

# Ashu Jain

## List of Publications by Year in descending order

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33  
papers

2,872  
citations

393982

19  
h-index

395343

33  
g-index

33  
all docs

33  
docs citations

33  
times ranked

2412  
citing authors

#	ARTICLE	IF	CITATIONS
1	Incorporating non-uniformity and non-linearity of hydrologic and catchment characteristics in rainfall-runoff modeling using conceptual, data-driven, and hybrid techniques. <i>Journal of Hydroinformatics</i> , 2022, 24, 350-366.	1.1	5
2	Development of a Physics-Guided Neural Network Model for Effective Urban Flood Management. <i>Journal of Hydrologic Engineering - ASCE</i> , 2022, 27, .	0.8	2
3	Modeling rainfall-runoff process using artificial neural network with emphasis on parameter sensitivity. <i>Modeling Earth Systems and Environment</i> , 2020, 6, 2177-2188.	1.9	23
4	Knowledge extraction from trained ANN drought classification model. <i>Journal of Hydrology</i> , 2020, 585, 124804.	2.3	24
5	Evaporation modelling using neural networks for assessing the self-sustainability of a water body. <i>Lakes and Reservoirs: Research and Management</i> , 2017, 22, 123-133.	0.6	7
6	Optimal groundwater management using state-space surrogate models: a case study for an arid coastal region. <i>Journal of Hydroinformatics</i> , 2016, 18, 666-686.	1.1	12
7	Methods used for the development of neural networks for the prediction of water resource variables in river systems: Current status and future directions. <i>Environmental Modelling and Software</i> , 2010, 25, 891-909.	1.9	690
8	River Flow Prediction Using an Integrated Approach. <i>Journal of Hydrologic Engineering - ASCE</i> , 2009, 14, 75-83.	0.8	35
9	RECENT ADVANCES IN KNOWLEDGE EXTRACTION FROM NEURAL NETWORK BASED HYDROLOGIC MODELS. <i>ISH Journal of Hydraulic Engineering</i> , 2009, 15, 75-83.	1.1	5
10	RAINFALL RUNOFF MODELLING USING NEURAL NETWORKS: STATE-OF-THE-ART AND FUTURE RESEARCH NEEDS. <i>ISH Journal of Hydraulic Engineering</i> , 2009, 15, 52-74.	1.1	7
11	Dissection of trained neural network hydrologic models for knowledge extraction. <i>Water Resources Research</i> , 2009, 45, .	1.7	32
12	Modeling and Analysis of Concrete Slump Using Artificial Neural Networks. <i>Journal of Materials in Civil Engineering</i> , 2008, 20, 628-633.	1.3	29
13	Artificial neuron models for hydrological modeling. <i>Neural Networks (IJCNN), International Joint Conference on</i> , 2007, , .	0.0	1
14	Hybrid neural network models for hydrologic time series forecasting. <i>Applied Soft Computing Journal</i> , 2007, 7, 585-592.	4.1	390
15	Integrated approach to model decomposed flow hydrograph using artificial neural network and conceptual techniques. <i>Journal of Hydrology</i> , 2006, 317, 291-306.	2.3	115
16	Comment on "Integration of artificial neural networks with conceptual models in rainfall-runoff modeling" by Jieyun Chen and Barry J. Adams, 2005. <i>J. Hydrol.</i> doi:10.1016/j.jhydrol.2005.06.017. <i>Journal of Hydrology</i> , 2006, 329, 274-276.	2.3	2
17	An evaluation of artificial neural network technique for the determination of infiltration model parameters. <i>Applied Soft Computing Journal</i> , 2006, 6, 272-282.	4.1	57
18	A comparative analysis of training methods for artificial neural network rainfall-runoff models. <i>Applied Soft Computing Journal</i> , 2006, 6, 295-306.	4.1	259

#	ARTICLE	IF	CITATIONS
19	Discussion of "Application of Neural Networks for Estimation of Concrete Strength" by Jong-In Kim, Doo Kie Kim, Maria Q. Feng, and Frank Yazdani. Journal of Materials in Civil Engineering, 2005, 17, 736-738.	1.3	3
20	Determination of an optimal unit pulse response function using real-coded genetic algorithm. Journal of Hydrology, 2005, 303, 199-214.	2.3	19
21	Comment on "Comparison of static-feedforward and dynamic-feedback neural networks for rainfall-runoff modeling" by Y.M. Chiang, L.C. Chang, and F.J. Chang, 2004. Journal of Hydrology 290 (3-4), 297-311. Journal of Hydrology, 2005, 314, 207-211.	2.3	1
22	Identification of Unknown Groundwater Pollution Sources Using Artificial Neural Networks. Journal of Water Resources Planning and Management - ASCE, 2004, 130, 506-514.	1.3	137
23	Discussion of "Performance of Neural Networks in Daily Streamflow Forecasting" by S. Birikundavyi, R. Labib, H. T. Trung, and J. Rousselle. Journal of Hydrologic Engineering - ASCE, 2004, 9, 553-555.	0.8	1
24	AN EVALUATION OF THE AVAILABLE TECHNIQUES FOR ESTIMATING MISSING FECAL COLIFORM DATA. Journal of the American Water Resources Association, 2004, 40, 1617-1630.	1.0	6
25	Identification of physical processes inherent in artificial neural network rainfall runoff models. Hydrological Processes, 2004, 18, 571-581.	1.1	170
26	Explaining the internal behaviour of artificial neural network river flow models. Hydrological Processes, 2004, 18, 833-844.	1.1	109
27	Development of effective and efficient rainfall-runoff models using integration of deterministic, real-coded genetic algorithms and artificial neural network techniques. Water Resources Research, 2004, 40, .	1.7	191
28	Optimal Design of Composite Channels Using Genetic Algorithm. Journal of Irrigation and Drainage Engineering - ASCE, 2004, 130, 286-295.	0.6	71
29	Closure to "Comparative Analysis of Event-based Rainfall-runoff Modeling Techniques" Deterministic, Statistical, and Artificial Neural Networks" by Ashu Jain and S. K. V. Prasad Indurthy. Journal of Hydrologic Engineering - ASCE, 2004, 9, 551-553.	0.8	8
30	Comparative Analysis of Event-based Rainfall-runoff Modeling Techniques" Deterministic, Statistical, and Artificial Neural Networks. Journal of Hydrologic Engineering - ASCE, 2003, 8, 93-98.	0.8	116
31	Short-term water demand forecast modeling techniques" CONVENTIONAL METHODS VERSUS AI. Journal - American Water Works Association, 2002, 94, 64-72.	0.2	117
32	Short-Term Water Demand Forecast Modelling at IIT Kanpur Using Artificial Neural Networks. Water Resources Management, 2001, 15, 299-321.	1.9	220
33	A DECISION SUPPORT SYSTEM FOR DROUGHT CHARACTERIZATION AND MANAGEMENT. Civil Engineering and Environmental Systems, 2001, 18, 105-140.	0.4	8