

# Uri Shamir

## List of Publications by Year in descending order

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Version: 2024-02-01

55  
papers

2,393  
citations

201674

27  
h-index

197818

49  
g-index

56  
all docs

56  
docs citations

56  
times ranked

1303  
citing authors

#	ARTICLE	IF	CITATIONS
1	Water Distribution Reliability: Simulation Methods. Journal of Water Resources Planning and Management - ASCE, 1988, 114, 276-294.	2.6	457
2	Water Distribution Reliability: Analytical Methods. Journal of Water Resources Planning and Management - ASCE, 1988, 114, 253-275.	2.6	182
3	Optimal design of water distribution networks. Water Resources Research, 1994, 30, 2637-2646.	4.2	165
4	Analysis of the linear programming gradient method for optimal design of water supply networks. Water Resources Research, 1989, 25, 1469-1480.	4.2	155
5	Optimal Design and Operation of Water Distribution Systems. Water Resources Research, 1974, 10, 27-36.	4.2	94
6	Groundwater quality management under uncertainty: stochastic programming approaches and the value of information. Water Resources Research, 1992, 28, 1233-1246.	4.2	88
7	Reliability simulation of water distribution systems "single and multiquality. Urban Water, 2002, 4, 53-61.	0.5	78
8	Design of Optimal Reliable Multiquality Water-Supply Systems. Journal of Water Resources Planning and Management - ASCE, 1996, 122, 322-333.	2.6	69
9	Conceptual design of a generic, real-time, near-optimal control system for water-distribution networks. Journal of Hydroinformatics, 2007, 9, 3-14.	2.4	63
10	Optimizing the operation of the Haifa-A water-distribution network. Journal of Hydroinformatics, 2007, 9, 51-64.	2.4	62
11	Optimal Real-Time Operation of Urban Water Distribution Systems Using Reduced Models. Journal of Water Resources Planning and Management - ASCE, 2008, 134, 181-185.	2.6	62
12	Optimal water management and conflict resolution: The Middle East Water Project. Water Resources Research, 2002, 38, 25-1-25-17.	4.2	59
13	A methodology for least-cost design of invulnerable water distribution networks. Civil Engineering and Environmental Systems, 1990, 7, 20-28.	0.2	48
14	Limited multi-stage stochastic programming for managing water supply systems. Environmental Modelling and Software, 2013, 41, 53-64.	4.5	48
15	Optimal Operation of Multiquality Networks. I: Steady-State Conditions. Journal of Water Resources Planning and Management - ASCE, 1993, 119, 645-662.	2.6	47
16	Water-sensitive planning: integrating water considerations into urban and regional planning. Water and Environment Journal, 2010, 24, 181-191.	2.2	46
17	The characteristic time scale for basin hydrological response using radar data. Journal of Hydrology, 2001, 252, 85-99.	5.4	42
18	Development of institutional frameworks for the management of transboundary water resources. International Journal of Global Environmental Issues, 2001, 1, 306.	0.1	41

#	ARTICLE	IF	CITATIONS
19	Water consumption patterns as a basis for water demand modeling. <i>Water Resources Research</i> , 2015, 51, 8165-8181.	4.2	40
20	Water supply reliability theory. <i>Journal - American Water Works Association</i> , 1981, 73, 379-384.	0.3	38
21	OPTIMAL OPERATION OF MULTI-QUALITY WATER SUPPLY SYSTEMS-II: THE Q-H MODEL. <i>Engineering Optimization</i> , 2000, 32, 687-719.	2.6	36
22	Optimal Operation of Multiquality Networks. II: Unsteady Conditions. <i>Journal of Water Resources Planning and Management - ASCE</i> , 1993, 119, 663-684.	2.6	34
23	OPTIMAL OPERATION OF RESERVOIRS BY STOCHASTIC PROGRAMMING. <i>Engineering Optimization</i> , 1991, 17, 293-312.	2.6	33
24	Engineering Analysis of Water Distribution Systems. <i>Journal - American Water Works Association</i> , 1977, 69, 510-514.	0.3	32
25	Water-sensitive Urban Planning: Protecting Groundwater. <i>Journal of Environmental Planning and Management</i> , 1997, 40, 413-434.	4.5	32
26	Containing groundwater contamination: Planning models using stochastic programming with recourse. <i>European Journal of Operational Research</i> , 1994, 77, 1-26.	5.7	29
27	Schematic Models for Distribution Systems Design. I: Combination Concept. <i>Journal of Water Resources Planning and Management - ASCE</i> , 1988, 114, 129-140.	2.6	27
28	OPTIMAL OPERATION OF MULTI-QUALITY WATER SUPPLY SYSTEMS-I: INTRODUCTION AND THE Q-C MODEL. <i>Engineering Optimization</i> , 2000, 32, 549-584.	2.6	26
29	Optimal management of a regional aquifer under salinization conditions. <i>Water Resources Research</i> , 2000, 36, 3193-3203.	4.2	24
30	Water-Sensitive Urban Planning: Modeling On-Site Infiltration. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2001, 127, 78-88.	2.6	23
31	OPTIMAL OPERATION OF MULTIQUALITY WATER SUPPLY SYSTEMS-III: THE Q-C-H MODEL. <i>Engineering Optimization</i> , 2000, 33, 1-35.	2.6	22
32	Optimal multiyear management of a water supply system under uncertainty: Robust counterpart approach. <i>Water Resources Research</i> , 2011, 47, .	4.2	22
33	Optimization in water distribution systems engineering. <i>Mathematical Programming Studies</i> , 1979, , 65-84.	0.8	21
34	Objective, observations-based, automatic estimation of the catchment response timescale. <i>Water Resources Research</i> , 2002, 38, 30-1-30-16.	4.2	21
35	Incorporating reliability in optimal design of water distribution networks—review and new concepts. <i>Reliability Engineering and System Safety</i> , 1993, 42, 5-11.	8.9	19
36	Sensitivity analysis of optimal operation of irrigation supply systems with water quality considerations. <i>Irrigation and Drainage Systems</i> , 2004, 18, 227-253.	0.5	13

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37	Negotiation Support for Cooperative Allocation of a Shared Water Resource: Methodology. Journal of Water Resources Planning and Management - ASCE, 2009, 135, 60-69.	2.6	13
38	Optimal Extraction of Water from Regional Aquifer under Salinization. Journal of Water Resources Planning and Management - ASCE, 2001, 127, 71-77.	2.6	10
39	Comparison of models for optimal operation of multiquality water supply networks. Engineering Optimization, 2003, 35, 579-605.	2.6	8
40	Negotiation Support for Cooperative Allocation of a Shared Water Resource: Application. Journal of Water Resources Planning and Management - ASCE, 2009, 135, 70-79.	2.6	8
41	Optimisation of complex water supply systems with water quality, hydraulic and treatment plant aspects. Civil Engineering and Environmental Systems, 2009, 26, 295-321.	0.9	8
42	Seasonal multi-year optimal management of quantities and salinities in regional water supply systems. Environmental Modelling and Software, 2012, 37, 55-67.	4.5	7
43	Experiences in multiobjective planning and management of water resources systems. Hydrological Sciences Journal, 1983, 28, 77-92.	2.6	6
44	Water quality aspects of optimal operation of rural water distribution systems for supply of irrigation and drinking water. Irrigation and Drainage, 2004, 53, 339-361.	1.7	6
45	Implicit Mean-Variance Approach for Optimal Management of a Water Supply System under Uncertainty. Journal of Water Resources Planning and Management - ASCE, 2013, 139, 634-643.	2.6	6
46	Application of operations research in Israel's water sector. European Journal of Operational Research, 1980, 5, 332-345.	5.7	5
47	Schematic Models for Distribution Systems Design, II Continuum Approach. Journal of Water Resources Planning and Management - ASCE, 1988, 114, 141-162.	2.6	4
48	Managing Groundwater Levels in an Agricultural Area with Peat Soils. Journal of Water Resources Planning and Management - ASCE, 2004, 130, 243-254.	2.6	4
49	Design of irrigation water supply systems using the "C" feasibility domain concept: I. Introduction and theory. Irrigation and Drainage, 2009, 58, 50-60.	1.7	3
50	Optimization Methodology for Estimating Pump Curves Using SCADA Data. Water (Switzerland), 2021, 13, 586.	2.7	2
51	IUGG in the 21st century. History of Geo- and Space Sciences, 2019, 10, 73-95.	0.4	2
52	Optimal operation of the pumping stations in the Kinnereth-Eshkol section of the national water carrier. Journal of Hydrology, 1976, 28, 271-288.	5.4	1
53	A SIMPLE HYDRAULIC SIMULATOR. Journal of the American Water Resources Association, 1978, 14, 12-23.	2.4	0
54	Reply [to "Comment on "Optimal design of water distribution networks" by Gideon Eiger, Uri Shamir, and Aharon Ben-Tal]. Water Resources Research, 1996, 32, 1903-1904.	4.2	0

#	ARTICLE	IF	CITATIONS
55	Water Management in 2050. , 2012, , 35-45.		0