

V Jothiprakash

List of Publications by Citations

Source: <https://exaly.com/author-pdf/2539682/v-jothiprakash-publications-by-citations.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	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
85	Single Reservoir Operating Policies Using Genetic Algorithm. <i>Water Resources Management</i> , 2006 , 20, 917-929	3.7	91
84	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
83	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
82	Hydrological impacts of land use and land 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
81	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
80	Optimization of Hydropower Reservoir Using Evolutionary Algorithms Coupled with Chaos. <i>Water Resources Management</i> , 2013 , 27, 1963-1979	3.7	44
79	Reservoir Sedimentation Estimation Using Artificial Neural Network. <i>Journal of Hydrologic Engineering - ASCE</i> , 2009 , 14, 1035-1040	1.8	39
78	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
77	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
76	Development of Priority-Based Policies for Conjunctive Use of Surface and Groundwater. <i>Water International</i> , 2003 , 28, 254-267	2.4	28
75	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
74	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
73	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
72	Streamflow variability and classification using false nearest neighbor method. <i>Journal of Hydrology</i> , 2015 , 531, 706-715	6	25
71	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
70	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

69	Orifice Spillway Aerator: Hydraulic Design. <i>Journal of Hydraulic Engineering</i> , 2012 , 138, 563-572	1.8	21
68	Evaluation of reservoir sedimentation using data driven techniques. <i>Applied Soft Computing Journal</i> , 2013 , 13, 3567-3581	7.5	20
67	Modeling the Time Variation of Reservoir Trap Efficiency. <i>Journal of Hydrologic Engineering - ASCE</i> , 2010 , 15, 1001-1015	1.8	20
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	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
64	Extraction of Nonlinear Rainfall Trends Using Singular Spectrum Analysis. <i>Journal of Hydrologic Engineering - ASCE</i> , 2015 , 20, 05015007	1.8	19
63	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
62	Reservoir Evaporation Prediction Using Data-Driven Techniques. <i>Journal of Hydrologic Engineering - ASCE</i> , 2013 , 18, 40-49	1.8	19
61	Comparison of Policies Derived from Stochastic Dynamic Programming and Genetic Algorithm Models. <i>Water Resources Management</i> , 2009 , 23, 1563-1580	3.7	19
60	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
59	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
58	Flow characteristics of orifice spillway aerator: numerical model studies. <i>ISH Journal of Hydraulic Engineering</i> , 2015 , 21, 216-230	1.5	16
57	Multi-reservoir optimization for hydropower production using NLP technique. <i>KSCE Journal of Civil Engineering</i> , 2014 , 18, 344-354	1.9	16
56	Short-term rainfall prediction using ANN and MT techniques. <i>ISH Journal of Hydraulic Engineering</i> , 2012 , 18, 20-26	1.5	15
55	Delineation of potential zones for artificial recharge using gis 2003 , 31, 37-47		14
54	Optimal crop planning using a chance constrained linear programming model. <i>Water Policy</i> , 2011 , 13, 734-749	1.6	11
53	Hybrid SSA-ARIMA-ANN Model for Forecasting Daily Rainfall. <i>Water Resources Management</i> , 2020 , 34, 3609-3623	3.7	11
52	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

51	Chaotic Evolutionary Algorithms for Multi-Reservoir Optimization. <i>Water Resources Management</i> , 2013 , 27, 5207	3.7	10
50	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
49	TRAP EFFICIENCY ESTIMATION OF A LARGE RESERVOIR. <i>ISH Journal of Hydraulic Engineering</i> , 2008 , 14, 88-101	1.5	8
48	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
47	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
46	Behavioural analysis of a time series a chaotic approach. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2014 , 39, 659-676	1	7
45	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
44	SOFT COMPUTING TOOLS IN RAINFALL-RUNOFF MODELING. <i>ISH Journal of Hydraulic Engineering</i> , 2009 , 15, 84-96	1.5	7
43	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
42	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
41	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
40	A Correlation Scale Threshold Method for Spatial Variability of Rainfall. <i>Hydrology</i> , 2019 , 6, 11	2.8	5
39	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
38	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
37	Reservoir Inflow Prediction Using Time Lagged Recurrent Neural Networks 2008 ,		5
36	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
35	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
34	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

33	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
32	Prediction of meteorological variables using artificial neural networks. <i>International Journal of Hydrology Science and Technology</i> , 2011 , 1, 192	1.5	4
31	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
30	Dynamic Analysis of Meteorological Parameters in Kořice Climatic Station in Slovakia. <i>Water (Switzerland)</i> , 2018 , 10, 702	3	4
29	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
28	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
27	Daily precipitation mapping and forecasting using data driven techniques. <i>International Journal of Hydrology Science and Technology</i> , 2013 , 3, 364	1.5	3
26	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
25	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
24	Temporal Analysis of Daily and 10 Minutes of Rainfall of Poprad Station in Eastern Slovakia. <i>Hydrology</i> , 2020 , 7, 32	2.8	2
23	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
22	Performance assessment of storage policies of the Vaigai Reservoir using a simulation model. <i>Water International</i> , 2012 , 37, 319-333	2.4	2
21	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
20	Reservoir Sedimentation Estimation Using Genetic Programming Technique 2009 ,		2
19	HYDRAULICS OF AERATOR FOR ORIFICE SPILLWAY. <i>ISH Journal of Hydraulic Engineering</i> , 2008 , 14, 28-40	1.5	2
18	Long-Term Analysis of Precipitation in Slovakia. <i>Water (Switzerland)</i> , 2021 , 13, 952	3	2
17	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
16	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

15	Hydraulic design considerations for orifice spillways. <i>ISH Journal of Hydraulic Engineering</i> , 2019 , 25, 12-18.	1.5	2
14	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
13	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
12	Spatial-temporal statistical analysis of daily rainfall for Kořice station in eastern Slovakia. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 867, 012035	0.4	1
11	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
10	Regional flood frequency analysis using complex networks. <i>Stochastic Environmental Research and Risk Assessment</i> , 1	3.5	1
9	Streamflow Connectivity in a Large-Scale River Basin. <i>Springer Water</i> , 2019 , 205-223	0.3	0
8	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
7	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	
6	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	
5	GENETIC ALGORITHMS FOR MULTIRESERVOIR SYSTEM OPTIMIZATION. <i>ISH Journal of Hydraulic Engineering</i> , 2006 , 12, 72-82	1.5	
4	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	
3	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	
2	Improving the Performance of the Optimization Technique Using Chaotic Algorithm. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 243-250	0.4	
1	Model tree technique for streamflow forecasting 2021 , 215-237		