

# Bithin Datta

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/8395175/bithin-datta-publications-by-citations.pdf>

**Version:** 2024-04-27

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.

124  
papers

3,112  
citations

33  
h-index

52  
g-index

130  
ext. papers

3,462  
ext. citations

2.8  
avg, IF

5.93  
L-index

#	Paper	IF	Citations
124	Multi-objective management of saltwater intrusion in coastal aquifers using genetic programming and modular neural network based surrogate models. <i>Journal of Hydrology</i> , <b>2010</b> , 393, 245-256	6	139
123	Optimal Monitoring Network and Ground-Water Pollution Source Identification. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>1997</b> , 123, 199-207	2.8	132
122	Optimal Identification of Ground-Water Pollution Sources and Parameter Estimation. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2001</b> , 127, 20-29	2.8	123
121	Saltwater Intrusion Management of Coastal Aquifers. I: Linked Simulation-Optimization. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2009</b> , 14, 1263-1272	1.8	120
120	Identification of Groundwater Pollution Sources Using GA-based Linked Simulation Optimization Model. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2006</b> , 11, 101-109	1.8	118
119	Identification of Unknown Groundwater Pollution Sources Using Artificial Neural Networks. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2004</b> , 130, 506-514	2.8	116
118	Optimal Management of Coastal Aquifers Using Linked Simulation Optimization Approach. <i>Water Resources Management</i> , <b>2005</b> , 19, 295-320	3.7	113
117	Identification of Pollution Sources in Transient Groundwater Systems. <i>Water Resources Management</i> , <b>2000</b> , 14, 209-227	3.7	96
116	Coupled simulation-optimization model for coastal aquifer management using genetic programming-based ensemble surrogate models and multiple-realization optimization. <i>Water Resources Research</i> , <b>2011</b> , 47,	5.4	95
115	Development of Multiobjective Management Models for Coastal Aquifers. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>1999</b> , 125, 76-87	2.8	80
114	ANN-GA-Based Model for Multiple Objective Management of Coastal Aquifers. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2009</b> , 135, 314-322	2.8	69
113	Identification of unknown groundwater pollution sources using classical optimization with linked simulation. <i>Journal of Hydro-Environment Research</i> , <b>2011</b> , 5, 25-36	2.3	66
112	Modeling and control of saltwater intrusion in a coastal aquifer of Andhra Pradesh, India. <i>Journal of Hydro-Environment Research</i> , <b>2009</b> , 3, 148-159	2.3	66
111	Comparative Evaluation of Genetic Programming and Neural Network as Potential Surrogate Models for Coastal Aquifer Management. <i>Water Resources Management</i> , <b>2011</b> , 25, 3201-3218	3.7	65
110	Artificial neural network modeling for identification of unknown pollution sources in groundwater with partially missing concentration observation data. <i>Water Resources Management</i> , <b>2007</b> , 21, 557-572	3.7	59
109	Short-Term, Single, Multiple-Purpose Reservoir Operation: Importance of Loss Functions and Forecast Errors. <i>Water Resources Research</i> , <b>1984</b> , 20, 1167-1176	5.4	57
108	Simultaneous identification of unknown groundwater pollution sources and estimation of aquifer parameters. <i>Journal of Hydrology</i> , <b>2009</b> , 376, 48-57	6	56

107	Three-Dimensional Groundwater Contamination Source Identification Using Adaptive Simulated Annealing. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2013</b> , 18, 307-317	1.8	55
106	Development of Management Models for Sustainable Use of Coastal Aquifers. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>1999</b> , 125, 112-121	1.1	54
105	Application of optimisation techniques in groundwater quantity and quality management. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , <b>2001</b> , 26, 293-316	1	51
104	Review: Simulation-optimization models for the management and monitoring of coastal aquifers. <i>Hydrogeology Journal</i> , <b>2015</b> , 23, 1155-1166	3.1	50
103	Optimal Dynamic Monitoring Network Design and Identification of Unknown Groundwater Pollution Sources. <i>Water Resources Management</i> , <b>2009</b> , 23, 2031-2049	3.7	45
102	Chance-Constrained Optimal Monitoring Network Design for Pollutants in Ground Water. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>1996</b> , 122, 180-188	2.8	45
101	Optimal Estimation of Roughness in Open-Channel Flows. <i>Journal of Hydraulic Engineering</i> , <b>2000</b> , 126, 299-303	1.8	44
100	Optimal operation of reservoirs for downstream water quality control using linked simulation optimization. <i>Hydrological Processes</i> , <b>2008</b> , 22, 842-853	3.3	42
99	Stochastic and Robust Multi-Objective Optimal Management of Pumping from Coastal Aquifers Under Parameter Uncertainty. <i>Water Resources Management</i> , <b>2014</b> , 28, 2005-2019	3.7	41
98	Sequential optimal monitoring network design and iterative spatial estimation of pollutant concentration for identification of unknown groundwater pollution source locations. <i>Environmental Monitoring and Assessment</i> , <b>2013</b> , 185, 5611-26	3.1	40
97	Dynamic Optimal Monitoring Network Design for Transient Transport of Pollutants in Groundwater Aquifers. <i>Water Resources Management</i> , <b>2008</b> , 22, 651-670	3.7	40
96	Identification of Contaminant Source Characteristics and Monitoring Network Design in Groundwater Aquifers: An Overview. <i>Journal of Environmental Protection</i> , <b>2013</b> , 04, 26-41	0.6	38
95	Artificial Neural Networks Approximation of Density Dependent Saltwater Intrusion Process in Coastal Aquifers. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2007</b> , 12, 273-282	1.8	37
94	A Stochastic Optimization Model for Real-Time Operation of Reservoirs Using Uncertain Forecasts. <i>Water Resources Research</i> , <b>1984</b> , 20, 1039-1046	5.4	34
93	Fuzzy C-Mean Clustering Based Inference System for Saltwater Intrusion Processes Prediction in Coastal Aquifers. <i>Water Resources Management</i> , <b>2017</b> , 31, 355-376	3.7	33
92	Optimization Based Solution of Density Dependent Seawater Intrusion in Coastal Aquifers. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2000</b> , 5, 82-89	1.8	33
91	Development and Implementation of Support Vector Machine Regression Surrogate Models for Predicting Groundwater Pumping-Induced Saltwater Intrusion into Coastal Aquifers. <i>Water Resources Management</i> , <b>2018</b> , 32, 2405-2419	3.7	32
90	Groundwater Pollution Source Identification and Simultaneous Parameter Estimation Using Pattern Matching by Artificial Neural Network. <i>Environmental Forensics</i> , <b>2004</b> , 5, 143-153	1.6	32

89	Multivariate Adaptive Regression Spline Ensembles for Management of Multilayered Coastal Aquifers. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2017</b> , 22, 04017031	1.8	31
88	Multiobjective Design of Dynamic Monitoring Networks for Detection of Groundwater Pollution. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2007</b> , 133, 329-338	2.8	31
87	Logic-Based Design of Groundwater Monitoring Network for Redundancy Reduction. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2010</b> , 136, 88-94	2.8	29
86	Interactive computer graphics-based multiobjective decision-making for regional groundwater management. <i>Agricultural Water Management</i> , <b>1986</b> , 11, 91-116	5.9	28
85	Optimal Short-term Reservoir Operation with Integrated Long-term Goals. <i>Water Resources Management</i> , <b>2012</b> , 26, 2833-2850	3.7	27
84	Uncertainty based optimal monitoring network design for a chlorinated hydrocarbon contaminated site. <i>Environmental Monitoring and Assessment</i> , <b>2011</b> , 173, 929-40	3.1	26
83	Optimal combined operation of production and barrier wells for the control of saltwater intrusion in coastal groundwater well fields. <i>Desalination and Water Treatment</i> , <b>2011</b> , 32, 72-78		25
82	Optimal characterization of pollutant sources in contaminated aquifers by integrating sequential-monitoring-network design and source identification: methodology and an application in Australia. <i>Hydrogeology Journal</i> , <b>2015</b> , 23, 1089-1107	3.1	24
81	Multi-objective groundwater management strategy under uncertainties for sustainable control of saltwater intrusion: Solution for an island country in the South Pacific. <i>Journal of Environmental Management</i> , <b>2019</b> , 234, 115-130	7.9	24
80	Simulated annealing based simulation-optimization approach for identification of unknown contaminant sources in groundwater aquifers. <i>Desalination and Water Treatment</i> , <b>2011</b> , 32, 79-85		23
79	Efficient Identification of Unknown Groundwater Pollution Sources Using Linked Simulation-Optimization Incorporating Monitoring Location Impact Factor and Frequency Factor. <i>Water Resources Management</i> , <b>2013</b> , 27, 4959-4976	3.7	22
78	Saltwater Intrusion Management of Coastal Aquifers. II: Operation Uncertainty and Monitoring. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2009</b> , 14, 1273-1282	1.8	22
77	Optimisation approach for pollution source identification in groundwater: an overview. <i>International Journal of Environment and Waste Management</i> , <b>2011</b> , 8, 40	0.9	22
76	Modelling saltwater intrusion processes and development of a multi-objective strategy for management of coastal aquifers utilizing planned artificial freshwater recharge. <i>Modeling Earth Systems and Environment</i> , <b>2018</b> , 4, 111-126	3.2	19
75	Performance evaluation of a stochastic optimization model for reservoir design and management with explicit reliability criteria. <i>Water Resources Research</i> , <b>1981</b> , 17, 827-832	5.4	18
74	Characterization of Groundwater Pollution Sources with Unknown Release Time History. <i>Journal of Water Resource and Protection</i> , <b>2014</b> , 06, 337-350	0.7	18
73	Linked Simulation-Optimization based Dedicated Monitoring Network Design for Unknown Pollutant Source Identification using Dynamic Time Warping Distance. <i>Water Resources Management</i> , <b>2014</b> , 28, 4161-4182	3.7	17
72	A surrogate based multi-objective management model to control saltwater intrusion in multi-layered coastal aquifer systems. <i>Civil Engineering and Environmental Systems</i> , <b>2017</b> , 34, 238-263	2.1	17

71	Design of an Optimal Compliance Monitoring Network and Feedback Information for Adaptive Management of Saltwater Intrusion in Coastal Aquifers. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2014</b> , 140, 04014026	2.8	16
70	Reconnaissance-Level Alternative Optimal Ground-Water Use Strategies. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>1990</b> , 116, 676-692	2.8	16
69	Global optimal design of ground water monitoring network using embedded kriging. <i>Ground Water</i> , <b>2009</b> , 47, 806-15	2.4	15
68	Influence of Sea Level Rise on Multiobjective Management of Saltwater Intrusion in Coastal Aquifers. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2018</b> , 23, 04018035	1.8	14
67	Discussion of Identification of Contaminant Source Location and Release History in Aquifers by Mustafa M. Aral, Jiabao Guan, and Morris L. Maslia. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2002</b> , 7, 399-400	1.8	14
66	Multiobjective management of a contaminated aquifer for agricultural use. <i>Water Resources Management</i> , <b>1996</b> , 10, 373-395	3.7	13
65	An Ensemble Meta-Modelling Approach Using the Dempster-Shafer Theory of Evidence for Developing Saltwater Intrusion Management Strategies in Coastal Aquifers. <i>Water Resources Management</i> , <b>2019</b> , 33, 775-795	3.7	13
64	A Review of Surrogate Models and Their Ensembles to Develop Saltwater Intrusion Management Strategies in Coastal Aquifers. <i>Earth Systems and Environment</i> , <b>2018</b> , 2, 193-211	7.5	13
63	Optimal Groundwater-Use Strategy for Saltwater Intrusion Management in a Pacific Island Country. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2019</b> , 145, 04019032	2.8	11
62	Genetic algorithm tuned fuzzy inference system to evolve optimal groundwater extraction strategies to control saltwater intrusion in multi-layered coastal aquifers under parameter uncertainty. <i>Modeling Earth Systems and Environment</i> , <b>2017</b> , 3, 1707-1725	3.2	11
61	Multiobjective Monitoring Network Design for Efficient Identification of Unknown Groundwater Pollution Sources Incorporating Genetic Programming-Based Monitoring. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2014</b> , 19, 04014025	1.8	11
60	Optimal Identification of Groundwater Pollution Sources Using Feedback Monitoring Information: A Case Study. <i>Environmental Forensics</i> , <b>2012</b> , 13, 140-153	1.6	11
59	Performance of an Artificial Neural Network model for simulating saltwater intrusion process in coastal aquifers when training with noisy data. <i>KSCCE Journal of Civil Engineering</i> , <b>2009</b> , 13, 205-215	1.9	10
58	optimal Modification of Regional Potentiometric Surface Design for Groundwater Contaminant Containment. <i>Transactions of the American Society of Agricultural Engineers</i> , <b>1986</b> , 29, 1611-1623		10
57	Application of Genetic Programming Models Incorporated in Optimization Models for Contaminated Groundwater Systems Management. <i>Advances in Intelligent Systems and Computing</i> , <b>2014</b> , 183-199	0.4	10
56	Optimization algorithms as training approaches for prediction of reference evapotranspiration using adaptive neuro fuzzy inference system. <i>Agricultural Water Management</i> , <b>2021</b> , 255, 107003	5.9	10
55	Preface: Optimization for groundwater characterization and management. <i>Hydrogeology Journal</i> , <b>2015</b> , 23, 1043-1049	3.1	9
54	Application of Unknown Groundwater Pollution Source Release History Estimation Methodology to Distributed Sources Incorporating Surface-Groundwater Interactions. <i>Environmental Forensics</i> , <b>2015</b> , 16, 143-162	1.6	9

53	Linked Optimal Reactive Contaminant Source Characterization in Contaminated Mine Sites: Case Study. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2016</b> , 142, 04016061	2.8	9
52	Performance evaluation of a genetic algorithm-based linked simulation-optimization model for optimal hydraulic seepage-related design of concrete gravity dams. <i>Journal of Applied Water Engineering and Research</i> , <b>2019</b> , 7, 173-197	1.2	9
51	Saltwater intrusion prediction in coastal aquifers utilizing a weighted-average heterogeneous ensemble of prediction models based on Dempster-Shafer theory of evidence. <i>Hydrological Sciences Journal</i> , <b>2020</b> , 65, 1555-1567	3.5	8
50	Trained meta-models and evolutionary algorithm based multi-objective management of coastal aquifers under parameter uncertainty. <i>Journal of Hydroinformatics</i> , <b>2018</b> , 20, 1247-1267	2.6	8
49	Application of Dedicated Monitoring Network Design for Unknown Pollutant-Source Identification Based on Dynamic Time Warping. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2015</b> , 141, 04015022	2.8	7
48	Performance Evaluation of Homogeneous and Heterogeneous Ensemble Models for Groundwater Salinity Predictions: a Regional-Scale Comparison Study. <i>Water, Air, and Soil Pollution</i> , <b>2020</b> , 231, 1	2.6	7
47	Minimizing physical habitat impacts at downstream of diversion dams by a multiobjective optimization of environmental flow regime. <i>Environmental Modelling and Software</i> , <b>2021</b> , 140, 105029	5.2	7
46	Adaptive Management of Coastal Aquifers Using Entropy-Set Pair Analysis Based Three-Dimensional Sequential Monitoring Network Design. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2019</b> , 24, 04018072	1.8	7
45	Optimal Management of Groundwater Extraction to Control Saltwater Intrusion in Multi-Layered Coastal Aquifers Using Ensembles of Adaptive Neuro-Fuzzy Inference System <b>2017</b> ,		6
44	CHANCE CONSTRAINED WATER QUALITY MANAGEMENT MODEL FOR RESERVOIR SYSTEMS. <i>ISH Journal of Hydraulic Engineering</i> , <b>2006</b> , 12, 39-48	1.5	6
43	Adaptive Surrogate Model Based Optimization (ASMBO) for Unknown Groundwater Contaminant Source Characterizations Using Self-Organizing Maps. <i>Journal of Water Resource and Protection</i> , <b>2017</b> , 09, 193-214	0.7	6
42	Genetic Programming and Gaussian Process Regression Models for Groundwater Salinity Prediction: Machine Learning for Sustainable Water Resources Management <b>2018</b> ,		6
41	Optimal pumping strategies for the management of coastal groundwater resources: application of Gaussian Process Regression metamodel-based simulation-optimization methodology. <i>ISH Journal of Hydraulic Engineering</i> , <b>2019</b> , 1-10	1.5	5
40	Simulation of seawater intrusion in coastal aquifers: Some typical responses. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , <b>2001</b> , 26, 317-352	1	5
39	Optimizing monthly ecological flow regime by a coupled fuzzy physical habitat simulation genetic algorithm method. <i>Environment Systems and Decisions</i> , <b>2021</b> , 41, 425-436	4.1	5
38	Fractal Singularity Based Multiobjective Monitoring Networks for Reactive Species Contaminant Source Characterization. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2018</b> , 144, 04018021	2.8	4
37	Comparative efficiency of different artificial intelligence based models for predicting density dependent saltwater intrusion processes in coastal aquifers and saltwater intrusion management utilizing the best performing model <b>2015</b> , 160-180		4
36	Use of Genetic Programming Based Surrogate Models to Simulate Complex Geochemical Transport Processes in Contaminated Mine Sites <b>2015</b> , 359-379		4



35	Optimum design of hydraulic water retaining structures incorporating uncertainty in estimating heterogeneous hydraulic conductivity utilizing stochastic ensemble surrogate models within a multi-objective multi-realisation optimisation model. <i>Journal of Computational Design and Engineering</i> , <b>2019</b> , 6, 296-315	4.6	4
34	Reliability-based optimum design of hydraulic water retaining structure constructed on heterogeneous porous media: utilizing stochastic ensemble surrogate model-based linked simulation optimization model. <i>Life Cycle Reliability and Safety Engineering</i> , <b>2019</b> , 8, 65-84	0.6	3
33	Improved optimal design of concrete gravity dams founded on anisotropic soils utilizing simulation-optimization model and hybrid genetic algorithm. <i>ISH Journal of Hydraulic Engineering</i> , <b>2019</b> , 1-18	1.5	3
32	Linked Optimization Model for Groundwater Monitoring Network Design. <i>Water Science and Technology Library</i> , <b>2016</b> , 107-125	0.3	3
31	Reliability Analysis of Thaw-Induced Pore Pressures. <i>Journal of Cold Regions Engineering - ASCE</i> , <b>1991</b> , 5, 125-141	1.1	3
30	A nonlinear time-variant constrained model for rainfall-runoff. <i>Journal of Hydrology</i> , <b>1985</b> , 77, 1-18	6	3
29	Application of a link simulation optimization model utilizing quantification of hydrogeologic uncertainty to characterize unknown groundwater contaminant sources. <i>Modeling Earth Systems and Environment</i> , <b>2019</b> , 5, 119-131	3.2	3
28	Minimum Cost Design of Hydraulic Water Retaining Structure by using Coupled Simulation Optimization Approach. <i>KSCE Journal of Civil Engineering</i> , <b>2019</b> , 23, 1095-1107	1.9	2
27	Application of Simulated Annealing and Adaptive Simulated Annealing in Search for Efficient Optimal Solutions of a Groundwater Contamination related Problem <b>2017</b> ,		2
26	Encapsulating the Role of Solution Response Space Roughness on Global Optimal Solution: Application in Identification of Unknown Groundwater Pollution Sources. <i>Open Journal of Optimization</i> , <b>2014</b> , 03, 26-41	0.2	2
25	Reliability Evaluation of Groundwater Contamination Source Characterization under Uncertain Flow Field. <i>International Journal of Environmental Science and Development</i> , <b>2015</b> , 6, 512-518	0.4	2
24	Application of Monitoring Network Design and Feedback Information for Adaptive Management of Coastal Groundwater Resources. <i>International Journal of Environmental Research and Public Health</i> , <b>2019</b> , 16,	4.6	2
23	Modelling and management of saltwater intrusion in a coastal aquifer system: A regional-scale study. <i>Groundwater for Sustainable Development</i> , <b>2020</b> , 11, 100479	6	1
22	Transfer of optimization techniques from water reservoir to national grain reservoir systems: issues in economic modelling. <i>Civil Engineering and Environmental Systems</i> , <b>1985</b> , 2, 209-216		1
21	Groundwater Level Prediction Using a Multiple Objective Genetic Algorithm-Grey Relational Analysis Based Weighted Ensemble of ANFIS Models. <i>Water (Switzerland)</i> , <b>2021</b> , 13, 3130	3	1
20	Geochemistry of groundwater and saltwater intrusion in a coastal region of an island in Malacca Strait, Indonesia. <i>Environmental Engineering Research</i> , <b>2021</b> , 26, 200006-0	3.6	1
19	Source Characterization of Multiple Reactive Species at an Abandoned Mine Site Using a Groundwater Numerical Simulation Model and Optimization Models. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	1
18	Application of the group method of data handling and variable importance analysis for prediction and modelling of saltwater intrusion processes in coastal aquifers. <i>Neural Computing and Applications</i> , <b>2021</b> , 33, 4179-4190	4.8	1

17	Robust Ensemble Modeling Paradigm for Groundwater Salinity Predictions in Complex Aquifer Systems <b>2021</b> , 53-72		1
16	Selection of Meta-models to Predict Saltwater Intrusion in Coastal Aquifers Using Entropy Weight Based Decision Theory <b>2018</b> ,		1
15	Optimizing reservoir operation to avoid downstream physical habitat loss using coupled ANFIS-metaheuristic model. <i>Earth Science Informatics</i> ,1	2.5	1
14	Utilizing Evolutionary algorithms for continuous simulation of long-term reservoir inflows. <i>Water Management</i> ,1-35	1	1
13	Optimal Characterization of Unknown Multispecies Reactive Contamination Sources in an Aquifer. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2021</b> , 26, 04021035	1.8	1
12	A review of groundwater sustainability crisis in the Pacific Island countries: Challenges and solutions. <i>Journal of Hydrology</i> , <b>2021</b> , 127165	6	0
11	Utilizing classic evolutionary algorithms to assess the Brown trout ( <i>Salmo trutta</i> ) habitats by ANFIS-based physical habitat model. <i>Modeling Earth Systems and Environment</i> ,1	3.2	0
10	Design of optimal environmental flow regime at downstream of reservoirs using wetted perimeter-optimization method. <i>Journal of Hydro-Environment Research</i> , <b>2021</b> , 39, 1-14	2.3	0
9	Sequential Characterization of Contaminant Plumes Using Feedback Information. <i>Society of Earth Scientists Series</i> , <b>2021</b> , 21-35	0.6	0
8	Comment on Artificial neural network model as a potential alternative for groundwater salinity forecasting [by Pallavi Banerjee et al. [ <i>J. Hydrol.</i> 398 (2011) 212-220]. <i>Journal of Hydrology</i> , <b>2012</b> , 420-421, 419-420	6	
7	Density Dependent Flows, Saltwater Intrusion and Management <b>2011</b> , 394-429		
6	Reducing impacts of rice fields nitrate contamination on the river ecosystem by a coupled SWAT reservoir operation optimization model. <i>Arabian Journal of Geosciences</i> , <b>2022</b> , 15, 1	1.8	
5	A simulation-optimization system for evaluating flood management and environmental flow supply by reservoirs. <i>Natural Hazards</i> , <b>2022</b> , 111, 2855	3	
4	Solution of Large-Scale Multi-objective Optimization Models for Saltwater Intrusion Control in Coastal Aquifers Utilizing ANFIS Based Linked Meta-Models for Computational Feasibility and Efficiency. <i>Springer Proceedings in Mathematics and Statistics</i> , <b>2020</b> , 163-171	0.2	
3	ARTIFICIAL INTELLIGENCE-BASED MODELS FOR THE OPTIMAL AND SUSTAINABLE USE OF GROUNDWATER IN COASTAL AQUIFERS 211-222		
2	Characterization of Groundwater Contaminant Sources by Utilizing MARS Based Surrogate Model Linked to Optimization Model. <i>Advances in Intelligent Systems and Computing</i> , <b>2019</b> , 153-162	0.4	
1	Prediction of Impending Drought Scenarios Based on Surface and Subsurface Parameters in a Selected Region of Tropical Queensland, Australia. <i>Journal of Water Resource and Protection</i> , <b>2021</b> , 13, 605-631	0.7	