Poulomi Ganguli

List of Publications by Year
in descending order

27	1,082	471061	580395
papers	citations	17 h-index	25 g-index

37	37	37	1176
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Application of copulas for derivation of drought severityâ€“durationâ€“frequency curves. Hydrological Processes, 2012, 26, 1672-1685.	1.1	119
2	Bivariate Flood Frequency Analysis of Upper Godavari River Flows Using Archimedean Copulas. Water Resources Management, 2012, 26, 3995-4018.	1.9	113
3	Risk Assessment of Droughts in Gujarat Using Bivariate Copulas. Water Resources Management, 2012, 26, 3301-3327.	1.9	92
4	Probabilistic assessment of flood risks using trivariate copulas. Theoretical and Applied Climatology, 2013, 111, 341-360.	1.3	91
5	Ensemble prediction of regional droughts using climate inputs and the SVMâ€“copula approach. Hydrological Processes, 2014, 28, 4989-5009.	1.1	88
6	Evaluation of trends and multivariate frequency analysis of droughts in three meteorological subdivisions of western India. International Journal of Climatology, 2014, 34, 911-928.	1.5	85
7	Does nonstationarity in rainfall require nonstationary intensityâ€“durationâ€“frequency curves?. Hydrology and Earth System Sciences, 2017, 21, 6461-6483.	1.9	79
8	Extreme Coastal Water Levels Exacerbate Fluvial Flood Hazards in Northwestern Europe. Scientific Reports, 2019, 9, 13165.	1.6	51
9	Spatio-temporal analysis and derivation of copula-based intensityâ€“areaâ€“frequency curves for droughts in western Rajasthan (India). Stochastic Environmental Research and Risk Assessment, 2013, 27, 1975-1989.	1.9	45
10	Toward enhanced understanding and projections of climate extremes using physics-guided data mining techniques. Nonlinear Processes in Geophysics, 2014, 21, 777-795.	0.6	40
11	Space-time trends in U.S. meteorological droughts. Journal of Hydrology: Regional Studies, 2016, 8, 235-259.	1.0	39
12	US Power Production at Risk from Water Stress in a Changing Climate. Scientific Reports, 2017, 7, 11983.	1.6	36
13	Trends in Compound Flooding in Northwestern Europe During 1901â€“2014. Geophysical Research Letters, 2019, 46, 10810-10820.	1.5	32
14	Projected Changes in Compound Flood Hazard From Riverine and Coastal Floods in Northwestern Europe. Earth's Future, 2020, 8, e2020EF001752.	2.4	31
15	Risk Assessment of Hydroclimatic Variability on Groundwater Levels in the Manjara Basin Aquifer in India Using Archimedean Copulas. Journal of Hydrologic Engineering - ASCE, 2012, 17, 1345-1357.	0.8	25
16	Assessment of future changes in intensity-duration-frequency curves for Southern Ontario using North American (NA)-CORDEX models with nonstationary methods. Journal of Hydrology: Regional Studies, 2019, 22, 100587.	1.0	21
17	Analysis of ENSO-based climate variability in modulating drought risks over western Rajasthan in India. Journal of Earth System Science, 2013, 122, 253-269.	0.6	19
18	Analysis of persistence in the flood timing and the role of catchment wetness on flood generation in a large river basin in India. Theoretical and Applied Climatology, 2020, 139, 373-388.	1.3	16

#	Article	IF	Citations
19	Climate-catchment-soil control on hydrological droughts in peninsular India. Scientific Reports, 2022, 12, 8014.	1.6	14
20	Understanding the impacts of predecessor rain events on flood hazard in a changing climate. Hydrological Processes, 2022, 36, .	1.1	12
21	Climate Adaptation Informatics: Water Stress on Power Production. Computing in Science and Engineering, 2015, 17, 53-60.	1.2	11
22	Robustness of Meteorological Droughts in Dynamically Downscaled Climate Simulations. Journal of the American Water Resources Association, 2016, 52, 138-167.	1.0	7
23	Amplified risk of compound heat stress-dry spells in Urban India. Climate Dynamics, 2023, 60, 1061-1078.	1.7	7
24	Probabilistic analysis of extreme droughts in Southern Maharashtra using bivariate copulas. ISH Journal of Hydraulic Engineering, 2014, 20, 90-101.	1.1	2
25	Understanding flood regime changes of the Mahanadi River. ISH Journal of Hydraulic Engineering, 2023, 29, 389-402.	1.1	2
26	Climate and Human Stresses on the Water-Energy-Food Nexus. , 2017, , 179-188.		1
27	Climate and Human Stresses on the Water-Energy-Food Nexus. , 2016, , 1-9.		0