

V Jothiprakash

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.

86
papers

1,229
citations

20
h-index

31
g-index

94
ext. papers

1,452
ext. citations

2.5
avg, IF

5.24
L-index

#	Paper	IF	Citations
86	False Nearest Neighbour Method for the Analysis of Sea Surface Temperature Time Series. <i>Lecture Notes in Civil Engineering</i> , 2021 , 361-369	0.3	
85	Long-Term Analysis of Precipitation in Slovakia. <i>Water (Switzerland)</i> , 2021 , 13, 952	3	2
84	Regional Flood Frequency Analysis Using Fuzzy c-Means Clustering Algorithm for West-Flowing Rivers in Kerala, India. <i>Journal of the Institution of Engineers (India): Series A</i> , 2021 , 102, 805-813	1	2
83	Data-driven modelling framework for streamflow prediction in a physio-climatically heterogeneous river basin. <i>Soft Computing</i> , 2021 , 25, 5951-5978	3.5	3
82	Model tree technique for streamflow forecasting 2021 , 215-237		
81	Spatial-temporal statistical analysis of daily rainfall for Kořte station in eastern Slovakia. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 867, 012035	0.4	1
80	Temporal Analysis of Daily and 10 Minutes of Rainfall of Poprad Station in Eastern Slovakia. <i>Hydrology</i> , 2020 , 7, 32	2.8	2
79	Analysis of short term heavy rains in eastern Slovakia in the period 2003 - 2018. <i>Selected Scientific Papers: Journal of Civil Engineering</i> , 2020 , 15, 29-37	0.3	
78	Hydroclimatic teleconnections of large-scale oceanic-atmospheric circulations on hydrometeorological extremes of Tapi Basin, India. <i>Atmospheric Research</i> , 2020 , 235, 104791	5.4	5
77	Hybrid SSA-ARIMA-ANN Model for Forecasting Daily Rainfall. <i>Water Resources Management</i> , 2020 , 34, 3609-3623	3.7	11
76	Spatio-temporal trend and homogeneity analysis of gridded and gauge precipitation in Indravati River basin, India. <i>Journal of Water and Climate Change</i> , 2020 , 11, 178-199	2.3	8
75	Estimation of daily pan evaporation using neural networks and meta-heuristic approaches. <i>ISH Journal of Hydraulic Engineering</i> , 2020 , 26, 421-429	1.5	20
74	Improving the optimal solution of GoYang network using genetic algorithm and differential evolution. <i>Water Science and Technology: Water Supply</i> , 2020 , 20, 95-102	1.4	8
73	Impact of rainfall variability and anthropogenic activities on streamflow changes and water stress conditions across Tapi Basin in India. <i>Science of the Total Environment</i> , 2019 , 687, 885-897	10.2	27
72	Complexity of streamflows in the west-flowing rivers of India. <i>Stochastic Environmental Research and Risk Assessment</i> , 2019 , 33, 837-853	3.5	3
71	Intermittent Reservoir Daily Inflow Prediction Using Stochastic and Model Tree Techniques. <i>Journal of the Institution of Engineers (India): Series A</i> , 2019 , 100, 439-446	1	4
70	Streamflow Connectivity in a Large-Scale River Basin. <i>Springer Water</i> , 2019 , 205-223	0.3	0

69	Impact assessment of Hathnur reservoir on hydrological regimes of Tapi River, India. <i>ISH Journal of Hydraulic Engineering</i> , 2019 , 1-13	1.5	5
68	A Correlation Scale Threshold Method for Spatial Variability of Rainfall. <i>Hydrology</i> , 2019 , 6, 11	2.8	5
67	Statistical classification of streamflow based on flow variability in west flowing rivers of Kerala, India. <i>Theoretical and Applied Climatology</i> , 2019 , 137, 1643-1658	3	11
66	Flood Frequency Analysis Using L Moments: a Comparison between At-Site and Regional Approach. <i>Water Resources Management</i> , 2019 , 33, 1013-1037	3.7	20
65	Spatial rainfall variability in peninsular India: a nonlinear dynamic approach. <i>Stochastic Environmental Research and Risk Assessment</i> , 2019 , 33, 465-480	3.5	2
64	Assessment of variability in runoff coefficients and their linkages with physiographic and climatic characteristics of two contrasting catchments. <i>Journal of Water and Climate Change</i> , 2019 , 10, 464-483	2.3	3
63	Hydraulic design considerations for orifice spillways. <i>ISH Journal of Hydraulic Engineering</i> , 2019 , 25, 12-18	1.5	2
62	Daily rainfall forecasting for one year in a single run using Singular Spectrum Analysis. <i>Journal of Hydrology</i> , 2018 , 561, 609-621	6	23
61	Hydraulic investigation and design of roof profile of an orifice spillway using experimental and numerical models. <i>Journal of Applied Water Engineering and Research</i> , 2018 , 6, 85-94	1.2	4
60	Data-driven multi-time-step ahead daily rainfall forecasting using singular spectrum analysis-based data pre-processing. <i>Journal of Hydroinformatics</i> , 2018 , 20, 645-667	2.6	6
59	Selection of Window Length in Singular Spectrum Analysis of a Time Series. <i>Springer Proceedings in Mathematics and Statistics</i> , 2018 , 311-322	0.2	0
58	Evaluating a multi-reservoir system for sustainable integrated operation using a simulation model. <i>Sustainable Water Resources Management</i> , 2018 , 4, 981-990	1.9	2
57	Dynamic Analysis of Meteorological Parameters in Kořte Climatic Station in Slovakia. <i>Water (Switzerland)</i> , 2018 , 10, 702	3	4
56	Optimal crop plans for a multi-reservoir system having intra-basin water transfer using multi-objective evolutionary algorithms coupled with chaos. <i>Computers and Electronics in Agriculture</i> , 2017 , 140, 34-47	6.5	8
55	Hydrological impacts of land use and cover change and detention basins on urban flood hazard: a case study of Poisar River basin, Mumbai, India. <i>Natural Hazards</i> , 2017 , 87, 1267-1283	3	49
54	Design of a Pipe Network Using the Finite-Element Method Coupled with Particle-Swarm Optimization. <i>Journal of Pipeline Systems Engineering and Practice</i> , 2017 , 8, 04017019	1.5	1
53	Artificial Intelligence Techniques for Predicting and Mapping Daily Pan Evaporation. <i>Journal of the Institution of Engineers (India): Series A</i> , 2017 , 98, 219-231	1	7
52	A multiobjective fuzzy linear programming model for sustainable integrated operation of a multireservoir system. <i>Lakes and Reservoirs: Research and Management</i> , 2016 , 21, 171-187	1.2	5

51	Impacts of land use and land cover change and urbanization on flooding: A case study of Oshiwara River Basin in Mumbai, India. <i>Catena</i> , 2016 , 145, 142-154	5.8	120
50	Consequences of Continuous Zero Values and Constant Values in Time Series Modeling: Understanding through Chaotic Approach. <i>Journal of Hydrologic Engineering - ASCE</i> , 2016 , 21, 05016012	1.8	3
49	Efficient discretization of state variables in stochastic dynamic programming model of Ukai reservoir, India. <i>ISH Journal of Hydraulic Engineering</i> , 2016 , 22, 293-304	1.5	7
48	Physical and numerical model studies for lower and upper nappe profiles of sharp-edged large orifice. <i>ISH Journal of Hydraulic Engineering</i> , 2016 , 22, 227-235	1.5	4
47	Extraction of Nonlinear Rainfall Trends Using Singular Spectrum Analysis. <i>Journal of Hydrologic Engineering - ASCE</i> , 2015 , 20, 05015007	1.8	19
46	Flow characteristics of orifice spillway aerator: numerical model studies. <i>ISH Journal of Hydraulic Engineering</i> , 2015 , 21, 216-230	1.5	16
45	Closure to Orifice Spillway Aerator: Hydraulic Design by V. V. Bhosekar, V. Jothiprakash, and P. B. Deolalikar. <i>Journal of Hydraulic Engineering</i> , 2015 , 141, 07014017	1.8	
44	Impacts of urbanization on flooding of a coastal urban catchment: a case study of Mumbai City, India. <i>Natural Hazards</i> , 2015 , 75, 887-908	3	58
43	Streamflow variability and classification using false nearest neighbor method. <i>Journal of Hydrology</i> , 2015 , 531, 706-715	6	25
42	Behavioural analysis of a time series a chaotic approach. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2014 , 39, 659-676	1	7
41	Multi-output ANN Model for Prediction of Seven Meteorological Parameters in a Weather Station. <i>Journal of the Institution of Engineers (India): Series A</i> , 2014 , 95, 221-229	1	5
40	Evaluation of a multi-reservoir hydropower system using a simulation model. <i>ISH Journal of Hydraulic Engineering</i> , 2014 , 20, 177-187	1.5	4
39	Inter-comparison of time series models of lake levels predicted by several modeling strategies. <i>Journal of Hydrology</i> , 2014 , 511, 530-545	6	27
38	Multi-reservoir optimization for hydropower production using NLP technique. <i>KSCE Journal of Civil Engineering</i> , 2014 , 18, 344-354	1.9	16
37	Improving the Performance of the Optimization Technique Using Chaotic Algorithm. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 243-250	0.4	
36	Optimization of Hydropower Reservoir Using Evolutionary Algorithms Coupled with Chaos. <i>Water Resources Management</i> , 2013 , 27, 1963-1979	3.7	44
35	Chaotic Analysis of Reservoir Inflow Series: A Case Study on Koyna Reservoir Inflow. <i>Journal of the Institution of Engineers (India): Series A</i> , 2013 , 94, 89-97	1	2
34	Chaotic Evolutionary Algorithms for Multi-Reservoir Optimization. <i>Water Resources Management</i> , 2013 , 27, 5207	3.7	10

33	Evaluation of reservoir sedimentation using data driven techniques. <i>Applied Soft Computing Journal</i> , 2013 , 13, 3567-3581	7.5	20
32	Chaotic analysis of daily rainfall series in Koyna reservoir catchment area, India. <i>Stochastic Environmental Research and Risk Assessment</i> , 2013 , 27, 1371-1381	3.5	19
31	Reservoir Evaporation Prediction Using Data-Driven Techniques. <i>Journal of Hydrologic Engineering - ASCE</i> , 2013 , 18, 40-49	1.8	19
30	Daily precipitation mapping and forecasting using data driven techniques. <i>International Journal of Hydrology Science and Technology</i> , 2013 , 3, 364	1.5	3
29	Multi-time-step ahead daily and hourly intermittent reservoir inflow prediction by artificial intelligent techniques using lumped and distributed data. <i>Journal of Hydrology</i> , 2012 , 450-451, 293-307	6	55
28	Sediment Yield Assessment of a Large Basin using PSIAC Approach in GIS Environment. <i>Water Resources Management</i> , 2012 , 26, 799-840	3.7	17
27	Optimal Reservoir Operation for Hydropower Generation using Non-linear Programming Model. <i>Journal of the Institution of Engineers (India): Series A</i> , 2012 , 93, 111-120	1	32
26	Performance assessment of storage policies of the Vaigai Reservoir using a simulation model. <i>Water International</i> , 2012 , 37, 319-333	2.4	2
25	Orifice Spillway Aerator: Hydraulic Design. <i>Journal of Hydraulic Engineering</i> , 2012 , 138, 563-572	1.8	21
24	Short-term rainfall prediction using ANN and MT techniques. <i>ISH Journal of Hydraulic Engineering</i> , 2012 , 18, 20-26	1.5	15
23	Improving the performance of data-driven techniques through data pre-processing for modelling daily reservoir inflow. <i>Hydrological Sciences Journal</i> , 2011 , 56, 168-186	3.5	18
22	Intermittent reservoir daily-inflow prediction using lumped and distributed data multi-linear regression models. <i>Journal of Earth System Science</i> , 2011 , 120, 1067-1084	1.8	24
21	Development of Operational Policy for a Multi-reservoir System in India using Genetic Algorithm. <i>Water Resources Management</i> , 2011 , 25, 2405-2423	3.7	26
20	Optimal crop planning using a chance constrained linear programming model. <i>Water Policy</i> , 2011 , 13, 734-749	1.6	11
19	Effect of Pruning and Smoothing while Using M5 Model Tree Technique for Reservoir Inflow Prediction. <i>Journal of Hydrologic Engineering - ASCE</i> , 2011 , 16, 563-574	1.8	35
18	Prediction of meteorological variables using artificial neural networks. <i>International Journal of Hydrology Science and Technology</i> , 2011 , 1, 192	1.5	4
17	A weekly operational planning model for a run-off-the-river system: some simulation results from the Tambiraparani river, Tamil Nadu, India. <i>Water Policy</i> , 2010 , 12, 318-335	1.6	2
16	Modeling the Time Variation of Reservoir Trap Efficiency. <i>Journal of Hydrologic Engineering - ASCE</i> , 2010 , 15, 1001-1015	1.8	20

15	SOFT COMPUTING TOOLS IN RAINFALL-RUNOFF MODELING. <i>ISH Journal of Hydraulic Engineering</i> , 2009 , 15, 84-96	1.5	7
14	Comparison of Policies Derived from Stochastic Dynamic Programming and Genetic Algorithm Models. <i>Water Resources Management</i> , 2009 , 23, 1563-1580	3.7	19
13	Reservoir Sedimentation Estimation Using Artificial Neural Network. <i>Journal of Hydrologic Engineering - ASCE</i> , 2009 , 14, 1035-1040	1.8	39
12	Reservoir Sedimentation Estimation Using Genetic Programming Technique 2009 ,		2
11	Re-look to conventional techniques for trapping efficiency estimation of a reservoir. <i>International Journal of Sediment Research</i> , 2008 , 23, 76-84	3	46
10	TRAP EFFICIENCY ESTIMATION OF A LARGE RESERVOIR. <i>ISH Journal of Hydraulic Engineering</i> , 2008 , 14, 88-101	1.5	8
9	HYDRAULICS OF AERATOR FOR ORIFICE SPILLWAY. <i>ISH Journal of Hydraulic Engineering</i> , 2008 , 14, 28-40	1.5	2
8	Reservoir Inflow Prediction Using Time Lagged Recurrent Neural Networks 2008 ,		5
7	SURGE ANALYSIS IN A LARGE LIFT IRRIGATION PROJECT THROUGH PHYSICAL MODELING A CASE STUDY. <i>ISH Journal of Hydraulic Engineering</i> , 2007 , 13, 102-114	1.5	
6	GENETIC ALGORITHMS FOR MULTIRESERVOIR SYSTEM OPTIMIZATION. <i>ISH Journal of Hydraulic Engineering</i> , 2006 , 12, 72-82	1.5	
5	Single Reservoir Operating Policies Using Genetic Algorithm. <i>Water Resources Management</i> , 2006 , 20, 917-929	3.7	91
4	Development of Priority-Based Policies for Conjunctive Use of Surface and Groundwater. <i>Water International</i> , 2003 , 28, 254-267	2.4	28
3	Delineation of potential zones for artificial recharge using gis 2003 , 31, 37-47		14
2	Regional flood frequency analysis using complex networks. <i>Stochastic Environmental Research and Risk Assessment</i> , 1	3.5	1
1	Chaos-directed genetic algorithms for water distribution network design: an enhanced search method. <i>Stochastic Environmental Research and Risk Assessment</i> , 1	3.5	2