

Details of Publications having Minimum 10 Citations (as in May 2023)

SI No	Publication title	Publication details	No. of Citations		
			Scopus	Web of science	Google Scholar
†1	Downscaling of precipitation for climate change scenarios: A support vector machine approach	Journal of Hydrology, (Vol.330, Issues 3-4, 15 November 2006, Pages 621-640)	421	356	657
2	Regionalization of watersheds by hybrid-cluster analysis	Journal of Hydrology, (Volume 318, Issues 1-4, 1 March 2006, Pages 37-56)	169	157	293
3	Downscaling precipitation to river basin in India for IPCC SRES scenarios using support vector machine	International Journal of Climatology, (Vol. 28, Issue 3, March 2008, Pages 401-420)	185	157	288
4	Regionalization of watersheds by fuzzy cluster analysis	Journal of Hydrology (Vol.318, Issues 1-4, 1 March 2006, Pages 57-79)	155	136	221
5	Regional flood frequency analysis by combining self-organizing feature map and fuzzy clustering	Journal of Hydrology (Vol. 348, Issues 1-2, January 2008, Pages 148-166)	123	97	174
6	Role of predictors in downscaling surface temperature to river basin in India for IPCC SRES scenarios using support vector machine	International Journal of Climatology (Vol.29, Issue 4, March 2009, pp.583-603)	93	82	134
7	Regionalization of watersheds: an approach based on cluster analysis	Text book published by Springer in 2008	89	18	124
*8	Hybrid moving block bootstrap for stochastic simulation of multi-site multi-season streamflows	Journal of Hydrology, (Vol. 302, Issues 1-4, 1 February 2005, Pages 307-330)	63	58	91
9	Regional frequency analysis of precipitation using large-scale atmospheric variables	Journal of Geophysical Research - Atmospheres, American Geophysical Union, Vol. 113, D24110, December 2008	72	62	97
10	Regionalization of precipitation in data sparse areas using large scale atmospheric variables–A fuzzy clustering approach	Journal of Hydrology (Vol. 405, Issues 3-4, August 2011, 462-473)	54	47	72
11	Post-blackening approach for modeling dependent annual streamflows	Journal of Hydrology, (Vol. 230, Issues 1-2, 28 April 2000, Pages 86-126)	35	29	53
12	Regional flood frequency analysis using kernel-based fuzzy clustering approach	Water Resources Research 50 (4), (Vol. 50, Issue 4, April 2014, 3295–3316)	45	43	52
13	Bivariate frequency analysis of floods using a diffusion based kernel density estimator	Water Resources Research (Vol. 49, Issue 12, December 2013, Pages 8328-8343)	38	36	47
14	Evaluating methods to predict streamflow at ungauged sites using regional flow duration curves: A case study	Aquatic Procedia (Vol.4, 2015, Pages 641-648)	19	23	43

†Placed in the top 1% of the relevant academic fields (Engineering Civil, Water Resources; Geosciences Multidisciplinary) based on citations by “Web of Science” (Publication with SN.1)

* Recommended by New Zealand electricity commission for benchmarking models in 2004 [Ref: Harte, D., Pickup, M., Thomson, P. J. (2004). *Stochastic models for hydro catchment inflows: an exploratory analysis. A report commissioned by the New Zealand Electricity Commission, November 2004*]. (Publication with SN.8)

(Table continued...)

SI No	Publication title	Publication details	No. of Citations		
			Scopus	Web of science	Google Scholar
15	Hybrid matched-block bootstrap for stochastic simulation of multiseason streamflows	Journal of Hydrology (Vol.329, Issues 1-2, September 2006, 1-15)	25	22	37
16	Probable maximum precipitation estimation for catchments in Mahanadi river basin	Aquatic Procedia (Vol.4, 2015, Pages 892-899)	16	17	36
17	Delineation of homogeneous hydrometeorological regions using wavelet-based global fuzzy cluster analysis	International Journal of Climatology (Vol.35, Issue 15, December 2015, Pages 4707-4727)	23	20	34
18	Post-blackening approach for modeling periodic streamflows	Journal of Hydrology, (Vol. 241, Issues 3-4, 31 January 2001, Pages 221-269)	25	25	34
19	A nonlinear data-driven model for synthetic generation of annual streamflows	Hydrological processes (Vol.22, Issue 12, June 2008, 1831-1845)	23	21	32
20	A hybrid stochastic model for multiseason streamflow simulation	Water Resources Research, (Vol. 37, No. 10, October 2001, Pages 2537-2549)	24	21	31
21	Matched block bootstrap for resampling multiseason hydrologic time series	Hydrological Processes, (Vol.19, Issue 18, November 2005, Pages 3659-3682)	22	20	28
22	Regional Flood Frequency Analysis Using Entropy-Based Clustering Approach	Journal of Hydrologic Engineering (Vol. 21(8), August 2016, 04016020)	16	11	25
23	Multi-site downscaling of maximum and minimum daily temperature using support vector machine	International Journal of Climatology (Vol. 34, Issue 5, April 2014, Pages 1538-1560)	19	17	25
24	Effect of DEM source on equivalent Horton–Strahler ratio based GIUH for catchments in two Indian river basins	Journal of Hydrology 528, 463-489	18	16	24
25	Regionalization of extreme rainfall in India	International Journal of Climatology (Vol. 35, Issue 6, May 2015, Pages 1142-1156)	19	16	23
26	Formulation of a mathematical approach to regional frequency analysis	Water Resources Research 49 (10), 6810-6833	22	21	23
27	Regionalization of precipitation in India—a review	Journal of the Indian Institute of Science (Vol.93, Issue 2, Sep. 2013, Pages 153-162)	14	11	21
28	Analytical approach to quantile estimation in regional frequency analysis based on fuzzy framework	Journal of Hydrology (Vol.524, May 2015, Pages 30-43)	19	19	20
29	A recursive multi-scaling approach to regional flood frequency analysis	Journal of Hydrology 529, 373-383	15	15	19
30	Characteristics of the monsoon low pressure systems in the Indian subcontinent and the associated extreme precipitation events	Climate Dynamics, 56(5-6), pp. 1859-1878	10	9	16
31	Evaluation of the index-flood approach related regional frequency analysis procedures	Journal of Hydrologic Engineering (Vol.21(1), January 2016, 04015052)	13	7	16

(Table continued...)

SI No	Publication title	Publication details	No. of Citations		
			Scopus	Web of science	Google Scholar
32	Reliability assessment of a storm water drain network	Aquatic Procedia 4, 772-779	10	9	14
33	Daily relative humidity projections in an Indian river basin for IPCC SRES scenarios	Theoretical and applied Climatology (Vol.108 (1-2), April 2012, Pages 85-104)	11	10	12
34	A fuzzy entropy approach for design of hydrometric monitoring networks	Journal of Hydrology 586, 124797	10	9	12
35	Regionalization based envelope curves for PMP estimation by Hershfield method	International Journal of Climatology 37 (10), 3767-3779	9	9	12
36	Delineation of homogeneous temperature regions: a two-stage clustering approach	International Journal of Climatology (Vol. 36(1), January 2016, Pages 165-187)	9	9	12
37	Some problems in regionalization of watersheds	International Association of Hydrological Sciences, Publication, 301-308	6	6	12
38	A fuzzy approach to reliability based design of storm water drain network	Stochastic Environmental Research and Risk Assessment 31, 1091-1106	7	7	11
39	A Mahalanobis distance based automatic threshold selection method for Peaks Over Threshold (POT) model	Water Resources Research 57 (1), e2020WR027534	9	6	10

ISI Web of Science: h-index =20; i10=30
 Google scholar: h-index=24; i10=39

Scopus: h-index=21; i10= 34