0	22
9	Assessing agricultural drought at a regional scale using LULC classification, SPI, and vegetation indices: case study in a rainfed agro-ecosystem in Central Mexico. Geomatics, Natural Hazards and Risk, 2016, 7, 1460-1488.	2.0	19
10	Flood hazard mapping under a climate change scenario in a Ribb catchment of Blue Nile River basin, Ethiopia. Applied Geomatics, 2019, 11, 147-160.	1.2	17
11	Modeling the rainfall-runoff using MIKE 11 NAM model in Shaya catchment, Ethiopia. Modeling Earth Systems and Environment, 2021, 7, 2545-2551.	1.9	17
12	Effect of land use/land cover changes on surface water availability in the Omo-Gibe basin, Ethiopia. Hydrological Sciences Journal, 2021, 66, 1936-1962.	1.2	17
13	Trends and Non-Stationarity in Groundwater Level Changes in Rapidly Developing Indian Cities. Water (Switzerland), 2020, 12, 3209.	1.2	16
14	Impact of land use/land cover change on stream flow in the Shaya catchment of Ethiopia using the MIKE SHE model. Arabian Journal of Geosciences, 2021, 14, 1.	0.6	16
15	Implications of spatial scale on climate change assessments. Journal of Water and Land Development, 2015, 26, 37-55.	0.9	14
16	GISâ€Based Surface Irrigation Potential Assessment for Ethiopian River Basin. Irrigation and Drainage, 2019, 68, 607-616.	0.8	12
17	Analysis of trends in rainfall and dry/wet years over a century in the Eastern Ganga Canal command. Meteorological Applications, 2018, 25, 561-574.	0.9	11
18	Impact of climate change on surface water availability and crop water demand for the sub-watershed of Abbay Basin, Ethiopia. Sustainable Water Resources Management, 2019, 5, 1859-1875.	1.0	11

#	Article	IF	Citations
19	High accuracy Land Use Land Cover (LULC) maps for detecting agricultural drought effects in rainfed agro-ecosystems in central Mexico. Journal of Water and Land Development, 2015, 26, 19-35.	0.9	9
20	Landscape changes and its consequences on soil erosion in Baro river basin, Ethiopia. Modeling Earth Systems and Environment, 2018, 4, 793-803.	1.9	6
21	Assessment of spatial and temporal distribution of surface water balance in a data-scarce African transboundary river basin. Hydrological Sciences Journal, 2022, 67, 1561-1581.	1.2	6
22	An integration of geospatial and machine learning techniques for mapping groundwater potential: a case study of the Shipra river basin, India. Arabian Journal of Geosciences, 2021, 14, 1.	0.6	4
23	Streamflow regionalisation of an ungauged catchment with machine learning approaches. Hydrological Sciences Journal, 2022, 67, 886-897.	1.2	4
24	Hydrologic and hydrogeologic analyses of an alluvial aquifer underlying Kushabhadra-Bhargavi River basin, Odisha, India. Arabian Journal of Geosciences, 2016, 9, 1.	0.6	1
25	Fuzzy logic rule-based modelling of natural spring flow in a hilly catchment of Tehri-Garhwal district, Uttarakhand, India. International Journal of Hydrology Science and Technology, 2013, 3, 289.	0.2	0