

Maheswaran Rathinasamy

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

43
papers

982
citations

18
h-index

30
g-index

47
ext. papers

1,259
ext. citations

3.8
avg, IF

4.85
L-index

#	Paper	IF	Citations
43	Framework for developing IDF curves using satellite precipitation: a case study using GPM-IMERG V6 data. <i>Earth Science Informatics</i> , 2022 , 15, 671	2.5	2
42	Quantile-based Bayesian Model Averaging approach towards merging of precipitation products. <i>Journal of Hydrology</i> , 2021 , 127206	6	2
41	Multiscale Spatiotemporal Analysis of Extreme Events in the Gomati River Basin, India. <i>Atmosphere</i> , 2021 , 12, 480	2.7	4
40	Game-theoretic-based modelling of Krishna waters dispute: equilibrium solutions by Metagame Analysis. <i>European Physical Journal B</i> , 2021 , 94, 1	1.2	1
39	Game theoretic-based modelling of Krishna waters dispute: equilibrium solutions by hypergame analysis. <i>European Physical Journal B</i> , 2021 , 94, 1	1.2	1
38	Intercomparison of downscaling methods for daily precipitation with emphasis on wavelet-based hybrid models. <i>Journal of Hydrology</i> , 2021 , 599, 126373	6	2
37	Performance of based microscale vertical flow constructed wetland under tropical conditions for domestic wastewater treatment. <i>International Journal of Phytoremediation</i> , 2021 , 1-11	3.9	1
36	Optimal design of hydrometric station networks based on complex network analysis. <i>Hydrology and Earth System Sciences</i> , 2020 , 24, 2235-2251	5.5	19
35	Forecasting of extreme flood events using different satellite precipitation products and wavelet-based machine learning methods. <i>Chaos</i> , 2020 , 30, 063115	3.3	15
34	Wavelet entropy-based evaluation of intrinsic predictability of time series. <i>Chaos</i> , 2020 , 30, 033117	3.3	17
33	Accounting for temporal variability for improved precipitation regionalization based on self-organizing map coupled with information theory. <i>Journal of Hydrology</i> , 2020 , 590, 125236	6	12
32	Spatiotemporal variability of Indian rainfall using multiscale entropy. <i>Journal of Hydrology</i> , 2020 , 587, 124916	6	18
31	Comparison of different digital elevation models for drainage morphometric parameters: a case study from South India. <i>Arabian Journal of Geosciences</i> , 2020 , 13, 1	1.8	5
30	Inter-Comparison of Gauge-Based Gridded Data, Reanalysis and Satellite Precipitation Product with an Emphasis on Hydrological Modeling. <i>Atmosphere</i> , 2020 , 11, 1252	2.7	5
29	A novel method to improve vertical accuracy of CARTOSAT DEM using machine learning models. <i>Earth Science Informatics</i> , 2020 , 13, 1139-1150	2.5	2
28	Network-based identification and characterization of teleconnections on different scales. <i>Scientific Reports</i> , 2019 , 9, 8808	4.9	27
27	Unravelling the spatial diversity of Indian precipitation teleconnections via a non-linear multi-scale approach. <i>Nonlinear Processes in Geophysics</i> , 2019 , 26, 251-266	2.9	27

26	Wavelet analysis of precipitation extremes over India and teleconnections to climate indices. <i>Stochastic Environmental Research and Risk Assessment</i> , 2019 , 33, 2053-2069	3.5	19
25	Assessment of water balance for a forest dominated coastal river basin in India using a semi distributed hydrological model. <i>Modeling Earth Systems and Environment</i> , 2018 , 4, 127-140	3.2	8
24	Application of multi-scale wavelet entropy and multi-resolution Volterra models for climatic downscaling. <i>Journal of Hydrology</i> , 2018 , 556, 1078-1095	6	23
23	Wavelet-based multiscale similarity measure for complex networks. <i>European Physical Journal B</i> , 2018 , 91, 1	1.2	11
22	Quantifying the roles of single stations within homogeneous regions using complex network analysis. <i>Journal of Hydrology</i> , 2018 , 563, 802-810	6	27
21	Investigation of the scaling characteristics of LANDSAT temperature and vegetation data: a wavelet-based approach. <i>International Journal of Biometeorology</i> , 2017 , 61, 1709-1721	3.7	2
20	Multi-scale event synchronization analysis for unravelling climate processes: a wavelet-based approach. <i>Nonlinear Processes in Geophysics</i> , 2017 , 24, 599-611	2.9	33
19	A non-linear and non-stationary perspective for downscaling mean monthly temperature: a wavelet coupled second order Volterra model. <i>Stochastic Environmental Research and Risk Assessment</i> , 2017 , 31, 2159-2181	3.5	9
18	Wavelet Spectrum and Self-Organizing Maps-Based Approach for Hydrologic Regionalization -a Case Study in the Western United States. <i>Water Resources Management</i> , 2016 , 30, 4399-4413	3.7	30
17	Bootstrap rank-ordered conditional mutual information (broCMI): A nonlinear input variable selection method for water resources modeling. <i>Water Resources Research</i> , 2016 , 52, 2299-2326	5.4	54
16	Hydrologic regionalization using wavelet-based multiscale entropy method. <i>Journal of Hydrology</i> , 2016 , 538, 22-32	6	62
15	Developing intensity duration frequency curves based on scaling theory using linear probability weighted moments: A case study from India. <i>Journal of Hydrology</i> , 2016 , 542, 850-859	6	10
14	Regional scale groundwater modelling study for Ganga River basin. <i>Journal of Hydrology</i> , 2016 , 541, 727-741	6	24
13	Wavelet Volterra Coupled Models for forecasting of nonlinear and non-stationary time series. <i>Neurocomputing</i> , 2015 , 149, 1074-1084	5.4	14
12	Wavelet-based multiscale performance analysis: An approach to assess and improve hydrological models. <i>Water Resources Research</i> , 2014 , 50, 9721-9737	5.4	50
11	A Wavelet-Based Second Order Nonlinear Model for Forecasting Monthly Rainfall. <i>Water Resources Management</i> , 2014 , 28, 5411-5431	3.7	11
10	A hybrid SVM-PSO model for forecasting monthly streamflow. <i>Neural Computing and Applications</i> , 2014 , 24, 1381-1389	4.8	84
9	Long term forecasting of groundwater levels with evidence of non-stationary and nonlinear characteristics. <i>Computers and Geosciences</i> , 2013 , 52, 422-436	4.5	42

8	Multiscale streamflow forecasting using a new Bayesian Model Average based ensemble multi-wavelet Volterra nonlinear method. <i>Journal of Hydrology</i> , 2013 , 507, 186-200	6	68
7	Wavelets-based non-linear model for real-time daily flow forecasting in Krishna River. <i>Journal of Hydroinformatics</i> , 2013 , 15, 1022-1041	2.6	27
6	Wavelet-Volterra coupled model for monthly stream flow forecasting. <i>Journal of Hydrology</i> , 2012 , 450-451, 320-335	6	55
5	Comparative study of different wavelets for hydrologic forecasting. <i>Computers and Geosciences</i> , 2012 , 46, 284-295	4.5	134
4	Multiscale nonlinear model for monthly streamflow forecasting: a wavelet-based approach. <i>Journal of Hydroinformatics</i> , 2012 , 14, 424-442	2.6	15
3	Multi Resolution Genetic Programming Approach for Stream Flow Forecasting. <i>Lecture Notes in Computer Science</i> , 2011 , 714-722	0.9	2
2	Investigating the working efficiency of natural wastewater treatment systems: A step towards sustainable systems. <i>Water Practice and Technology</i> ,	0.9	3
1	Ranking and characterization of precipitation extremes for the past 113 years for Indian western Himalayas. <i>International Journal of Climatology</i> ,	3.5	4