Adarsh S

List of Publications by Year
in descending order

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72	865	516215 16	580395 25
papers	citations	h-index	g-index

73	73	73	702
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Spatiotemporal Analysis of Drought Persistence of Peninsular India. Lecture Notes in Civil Engineering, 2022, , 253-264.	0.3	0
2	Multiscale coherence analysis of reference evapotranspiration of north-western Iran using wavelet transform. Journal of Water and Climate Change, 2022, 13, 505-521.	1.2	15
3	Investigating the multiscale teleconnections of Maddenâ€“Julian oscillation and monthly rainfall using time-dependent intrinsic cross-correlation. Natural Hazards, 2022, 112, 1795-1822.	1.6	2
4	Investigating the Drought Teleconnections of Peninsular India Using Partial and Multiple Wavelet Coherence. Lecture Notes in Civil Engineering, 2022, , 511-523.	0.3	2
5	A multivariate EMD-LSTM model aided with Time Dependent Intrinsic Cross-Correlation for monthly rainfall prediction. Applied Soft Computing Journal, 2022, 123, 108941.	4.1	29
6	On the detection and attribution of streamflow persistence of rivers in Peninsular India. Acta Geophysica, 2022, 70, 1373-1383.	1.0	2
7	Modeling future irrigation water demands in the context of climate change: a case study of Jayakwadi command area, India. Modeling Earth Systems and Environment, 2021, 7, 1963-1977.	1.9	24
8	Multifractal fingerprinting of fine resolution daily gridded rainfall of Kerala meteorological subdivision, India using detrended fluctuation analysis. AIP Conference Proceedings, 2021, , .	0.3	0
9	Ranking of gridded precipitation datasets by merging compromise programming and global performance index: a case study of the Amu Darya basin. Theoretical and Applied Climatology, 2021, 144, 985-999.	1.3	17
10	Hybridized Deep Learning Model for Perfobond Rib Shear Strength Connector Prediction. Complexity, 2021, 2021, 1-21.	0.9	11
11	Flood prediction based on climatic signals using wavelet neural network. Acta Geophysica, 2021, 69, 1413-1426.	1.0	14
12	Spatiotemporal variability of multifractal properties of fineresolution daily gridded rainfall fields over India. Natural Hazards, 2021, 106, 1951-1979.	1.6	9
13	Air quality in five major cities of India induced by the COVID-19 pandemic lockdown. Toxicological and Environmental Chemistry, 2021, 103, 50-55.	0.6	0
14	Liquefaction Susceptibility Mapping of Kollam Coastal Stretch, Kerala, Considering Geotechnical Parameters. Lecture Notes in Civil Engineering, 2021, , 471-480.	0.3	1
15	Strain Energy-Based Modeling of Soil Liquefaction Using Data-Driven Techniques. Lecture Notes in Civil Engineering, 2021, , 727-737.	0.3	0
16	Multifractal characterization and cross correlations of reference evapotranspiration time series of India. European Physical Journal: Special Topics, 2021, 230, 3845-3859.	1.2	5
17	Investigation and comparison of one-dimensional (1-D) analytical models prediction for salt intrusion condition in two selected estuaries. Marine Georesources and Geotechnology, 2020, 38, 374-384.	1.2	1
18	Multiscale running correlation analysis of water quality datasets of Noyyal River, India, using the Hilbertâ€“Huang Transform. International Journal of Environmental Science and Technology, 2020, 17, 1251-1270.	1.8	9

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19	A predictive model for salt intrusion in estuaries applied to the Muthupet estuary (India) and Bouregreg estuary (Morocco). ISH Journal of Hydraulic Engineering, 2020, 26, 430-447.	1.1	7
20	Multiscale modelling of monthly streamflows using MEMD-GP coupled approach. International Journal of River Basin Management, 2020, 18, 139-151.	1.5	0
21	Implications of turbulence shear by non-cohesive sediments on the break-up of kaolin flocs. Regional Studies in Marine Science, 2020, 39, 101427.	0.4	2
22	Application of artificial intelligence techniques in prediction of cyclic resistance ratio (CRR) of clean sands. IOP Conference Series: Earth and Environmental Science, 2020, 491, 012048.	0.2	0
23	A novel approach for predicting daily pan evaporation in the coastal regions of Iran using support vector regression coupled with krill herd algorithm model. Theoretical and Applied Climatology, 2020, 142, 349-367.	1.3	32
24	An investigation into the impact of reservoir management Kerala floods 2018: A case study of the Kakki reservoir. IOP Conference Series: Earth and Environmental Science, 2020, 491, 012005.	0.2	2
25	Analyzing the streamflow-sediment links of three major river basins in India using multifractal theory. IOP Conference Series: Earth and Environmental Science, 2020, 491, 012006.	0.2	0
26	Incorporation of non-stationarity in precipitation intensity-duration-frequency curves for Kerala, India. IOP Conference Series: Earth and Environmental Science, 2020, 491, 012013.	0.2	4
27	An investigation on drought teleconnection with indian ocean dipole and el-nino southern oscillation for peninsular india using time dependent intrinsic correlation. IOP Conference Series: Earth and Environmental Science, 2020, 491, 012007.	0.2	3
28	Multifractal Cross Correlation Analysis of Agro-Meteorological Datasets (Including Reference) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382	1.0	8
29	Assessment of hydrogeochemical processes in the aquifers of Coimbatore city, India with special reference to nickel contamination. Groundwater for Sustainable Development, 2020, 11, 100393.	2.3	3
30	Adaptive EEMD-ANN hybrid model for Indian summer monsoon rainfall forecasting. Theoretical and Applied Climatology, 2020, 141, 1-17.	1.3	24
31	Spatial downscaling of radar-derived rainfall field by two-dimensional wavelet transform. Hydrology Research, 2020, 51, 456-469.	1.1	2
32	On the complexities of sediment load modeling using integrative machine learning: Application of the great river of LoÃza in Puerto Rico. Journal of Hydrology, 2020, 585, 124759.	2.3	39
33	Multifractal description of streamflow and suspended sediment concentration data from Indian river basins. Acta Geophysica, 2020, 68, 519-535.	1.0	16
34	Multifractal description of daily rainfall fields over India. Journal of Hydrology, 2020, 586, 124913.	2.3	37
35	RANKING OF CMIP5-BASED GENERAL CIRCULATION MODELS USING COMPROMISE PROGRAMMING AND TOPSIS FOR PRECIPITATION: A CASE STUDY OF UPPER GODAVARI BASIN, INDIA. International Journal of Big Data Mining for Global Warming, 2020, 02, 2050007.	0.5	6
36	Links Between Global Climate Teleconnections and Indian Monsoon Rainfall. , 2019, , 61-72.		10

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37	Empirical forecasting and Indian Ocean dipole teleconnections of southâ€“west monsoon rainfall in Kerala. Meteorology and Atmospheric Physics, 2019, 131, 1055-1065.	0.9	14
38	Unravelling the scaling characteristics of daily streamflows of Brahmani river basin, India, using arbitrary-order Hilbert spectral and detrended fluctuation analyses. SN Applied Sciences, 2019, 1, 1.	1.5	6
39	Modeling the concurrent impact of extreme rainfall and reservoir storage on Kerala floods 2018: a Copula approach. Modeling Earth Systems and Environment, 2019, 5, 1283-1296.	1.9	16
40	Multifractal characterization of meteorological drought in India using detrended fluctuation analysis. International Journal of Climatology, 2019, 39, 4234-4255.	1.5	37
41	Multiscale Characterization and Prediction of Reservoir Inflows Using MEMD-SLR Coupled Approach. Journal of Hydrologic Engineering - ASCE, 2019, 24, .	0.8	17
42	Evaluation of trends and predictability of shortâ€term droughts in three meteorological subdivisions of India using multivariate EMDâ€based hybrid modelling. Hydrological Processes, 2019, 33, 130-143.	1.1	24
43	Developing hourly intensity duration frequency curves for urban areas in India using multivariate empirical mode decomposition and scaling theory. Stochastic Environmental Research and Risk Assessment, 2018, 32, 1889-1902.	1.9	23
44	Developing Short Term Drought Severity-Duration-Frequency Curves for Kerala Meteorological Subdivision, India Using Bivariate Copulas. KSCE Journal of Civil Engineering, 2018, 22, 962-973.	0.9	13
45	Scale dependent prediction of reference evapotranspiration based on Multi-Variate Empirical mode decomposition. Ain Shams Engineering Journal, 2018, 9, 1839-1848.	3.5	20
46	Multiscale characterization and prediction of monsoon rainfall in India using Hilbertâ€“Huang transform and time-dependent intrinsic correlation analysis. Meteorology and Atmospheric Physics, 2018, 130, 667-688.	0.9	44
47	Developing stageâ€“discharge relationships using multivariate empirical mode decomposition-based hybrid modeling. Applied Water Science, 2018, 8, 1.	2.8	3
48	Analyzing the Hydrologic Variability of Kallada River, India Using Continuous Wavelet Transform and Fractal Theory. Water Conservation Science and Engineering, 2018, 3, 305-319.	0.9	7
49	Multiscale Modelling of Daily Suspended Sediment Load Using MEMD-SLR Coupled Approach. Advances in Computational Intelligence and Robotics Book Series, 2018, , 264-275.	0.4	0
50	Unveiling the multiscale teleconnection between Pacific Decadal Oscillation and global surface temperature using time-dependent intrinsic correlation analysis. International Journal of Climatology, 2017, 37, 548-558.	1.5	8
51	Investigating the multiscale variability and teleconnections of extreme temperature over Southern India using the Hilbertâ€“Huang transform. Modeling Earth Systems and Environment, 2017, 3, 1.	1.9	6
52	Analyzing the non-linear trend and multiscale teleconnections of regional monsoon indices using empirical mode decomposition. Modeling Earth Systems and Environment, 2017, 3, 669-682.	1.9	2
53	Multiscale characterization of streamflow and suspended sediment concentration data using Hilbertâ€“Huang transform and time dependent intrinsic correlation analysis. Modeling Earth Systems and Environment, 2016, 2, 1-17.	1.9	14
54	Analyzing the Hydroclimatic Teleconnections of Summer Monsoon Rainfall in Kerala, India, Using Multivariate Empirical Mode Decomposition and Time-Dependent Intrinsic Correlation. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1221-1225.	1.4	28

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55	Analysing the Variability of Streamflow and Suspended Sediment Concentration Using Time Dependent Intrinsic Correlation. Procedia Technology, 2016, 24, 54-61.	1.1	1
56	Trend analysis of sediment flux time series from tropical river basins in India using non-parametric tests and multiscale decomposition. Modeling Earth Systems and Environment, 2016, 2, 1-16.	1.9	6
57	Timeâ€“frequency characterization of sub-divisional scale seasonal rainfall in India using the Hilbertâ€“Huang transform. Stochastic Environmental Research and Risk Assessment, 2016, 30, 1063-1085.	1.9	22
58	Gravitational search algorithm for probabilistic design of HBPS canals. ISH Journal of Hydraulic Engineering, 2015, 21, 290-297.	1.1	3
59	Multiscale Analysis of Suspended Sediment Concentration Data from Natural Channels Using the Hilbert-Huang Transform. Aquatic Procedia, 2015, 4, 780-788.	0.9	10
60	Trend analysis of rainfall in four meteorological subdivisions of southern India using nonparametric methods and discrete wavelet transforms. International Journal of Climatology, 2015, 35, 1107-1124.	1.5	99
61	Minimum Cost Design of Irrigation Canals Using Probabilistic Global Search Lausanne. Arabian Journal for Science and Engineering, 2013, 38, 2631-2637.	1.1	6
62	Reliability analysis of composite channels using first order approximation and Monte Carlo simulations. Stochastic Environmental Research and Risk Assessment, 2013, 27, 477-487.	1.9	21
63	Optimal design of drainage channels using probabilistic search. Water Management, 2013, 166, 285-300.	0.4	3
64	Probabilistic multi-objective optimal design of composite channels using particle swarm optimization. Journal of Hydraulic Research/De Recherches Hydrauliques, 2013, 51, 459-464.	0.7	6
65	Briefing: Design of minimum water loss canals using swarm intelligence. Water Management, 2012, 165, 3-7.	0.4	3
66	Prediction of Ultimate Bearing Capacity of Cohesionless Soils Using Soft Computing Techniques. , 2012, 2012, 1-10.		9
67	Modeling parametric uncertainty in optimal open channel design using FORM-PGSL coupled approach. Stochastic Environmental Research and Risk Assessment, 2012, 26, 709-720.	1.9	7
68	Slopeâ€stabilityâ€constrained design of irrigation canals using particle swarm optimization. Irrigation and Drainage, 2011, 60, 590-599.	0.8	4
69	Chance Constrained Optimal Design of Composite Channels Using Meta-Heuristic Techniques. Water Resources Management, 2010, 24, 2221-2235.	1.9	22
70	Use of Particle Swarm Optimization for Optimal Design of Composite Channels. Journal of Intelligent Systems, 2010, 19, .	1.2	3
71	Overtopping Probability Constrained Optimal Design of Composite Channels Using Swarm Intelligence Technique. Journal of Irrigation and Drainage Engineering - ASCE, 2010, 136, 532-542.	0.6	16
72	Credibility of design rainfall estimates for drainage infrastructures: extent of disregard in Nigeria and proposed framework for practice. Natural Hazards, 0, , 1.	1.6	5