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Pressure Control for Leakage Minimisation in Water Distribution Systems Management

DOI: 10.1007/s11269-006-4635-3

Water Resources Management, 2006, 20, 133-149.

Source: <https://exaly.com/paper-pdf/40625353/citation-report.pdf>

Version: 2024-04-25

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#	Paper	IF	Citations
258	Identifying Pipes and Valves of High Importance for Efficient Operation and Maintenance of Water Distribution Systems. <i>Water Resources Management</i> , 2008 , 22, 719-736	3.7	20
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256	Water Supply System Performance for Different Pipe Materials Part II: Sensitivity Analysis to Pressure Variation. <i>Water Resources Management</i> , 2009 , 23, 367-393	3.7	14
255	An Integrated Model to Evaluate Losses in Water Distribution Systems. <i>Water Resources Management</i> , 2009 , 23, 477-492	3.7	105
254	Location and Calibration of Valves in Water Distribution Networks Using a Scatter-Search Meta-heuristic Approach. <i>Water Resources Management</i> , 2009 , 23, 1479-1495	3.7	70
253	Conjunctive Management of Large-Scale Pressurized Water Distribution and Groundwater Systems in Semi-Arid Area with Parallel Genetic Algorithm. <i>Water Resources Management</i> , 2009 , 23, 1497-1517	3.7	20
252	Influence of Intermittent and Continuous Modes of Water Supply on Domestic Water Consumption. <i>Water Resources Management</i> , 2009 , 23, 2555-2566	3.7	42
251	Consumption management in water distribution systems by optimizing pressure reducing valves' settings using genetic algorithm. 2009 , 2, 96-102		6
250	Nonlinear Network Optimization—An Embedding Vector Space Approach. 2010 , 14, 206-226		23
249	A population dynamics approach for the water distribution problem. 2010 , 83, 1947-1964		39
248	RTC of Valves for Leakage Reduction in Water Supply Networks. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2010 , 136, 138-141	2.8	57
247	Estimation of the benefits yielded by pressure management in water distribution systems. <i>Urban Water Journal</i> , 2011 , 8, 65-77	2.3	43
246	Managing leaks using flow step-testing, network modeling, and field measurement. 2011 , 103, 90-97		8
245	Multi-criteria Decision Analysis: A Strategic Planning Tool for Water Loss Management. <i>Water Resources Management</i> , 2011 , 25, 3947-3969	3.7	83
244	Numerical simulation on pump as turbine: Mesh reliability and performance concerns. 2011 ,		19
243	Antioxidant and Protective Effects of Bupleurum falcatum on the L-Thyroxine-Induced Hyperthyroidism in Rats. 2012 , 2012, 578497		19
242	The role of oxidative stress on the pathogenesis of graves' disease. 2012 , 2012, 302537		42

241	Energy Production in Water Distribution Networks: A PAT Design Strategy. <i>Water Resources Management</i> , 2012 , 26, 3947-3959	3.7	139
240	The redox imbalance and the reduction of contractile protein content in rat hearts administered with L-thyroxine and Doxorubicin. 2012 , 2012, 681367		10
239	Innovative Urban Water Management as a Climate Change Adaptation Strategy: Results from the Implementation of the Project Water Against Climate Change (WATACLIC) <i>Water (Switzerland)</i> , 2012 , 4, 1025-1038	3	10
238	Detection of Leakage Freshwater and Friction Factor Calibration in Drinking Networks Using Central Force Optimization. <i>Water Resources Management</i> , 2012 , 26, 2347-2363	3.7	49
237	A Methodology for the Breakdown of NRW into Real and Administrative Losses. <i>Water Resources Management</i> , 2013 , 27, 1913-1930	3.7	7
236	Methods and Tools for Managing Losses in Water Distribution Systems. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2013 , 139, 166-174	2.8	78
235	Two-dimensional pipe leakage through a line crack in water distribution systems. 2013 , 14, 371-376		9
234	Water loss control using pressure management: life-cycle energy and air emission effects. 2013 , 47, 10771-80		26
233	Leakage Modeling and Leakage Control Analysis by Pressure Management in Water Supply System of DMA. 2013 ,		0
232	PAT Design Strategy for Energy Recovery in Water Distribution Networks by Electrical Regulation. <i>Energies</i> , 2013 , 6, 411-424	3.1	120
231	A Method to Calibrate P Controllers for the Real-Time Control of Pressures in Water Distribution Networks. 2013 ,		
230	Pump as Turbine (PAT) Design in Water Distribution Network by System Effectiveness. <i>Water (Switzerland)</i> , 2013 , 5, 1211-1225	3	62
229	The role of thyroid hormones as inductors of oxidative stress and neurodegeneration. 2013 , 2013, 218145		89
228	Advanced control of a water supply system: a case study. 2014 , 9, 264-276		11
227	WDS Leakage Management through Pressure Control and Pipes Rehabilitation Using an Optimization Approach. 2014 , 89, 21-28		10
226	Sequential Multi-objective Evolutionary Algorithm for a Real-world Water Distribution System Design. 2014 , 89, 95-102		6
225	Optimal Water Supply System Management by Leakage Reduction and Energy Recovery. 2014 , 89, 573-580		9
224	Leak Size, Detectability and Test Conditions in Pressurized Pipe Systems. <i>Water Resources Management</i> , 2014 , 28, 4583-4598	3.7	48

223	PAT Efficiency Variation with Design Parameters. 2014 , 70, 285-291		20
222	Energy and hydraulic efficiency in conventional water supply systems. 2014 , 30, 701-714		56
221	Review on water leakage control in distribution networks and the associated environmental benefits. 2014 , 26, 955-61		40
220	Application of active disturbance rejection controller to water supply system. 2014 ,		10
219	Optimal Location of PRVs and Turbines in Water Distribution Systems. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2014 , 140, 06014004	2.8	58
218	Energy Recovery in Water Systems by PATs: A Comparisons among the Different Installation Schemes. 2014 , 70, 275-284		51
217	Optimal Localization of Pressure Reducing Valves in Water Distribution Systems by a Reformulation Approach. <i>Water Resources Management</i> , 2014 , 28, 3057-3074	3.7	29
216	Water Saving and Energy Reduction through Pressure Management in Urban Water Distribution Networks. <i>Water Resources Management</i> , 2014 , 28, 3715-3726	3.7	26
215	Optimal Design of District Metered Areas in Water Distribution Networks. 2014 , 70, 449-457		14
214	Integrated Optimal Cost and Pressure Management for Water Distribution Systems. 2014 , 70, 1659-1668		16
213	Cost-Benefit Analysis for Hydropower Production in Water Distribution Networks by a Pump as Turbine. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2014 , 140, 04014002	2.8	58
212	A Heuristic Approach to the Water Networks Pumping Scheduling Issue. 2015 , 75, 2846-2851		1
211	Water losses dynamic modelling in water distribution networks. 2015 ,		0
210	Management tools for hydro energy interventions in water supply systems. 2015 , 10, 214-228		5
209	Does Pressure Reduction Test have Significant Effect on Evaluating Pressure Management to Reduce Physical Leakage Amount?. 2015 , 119, 1020-1029		
208	Pressure Management and Electric Power Production Using Pumps as Turbines. 2015 , 107, E351-E363		13
207	Urban Evolution: The Role of Water. <i>Water (Switzerland)</i> , 2015 , 7, 4063-4087	3	58
206	Role of Oxidative Stress in Thyroid Hormone-Induced Cardiomyocyte Hypertrophy and Associated Cardiac Dysfunction: An Undisclosed Story. 2015 , 2015, 854265		27

205	Multiobjective Optimization of Pipe Replacements and Control Valve Installations for Leakage Attenuation in Water Distribution Networks. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2015 , 141, 04014059	2.8	45
204	Water Distribution System Modeling and Optimization: A Case Study. 2015 , 119, 719-724		4
203	Population dynamics approach for resource allocation problems. 2015 ,		3
202	Extended Period Simulation of Pressure-Deficient Networks Using Pressure Reducing Valves. <i>Water Resources Management</i> , 2015 , 29, 1713-1730	3.7	26
201	Hydropower Potential in Water Distribution Networks: Pressure Control by PATs. <i>Water Resources Management</i> , 2015 , 29, 699-714	3.7	94
200	Improving water and energy metabolism efficiency in urban water supply system through pressure stabilization by optimal operation on water tanks. 2015 , 26, 111-116		6
199	Cost-Benefit Analysis and Uncertainty Analysis of Water Loss Reduction Measures: Case Study of the Gothenburg Drinking Water Distribution System. <i>Water Resources Management</i> , 2015 , 29, 5451-5468 ^{3.7}	3.7	16
198	Efficiency of Evolutionary Algorithms in Water Network Pipe Sizing. <i>Water Resources Management</i> , 2015 , 29, 4817-4831	3.7	37
197	Performance measurement and indicators for water supply management: Review and international cases. 2015 , 43, 1-12		66
196	Embedding linear programming in multi objective genetic algorithms for reducing the size of the search space with application to leakage minimization in water distribution networks. 2015 , 69, 308-318		40
195	Knowledge-Based Optimization Model for Control Valve Locations in Water Distribution Networks. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2015 , 141, 04014048	2.8	28
194	Importance of pressure reducing valves (PRVs) in water supply networks.. 2016 , 738, 012026		1
193	A Methodology for the Optimization of Flow Rate Injection to Looped Water Distribution Networks through Multiple Pumping Stations. <i>Water (Switzerland)</i> , 2016 , 8, 575	3	9
192	A Study of Energy Optimisation of Urban Water Distribution Systems Using Potential Elements. <i>Water (Switzerland)</i> , 2016 , 8, 593	3	22
191	Energy Saving in Water Distribution Network through Pump as Turbine Generators: Economic and Environmental Analysis. <i>Energies</i> , 2016 , 9, 877	3.1	32
190	Evaluating Water Supply Risk in the Middle and Lower Reaches of Hanjiang River Basin Based on an Integrated Optimal Water Resources Allocation Model. <i>Water (Switzerland)</i> , 2016 , 8, 364	3	13
189	Forming District Metered Areas in a Water Distribution Network Using Genetic Algorithms. 2016 , 162, 511-520		9
188	Developing an Optimization Algorithm to form District Metered Areas in a Water Distribution System. 2016 , 162, 530-536		8

187	Impedance Method for Abnormality Detection of a Branched Pipeline System. <i>Water Resources Management</i> , 2016 , 30, 1101-1115	3-7	29
186	Leak Prediction Model for Water Distribution Networks Created Using a Bayesian Network Learning Approach. <i>Water Resources Management</i> , 2016 , 30, 2719-2733	3-7	30
185	Optimization of Osmotic Desalination Plants for Water Supply Networks. <i>Water Resources Management</i> , 2016 , 30, 3965-3978	3-7	14
184	Supporting Real-time Pressure Control in Opegged Municipality with WNetXL. 2016 , 154, 71-79		7
183	Water pressure control based on disturbance observer in hydraulic classification. 2016 ,		
182	Field-Oriented Methodology for Real-Time Pressure Control to Reduce Leakage in Water Distribution Networks. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2016 , 142, 04016057 ^{2,8}		35
181	Opportunity and Economic Feasibility of Inline Microhydropower Units in Water Supply Networks. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2016 , 142, 04016052	2.8	16
180	Real-time Adjustment of Pressure to Demand in Water Distribution Systems: Parameter-less P-controller Algorithm. 2016 , 154, 391-397		20
179	Leakage as Pressure-Driven Demand in Design of Water Distribution Networks. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2016 , 142, 04016005	2.8	12
178	Real Time Control of a Prototype for Pressure Regulation and Energy Production in Water Distribution Networks. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2016 , 142, 04016015 ^{2,8}		30
177	Performance indicators matrix as a methodology for energy management in municipal water services. 2016 , 125, 108-120		23
176	An improved affinity model to enhance variable operating strategy for pumps used as turbines. 2016 , 54, 332-341		56
175	Optimal Location and Setting of PRVs in WDS for Leakage Minimization. <i>Water Resources Management</i> , 2016 , 30, 1803-1817	3-7	35
174	Simulated Annealing in Optimization of Energy Production in a Water Supply Network. <i>Water Resources Management</i> , 2016 , 30, 1533-1547	3-7	54
173	Optimisation of leakage and energy in the Abbiategrosso district. 2016 , 33, 22-34		9
172	Optimal Pressure Regulation in Water Distribution Systems Based on an Extended Model for Pressure Reducing Valves. <i>Water Resources Management</i> , 2016 , 30, 1239-1254	3-7	23
171	A jazz-based approach for optimal setting of pressure reducing valves in water distribution networks. 2016 , 48, 727-739		22
170	Pressure Management in Water Distribution Systems: Current Status, Proposals, and Future Trends. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2016 , 142, 04015061	2.8	61

169	Real Time Water Utility Model Using GIS: A Case Study in Coimbatore District. 2016 , 115-123		1
168	Rehabilitation of a Water Distribution System Using Sequential Multiobjective Optimization Models. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2016 , 142,	2.8	6
167	Optimization of Water Distribution Networks for Combined Hydropower Energy Recovery and Leakage Reduction. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2016 , 142, 04015045	2.8	41
166	Investigation of the Ability to Accurately Estimate Background Leakage Parameters in WDS Network Simulation Models. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2017 , 143, 04017002	2.8	2
165	Pressure Management Through Optimal Location and Setting of Valves in Water Distribution Networks Using a Music-Inspired Approach. <i>Water Resources Management</i> , 2017 , 31, 1517-1533	3.7	13
164	Location and Setting of Valves in Water Distribution Networks Using a Harmony Search Approach. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2017 , 143, 04017015	2.8	17
163	Penalty and relaxation methods for the optimal placement and operation of control valves in water supply networks. 2017 , 67, 201-223		8
162	Optimization techniques for leakage management in urban water distribution networks. 2017 , 17, 1638-1652		6
161	Strategies for the electric regulation of pressure control valves. <i>Journal of Hydroinformatics</i> , 2017 , 19, 621-639	2.6	12
160	Minimizing Excess Pressures by Optimal Valve Location and Opening Determination in Water Distribution Networks. 2017 , 186, 319-326		4
159	Pressure Management of Water Distribution Systems via the Remote Real-Time Control of Variable Speed Pumps. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2017 , 143, 04017045	2.8	33
158	Selection and location of Pumps as Turbines substituting pressure reducing valves. <i>Renewable Energy</i> , 2017 , 109, 392-405	8.1	44
157	A lab prototype of pressure control in water distribution networks. 2017 , 50, 15373-15378		4
156	Dictionary learning strategies for sensor placement and leakage isolation in water networks. 2017 , 50, 1553-1558		2
155	Economic Analysis of Pressure Control for Leakage and Pipe Burst Reduction. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2017 , 143, 04017074	2.8	33
154	Hydraulic characterization and transient response of pressure reducing valves: laboratory experiments. <i>Journal of Hydroinformatics</i> , 2017 , 19, 798-810	2.6	20
153	Optimal Location of Pump as Turbines (PATs) in Water Distribution Networks to Recover Energy and Reduce Leakage. <i>Water Resources Management</i> , 2017 , 31, 5043-5059	3.7	52
152	Optimizing DMAs' formation in a water pipe network: the water aging and the operating pressure factors. <i>Journal of Hydroinformatics</i> , 2017 , 19, 890-899	2.6	9

151	Forming DMAs in a water distribution network considering the operating pressure and the chlorine residual concentration as the design parameters. <i>Journal of Hydroinformatics</i> , 2017 , 19, 900-910	2.6	9
150	Introducing a Novel Flexible Conjunction System to Pressure Control in Water Distribution Networks. <i>Water Resources Management</i> , 2017 , 31, 4323-4338	3.7	2
149	Unsteady Flow Modeling of Pressure Real-Time Control in Water Distribution Networks. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2017 , 143, 04017056	2.8	29
148	A population game approach for dynamic resource allocation problems. 2017 , 90, 1957-1972		6
147	Scalable Pareto set generation for multiobjective co-design problems in water distribution networks: a continuous relaxation approach. 2017 , 55, 857-869		15
146	Designing a business model for smart water management system with the smart metering system as a core technology: Case study: Indonesian drinking water utilities. 2017 ,		2
145	A New Device for Pressure Control and Energy Recovery in Water Distribution Networks. <i>Water (Switzerland)</i> , 2017 , 9, 309	3	28
144	Leakage Detection and Estimation Algorithm for Loss Reduction in Water Piping Networks. <i>Water (Switzerland)</i> , 2017 , 9, 773	3	38
143	Energy Production by Means of Pumps As Turbines in Water Distribution Networks. <i>Energies</i> , 2017 , 10, 1666	3.1	16
142	CFD Analyses and Experiments in a PAT Modeling: Pressure Variation and System Efficiency. 2017 , 2, 51		6
141	Hybrid SOM+ k -Means clustering to improve planning, operation and management in water distribution systems. 2018 , 106, 77-88		25
140	A new low-cost installation scheme of PATs for pico-hydropower to recover energy in residential areas. <i>Renewable Energy</i> , 2018 , 125, 1003-1014	8.1	29
139	Water and energy saving potential by adopting pressure-reducing measures in high-rise building: A case analysis. 2018 , 39, 505-517		4
138	A Superposed Model for the Pipe Failure Assessment of Water Distribution Networks and Uncertainty Analysis: A Case Study. <i>Water Resources Management</i> , 2018 , 32, 1713-1723	3.7	6
137	Development of Multiple Leakage Detection Method for a Reservoir Pipeline Valve System. <i>Water Resources Management</i> , 2018 , 32, 2099-2112	3.7	13
136	Composite disturbance rejection control for hydraulic classification. 2018 , 40, 1863-1872		
135	Evaluation of performance and environmental benefits of a full-scale pump as turbine system in Antalya water distribution network. 2018 , 18, 130-141		11
134	Modified Affinity Laws in Hydraulic Machines towards the Best Efficiency Line. <i>Water Resources Management</i> , 2018 , 32, 829-844	3.7	11

133	Optimal energy recovery by means of pumps as turbines (PATs) for improved WDS management. 2018 , 18, 1365-1374		15
132	Real-Time Control of a PRV in Water Distribution Networks for Pressure Regulation: Theoretical Framework and Laboratory Experiments. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2018 , 144, 04017075	2.8	26
131	Location of a PAT in a Water Transmission and Distribution System. 2018 , 139-171		
130	PATs selection towards sustainability in irrigation networks: Simulated annealing as a water management tool. <i>Renewable Energy</i> , 2018 , 116, 234-249	8.1	25
129	Hybrid Leakage Management for Water Network Using PSF Algorithm and Soft Computing Techniques. <i>Water Resources Management</i> , 2018 , 32, 1133-1151	3.7	14
128	Optimal Pump Scheduling to Pressure Management for Large-Scale Water Distribution Systems. 2018 , 532-541		1
127	Potential Micro-Hydropower Generation in Community-Owned Rural Water Supply Networks in Ireland. 2018 , 2, 677		2
126	Automation with renewable energy to optimize the exploitation of water supply networks in Ninh Thuan province. 2018 , 193, 02001		
125	Using a Genetic Algorithm with a Mathematical Programming Solver to Optimize a Real Water Distribution System. <i>Water (Switzerland)</i> , 2018 , 10, 1318	3	6
124	Advances in Water Distribution Networks. <i>Water (Switzerland)</i> , 2018 , 10, 1546	3	1
123	Artificial Neural Networks in Water Distribution Systems: A Literature Synopsis. 2018 ,		1
122	Evolution of research on water leakage control strategies: where are we now?. <i>Urban Water Journal</i> , 2018 , 15, 812-826	2.3	13
121	Improving Water Distribution Systems Robustness through Optimal Valve Installation. <i>Water (Switzerland)</i> , 2018 , 10, 1223	3	11
120	A Comprehensive Framework to Evaluate Hydraulic and Water Quality Impacts of Pipe Breaks on Water Distribution Systems. 2018 , 54, 8174-8195		22
119	A Selective Literature Review on Leak Management Techniques for Water Distribution System. <i>Water Resources Management</i> , 2018 , 32, 3247-3269	3.7	40
118	Optimal Operation of Water Distribution Systems Using a Graph TheoryBased Configuration of District Metered Areas. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2018 , 144, 04018042	2.8	13
117	Combining Skeletonization, Setpoint Curves, and Heuristic Algorithms to Define District Metering Areas in the Battle of Water Networks District Metering Areas. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2018 , 144, 04018023	2.8	7
116	Joint Operation of Pressure-Reducing Valves and Pumps for Improving the Efficiency of Water Distribution Systems. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2018 , 144, 04018055	2.8	16

115	PATs Operating in Water Networks under Unsteady Flow Conditions: Control Valve Manoeuvre and Overspeed Effect. <i>Water (Switzerland)</i> , 2018 , 10, 529	3	10
114	Design strategy to maximize recovery energy towards smart water grids: case study. <i>Urban Water Journal</i> , 2018 , 15, 329-337	2.3	7
113	Comparison of Algorithms for the Optimal Location of Control Valves for Leakage Reduction in WDNs. <i>Water (Switzerland)</i> , 2018 , 10, 466	3	13
112	Relevance of hydraulic modelling in planning and operating real-time pressure control: case of Oppegård municipality. <i>Journal of Hydroinformatics</i> , 2018 , 20, 535-550	2.6	8
111	Leakage reduction in water distribution system using efficient pressure management techniques. Case study: Nagpur, India. 2018 , 18, 2015-2027		10
110	Multiobjective Optimization of Control Valve Installation and DMA Creation for Reducing Leakage in Water Distribution Networks. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2019 , 145, 04019046	2.8	17
109	Impact of Pressure-Driven Demand on Background Leakage Estimation in Water Supply Networks. <i>Water (Switzerland)</i> , 2019 , 11, 1600	3	7
108	Simultaneous Sensor Placement and Pressure Reducing Valve Localization for Pressure Control of Water Distribution Systems. <i>Water (Switzerland)</i> , 2019 , 11, 1352	3	5
107	A Model for Selecting the Most Cost-Effective Pressure Control Device for More Sustainable Water Supply Networks. <i>Water (Switzerland)</i> , 2019 , 11, 1297	3	18
106	Real time control of water distribution networks: A state-of-the-art review. <i>Water Research</i> , 2019 , 161, 517-530	12.5	43
105	Coupled Electric and Hydraulic Control of a PRS Turbine in a Real Transport Water Network. <i>Water (Switzerland)</i> , 2019 , 11, 1194	3	6
104	Integrated pressure control strategies for sustainable management of water distribution networks. 2019 , 85, 06005		2
103	Valve Maneuver Prediction in Simple and Complicated Pipeline Systems. <i>Water Resources Management</i> , 2019 , 33, 4671-4685	3.7	1
102	Water Distribution Networks Model Identification using Artificial Neural Networks. 2019 ,		
101	Pressure Management of Large-Scale Water Distribution Network Using Optimal Location and Valve Setting. <i>Water Resources Management</i> , 2019 , 33, 4701-4713	3.7	7
100	Pressure management for leakage reduction using pressure reducing valves. Case study in an Andean city. 2019 , 58, 1313-1326		10
99	Potential of Energy Recovery and Water Saving Using Micro-Hydropower in Rural Water Distribution Networks. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2019 , 145, 05019001	2.8	13
98	Influence of Hole Geometry and Position in Leaking Pipes under Combined Pressure and Bending Regimes. <i>Journal of Hydraulic Engineering</i> , 2019 , 145, 04018081	1.8	4

97	Recycling and Reuse Approaches for Better Sustainability. <i>Environmental Science and Engineering</i> , 2019 ,	0.2	3
96	Remote real-time pressure control via a variable speed pump in a specific water distribution system. 2019 , 68, 20-28		10
95	Global optimality bounds for the placement of control valves in water supply networks. 2019 , 20, 457-495		8
94	Experimental and numerical analysis of a backpressure Banki inline turbine for pressure regulation and energy production. <i>Renewable Energy</i> , 2020 , 149, 980-986	8.1	9
93	Comparative Study of Pressure Control Modes Impact on Water Distribution System Performance. <i>Water Resources Management</i> , 2020 , 34, 231-244	3.7	2
92	Multi-model based pressure optimization for large-scale water distribution networks. 2020 , 95, 104232		2
91	Performance Assessment of Water Distribution Systems Subject to Leakage and Temporal Variability of Water Demand. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2020 , 146, 04019069	2.8	1
90	Zero-net energy management for the monitoring and control of dynamically-partitioned smart water systems. 2020 , 252, 119745		42
89	Towards Model-Free Pressure Control in Water Distribution Networks. <i>Water (Switzerland)</i> , 2020 , 12, 2697	3	3
88	UrbanWater: Integrating EPANET 2 in a PostgreSQL/PostGIS-Based Geospatial Database Management System. 2020 , 9, 613		1
87	A New Preliminary Model to Optimize PATs Location in a Water Distribution Network. 2020 , 2, 57		3
86	Computer-aided security assessment of water networks monitoring platforms. 2020 , 31, 100390		1
85	Application of Innovative Technologies for Active Control and Energy Efficiency in Water Supply Systems. <i>Water (Switzerland)</i> , 2020 , 12, 3278	3	2
84	A MINLP Model for Optimal Localization of Pumps as Turbines in Water Distribution Systems Considering Power Generation Constraints. <i>Water (Switzerland)</i> , 2020 , 12, 1979	3	7
83	Laboratory experiments and simulation analysis to evaluate the application potential of pressure remote RTC in water distribution networks. <i>Water Research</i> , 2020 , 183, 116072	12.5	6
82	Overview of Energy Management and Leakage Control Systems for Smart Water Grids and Digital Water. 2020 , 1, 134-155		8
81	A novel hybrid entropy-clustering approach for optimal placement of pressure sensors for leakage detection in water distribution systems under uncertainty. <i>Urban Water Journal</i> , 2020 , 17, 185-198	2.3	6
80	Leakage reduction in WDNs through optimal setting of PATs with a derivative-free optimizer. <i>Journal of Hydroinformatics</i> , 2020 , 22, 713-724	2.6	5

79	Leak management in district metered areas with internal-pressure reducing valves. <i>Urban Water Journal</i> , 2020 , 17, 714-722	2.3	1
78	A Survey of Pressure Control Approaches in Water Supply Systems. <i>Water (Switzerland)</i> , 2020 , 12, 1732	3	5
77	Optimal Operational Scheduling of Available Partially Closed Valves for Pressure Management in Water Distribution Networks. <i>Water Resources Management</i> , 2020 , 34, 2571-2583	3.7	3
76	Pressure Regulation vs. Water Aging in Water Distribution Networks. <i>Water (Switzerland)</i> , 2020 , 12, 1323	3	2
75	Energy Recovery and Leakage-Reduction Optimization of Water Distribution Systems Using Hydro Turbines. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2020 , 146, 04020026	2.8	10
74	Perspectives of Water Distribution Networks with the GreenValve System. <i>Water (Switzerland)</i> , 2020 , 12, 1579	3	9
73	A review of nonrevenue water assessment software tools. 2020 , 7, e1413		4
72	Optimal Location and Sizing of Scour Valves in Water Distribution Networks. 2020 , 11, 04019056		1
71	Nodal Matrix Analysis for Optimal Pressure-Reducing Valve Localization in a Water Distribution System. <i>Energies</i> , 2020 , 13, 1878	3.1	4
70	Laboratory Analysis of a Piston-Actuated Pressure-Reducing Valve under Low Flow Conditions. <i>Water (Switzerland)</i> , 2020 , 12, 940	3	1
69	Fault Detection and Isolation in a Leaky Water Distribution Network Using Fuzzy Logic Control Based on Residual Pressure Analysis. 2021 , 763-776		
68	District metered area design through multicriteria and multiobjective optimization.		4
67	Hydraulic Simulation and Optimisation of Water Transmission and Distribution Systems. 2021 , 629-797		1
66	Impact of networks sectorization on water pressure transient in pipelines [Case study of Casablanca city, Morocco. 2021 ,		
65	Fiziki Kayıpların Azaltılmasında Zole Alt Bölümlerin Etkin Yöntemi.		
64	Review on pump as turbine application in water distribution networks for power generation. 2021 ,		2
63	Analysis of the effect of pressure control on leakages in distribution systems by FAVAD equation and field applications. 2021 , 16, 320-332		1
62	Optimal Pressure Management in Water Distribution Systems Using an Accurate Pressure Reducing Valve Model Based Complementarity Constraints. <i>Water (Switzerland)</i> , 2021 , 13, 825	3	3

61	Relax-tighten-round algorithm for optimal placement and control of valves and chlorine boosters in water networks. 2021 , 295, 690-690		2
60	Su terfi istasyonlar için yalın kayımlaştırımı için yeni bir algoritma.		0
59	Assessing the Impact of Partitioning on Optimal Installation of Control Valves for Leakage Minimization in WDNs. <i>Water (Switzerland)</i> , 2021 , 13, 1003	3	1
58	A new mixed integer non-linear programming model for optimal PAT and PRV location in water distribution networks. <i>Urban Water Journal</i> , 2021 , 18, 394-409	2.3	10
57	DMA Segmentation and Multiobjective Optimization for Trading Off Water Age, Excess Pressure, and Pump Operational Cost in Water Distribution Systems. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2021 , 147, 04021006	2.8	2
56	Investigating Application of Adaptive Neuro Fuzzy Inference Systems Method and Epanet Software for Modeling Green Space Water Distribution Network. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2021 , 45, 2765	1.1	1
55	Optimization-Based Methodology for Selection of Pump-as-Turbine in Water Distribution Networks: Effects of Different Objectives and Machine Operation Limits on Best Efficiency Point. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2021 , 147, 04021019	2.8	4
54	Sustainable Water-Energy Nexus towards Developing Countries—Water Sector Efficiency. <i>Energies</i> , 2021 , 14, 3525	3.1	6
53	Field Measurements and Numerical Modeling of Hydraulic Transients in HDPE Pipeline with PRV Interaction. <i>Journal of Hydraulic Engineering</i> , 2021 , 147, 04021018	1.8	1
52	Optimal Placement and Regulation of Pressure Reducing Valves in Water Distribution Systems to Water Leakage Reduction. 2021 ,		
51	Leakage Management and Pipe System Efficiency. Its Influence in the Improvement of the Efficiency Indexes. <i>Water (Switzerland)</i> , 2021 , 13, 1909	3	10
50	A new mathematical program with complementarity constraints for optimal localization of pressure reducing valves in water distribution systems. <i>Applied Water Science</i> , 2021 , 11, 1	5	
49	Improving Water Age in Distribution Systems by Optimal Valve Operation. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2021 , 147, 04021046	2.8	0
48	Regulation response of pilot operated diaphragm pressure reducing valves: laboratory testing and impact on the performance of pressure control modes in water distribution systems. <i>Canadian Journal of Civil Engineering</i> ,	1.3	
47	Optimization of Water Pressure of a Distribution Network within the Water-Energy Nexus. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 8371	2.6	
46	A novel pressure regulation system based on Banki hydro turbine for energy recovery under in-range and out-range discharge conditions. <i>Energy Conversion and Management</i> , 2021 , 243, 114417	10.6	3
45	Spatiotemporal Correlation Feature Spaces to Support Anomaly Detection in Water Distribution Networks. <i>Water (Switzerland)</i> , 2021 , 13, 2551	3	2
44	Numerical analysis of a new cross-flow type hydraulic turbine for high head and low flow rate. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2021 , 15, 1491-1507	4.5	3

43	Pressure Management Strategies for Water Loss Reduction in Large-Scale Water Piping Networks: A Review. <i>Springer Water</i> , 2018 , 465-480	0.3	8
42	Parameter-Less Remote Real-Time Control for the Adjustment of Pressure in Water Distribution Systems. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2017 , 143, 04017050	2.8	29
41	Leakage Reduction in Water Distribution Systems with Efficient Placement and Control of Pressure Reducing Valves Using Soft Computing Techniques. <i>Engineering, Technology & Applied Science Research</i> , 2017 , 7, 1528-1534	1	17
40	Huella energética del agua en función de los patrones de consumo en redes de distribución. <i>Ingeniería Del Agua</i> , 2017 , 21, 197	0.7	3
39	A Methodology for Evaluating the Superiority between Different Valve Distributions Based on Pipe and Valve Failure Simulation. <i>Journal of Korea Water Resources Association</i> , 2007 , 40, 495-502		
38	A Generalized Overview of Artificial Neural Network and Genetic Algorithm. 2010 , 393-415		3
37	Excess Pressure in Municipal Water Supply Systems as a Renewable Energy Source: Antalya Case Study. <i>Environmental Science and Engineering</i> , 2019 , 113-126	0.2	
36	Genetic Algorithm based Pressure Management Technique for Leakage reduction in the water Distribution System. 2020 ,		
35	Time-domain impedance method for transient analysis and leakage detection in reservoir pipeline valve systems. <i>Mechanical Systems and Signal Processing</i> , 2022 , 167, 108527	7.8	1
34	Gerçek Zamanlı Basınç Kontrolü ile Su Dağıtım Şebekesinde Su Kaybının Azaltılması Teknik Dergi/Technical Journal of Turkish Chamber of Civil Engineers,	2	2
33	Feasibility Analysis and Design of Water Distribution System for Ghadara (East Singhbhum District) Using Water Gems. <i>Lecture Notes in Civil Engineering</i> , 2022 , 371-381	0.3	0
32	Performance Prediction and Geometry Optimization for Application of Pump as Turbine: A Review. <i>Frontiers in Energy Research</i> , 2022 , 9,	3.8	6
31	A Graph Theory-Based Layout Algorithm for PRVs Placement and Setpoint Determination in Water Distribution Systems. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2022 , 148,	2.8	0
30	Discharge Redistribution as a Key Process for Heuristic Optimization of Energy Production with Pumps as Turbines in a Water Distribution Network. <i>Water Resources Management</i> , 2022 , 36, 1237-1250	3.7	0
29	Pressure Drop and Energy Recovery with a New Centrifugal Micro-Turbine: Fundamentals and Application in a Real WDN. <i>Energies</i> , 2022 , 15, 1528	3.1	3
28	Smart pressure management extension for EPANET: source code enhancement with a dynamic pressure reducing valve model. <i>Journal of Hydroinformatics</i> ,	2.6	0
27	Multi-objective optimization tool for PATs operation in water pressurized systems. <i>Urban Water Journal</i> , 1-11	2.3	0
26	Probabilistic framework for the parametric modeling of leakages in water distribution networks: large scale application to the City of Patras in Western Greece. <i>Stochastic Environmental Research and Risk Assessment</i> , 1	3.5	0

25	Improving the Efficiency of Distributed Water Supply Systems by Means of an Adjustable Electric Drive. <i>Scientific Horizons</i> , 2021 , 24, 19-34	0.4	1
24	Hydraulic Ram Pump Integration into Water Distribution Systems for Energy Recovery Application. <i>Water (Switzerland)</i> , 2022 , 14, 21	3	1
23	New Challenges towards Smart Systems Efficiency by Digital Twin in Water Distribution Networks. <i>Water (Switzerland)</i> , 2022 , 14, 1304	3	4
22	Development of an Intelligent Urban Water Network System. <i>Water (Switzerland)</i> , 2022 , 14, 1320	3	1
21	Multi-objective optimization of pressure sensor location for burst detection and network calibration. <i>Computers and Chemical Engineering</i> , 2022 , 162, 107826	4	2
20	An Operative Framework for the Optimal Selection of Centrifugal Pumps As Turbines (PATs) in Water Distribution Networks (WDNs). <i>Water (Switzerland)</i> , 2022 , 14, 1785	3	3
19	Hydraulic Ram Pump Application in Urban Water Distribution Systems. 2022 ,		
18	Pumps as turbines regulation study through a decision-support algorithm. <i>Renewable Energy</i> , 2022 , 194, 561-570	8.1	
17	Statistical framework for the detection of pressure regulation malfunctions and issuance of alerts in water distribution networks. <i>Stochastic Environmental Research and Risk Assessment</i> ,	3.5	0
16	Smart Hydropower Water Distribution Networks, Use of Artificial Intelligence Methods and Metaheuristic Algorithms to Generate Energy from Existing Water Supply Networks. <i>Energies</i> , 2022 , 15, 5166	3.1	
15	Pakistan Water Crisis and Behavioral Approach of Denizens Towards Its Conservation on the Bank of River Kabul. 2019 , 84, 113-124		
14	Bi-objective design-for-control for improving the pressure management and resilience of water distribution networks. <i>Water Research</i> , 2022 , 118914	12.5	1
13	ICT Smart Water Management System for Real-Time Applications. 2022 ,		0
12	Real Time Optimization for Operation of Water Distribution Systems to Water Leakage Reduction. 2022 ,		
11	Smart Lawn with Water Sprinkler for Garden Using Arduino UNO. 2022 , 2312, 012090		
10	Advanced Pressure Management for Sustainable Leakage Reduction and Service Optimization: A Case Study in Central Chile. 2022 , 14, 12463		0
9	Optimal design of district metered areas based on improved particle swarm optimization method for water distribution systems.		0
8	A Mixed Integer Non-Linear Programming Model for the Optimal Valve Placement within Water Distribution Networks.		0

7	Pressure management in water distribution systems through PRVs optimal placement and settings. 2022 , 226, 119236	1
6	Combining Statistical Clustering with Hydraulic Modeling for Resilient Reduction of Water Losses in Water Distribution Networks: Large Scale Application Study in the City of Patras in Western Greece. 2022 , 14, 3493	0
5	Pressure Reducing Valve Setting Performance in a Variable Demand Water Distribution Network.	0
4	Leakage Management Influence on Water Age of Water Distribution Networks. 2023 , 59,	0
3	Assessment of Water Loss in the Water Distribution Network of Bendjerrah Using a Combination Approach of Fixed Area Variable Area Discharge, Minimum Night Flow, and Epanet Calibrator. 2022 , 17, 1-14	0
2	Dynamically adaptive networks for integrating optimal pressure management and self-cleaning controls. 2023 ,	0
1	Systematic and scientometric analyses of predictors for modelling water pipes deterioration. 2023 , 149, 104710	0