

# R Arunkumar

## 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.

18  
papers

240  
citations

8  
h-index

15  
g-index

18  
ext. papers

289  
ext. citations

2.4  
avg, IF

3.59  
L-index

#	Paper	IF	Citations
18	Reservoir Operations under Changing Climate Conditions: Hydropower-Production Perspective. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2019</b> , 145, 04019016	2.8	6
17	Evaluating a multi-reservoir system for sustainable integrated operation using a simulation model. <i>Sustainable Water Resources Management</i> , <b>2018</b> , 4, 981-990	1.9	2
16	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> , <b>2017</b> , 140, 34-47	6.5	8
15	Artificial Intelligence Techniques for Predicting and Mapping Daily Pan Evaporation. <i>Journal of the Institution of Engineers (India): Series A</i> , <b>2017</b> , 98, 219-231	1	7
14	A multiobjective fuzzy linear programming model for sustainable integrated operation of a multireservoir system. <i>Lakes and Reservoirs: Research and Management</i> , <b>2016</b> , 21, 171-187	1.2	5
13	Comparison of static and dynamic resilience for a multipurpose reservoir operation. <i>Water Resources Research</i> , <b>2016</b> , 52, 8630-8649	5.4	41
12	Evaluation of a multi-reservoir hydropower system using a simulation model. <i>ISH Journal of Hydraulic Engineering</i> , <b>2014</b> , 20, 177-187	1.5	4
11	Multi-reservoir optimization for hydropower production using NLP technique. <i>KSCE Journal of Civil Engineering</i> , <b>2014</b> , 18, 344-354	1.9	16
10	Improving the Performance of the Optimization Technique Using Chaotic Algorithm. <i>Advances in Intelligent Systems and Computing</i> , <b>2014</b> , 243-250	0.4	
9	Optimization of Hydropower Reservoir Using Evolutionary Algorithms Coupled with Chaos. <i>Water Resources Management</i> , <b>2013</b> , 27, 1963-1979	3.7	44
8	Chaotic Evolutionary Algorithms for Multi-Reservoir Optimization. <i>Water Resources Management</i> , <b>2013</b> , 27, 5207	3.7	10
7	Reservoir Evaporation Prediction Using Data-Driven Techniques. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2013</b> , 18, 40-49	1.8	19
6	Optimal Reservoir Operation for Hydropower Generation using Non-linear Programming Model. <i>Journal of the Institution of Engineers (India): Series A</i> , <b>2012</b> , 93, 111-120	1	32
5	Performance assessment of storage policies of the Vaigai Reservoir using a simulation model. <i>Water International</i> , <b>2012</b> , 37, 319-333	2.4	2
4	Development of Operational Policy for a Multi-reservoir System in India using Genetic Algorithm. <i>Water Resources Management</i> , <b>2011</b> , 25, 2405-2423	3.7	26
3	Optimal crop planning using a chance constrained linear programming model. <i>Water Policy</i> , <b>2011</b> , 13, 734-749	1.6	11
2	PERFORMANCE ASSESSMENT OF CANAL IRRIGATION SYSTEM. <i>ISH Journal of Hydraulic Engineering</i> , <b>2010</b> , 16, 146-155	1.5	2

- 1 Quantification of resilience to water scarcity, a dynamic measure in time and space. *Proceedings of the International Association of Hydrological Sciences*,373, 13-17