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Energy Production in Water Distribution Networks: A PAT Design Strategy

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#	Paper	IF	Citations
159	Banki-Michell Optimal Design by Computational Fluid Dynamics Testing and Hydrodynamic Analysis. <b>2013</b> , 6, 2362-2385		84
158	PAT Design Strategy for Energy Recovery in Water Distribution Networks by Electrical Regulation. <b>2013</b> , 6, 411-424		120
157	Pump as Turbine (PAT) Design in Water Distribution Network by System Effectiveness. <i>Water (Switzerland)</i> , <b>2013</b> , 5, 1211-1225	3	62
156	Evaluation of PAT Performances by Modified Affinity Law <b>2014</b> , 89, 581-587		21
155	Energy Recovery in Water Distribution Networks. Implementation of Pumps as Turbine in a Dynamic Numerical Model. <b>2014</b> , 70, 439-448		42
154	PAT Efficiency Variation with Design Parameters. <b>2014</b> , 70, 285-291		20
153	Efficiency achievement in water supply systems review. <b>2014</b> , 30, 59-84		102
152	Efficiency and performance of a drinking water supply network for an urban cluster at Tlemcen Algeria. <b>2014</b> , 52, 2165-2173		4
151	Long-time simulation of water distribution systems for the design of small hydropower systems. <i>Renewable Energy</i> , <b>2014</b> , 72, 182-187	8.1	19
150	Energy Recovery in Water Systems by PATs: A Comparisons among the Different Installation Schemes. <b>2014</b> , 70, 275-284		51
149	Integrated Optimal Cost and Pressure Management for Water Distribution Systems. <b>2014</b> , 70, 1659-16	568	16
148	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> , <b>2014</b> , 140, 04014002	2.8	58
147	Management tools for hydro energy interventions in water supply systems. <b>2015</b> , 10, 214-228		5
146	Pressure control for WDS management. A case study. <b>2015</b> , 119, 984-993		6
145	Pump as turbine implementation in a dynamic numerical model: cost analysis for energy recovery in water distribution network. <b>2015</b> , 17, 347-360		18
144	Electrical energy recovery from network water pressure. <b>2015</b> ,		3
143	Cross-Flow Turbine Design for Energy Production and Discharge Regulation. <b>2015</b> , 141, 04014083		21

# (2016-2015)

142	Trends and challenges in the operation of pumped-storage hydropower plants. 2015, 44, 767-784		144
141	Hydropower Potential in Water Distribution Networks: Pressure Control by PATs. <i>Water Resources Management</i> , <b>2015</b> , 29, 699-714	3.7	94
140	Dynamic modeling and simulation of a water supply system with applications for improving energy efficiency. <b>2015</b> , 8, 417-432		12
139	Optimizing Small Hydropower Systems in Water Distribution Systems Based on Long-Time-Series Simulation and Future Scenarios. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2015</b> , 141, 04015021	2.8	14
138	Energy Assessment of Pressurized Water Systems. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2015</b> , 141, 04014095	2.8	34
137	Energy Recovery Using Micro-Hydropower Technology in Water Supply Systems: The Case Study of the City of Fribourg. <i>Water (Switzerland)</i> , <b>2016</b> , 8, 344	3	50
136	Modeling Irrigation Networks for the Quantification of Potential Energy Recovering: A Case Study. <i>Water (Switzerland)</i> , <b>2016</b> , 8, 234	3	37
135	A Study of Energy Optimisation of Urban Water Distribution Systems Using Potential Elements. <i>Water (Switzerland)</i> , <b>2016</b> , 8, 593	3	22
134	Energy Saving in Water Distribution Network through Pump as Turbine Generators: Economic and Environmental Analysis. <b>2016</b> , 9, 877		32
133	Experimental characterization of two Pumps As Turbines for hydropower generation. <i>Renewable Energy</i> , <b>2016</b> , 99, 180-187	8.1	79
132	Experimental characterization of a five blade tubular propeller turbine for pipe inline installation. <i>Renewable Energy</i> , <b>2016</b> , 95, 356-366	8.1	55
131	Optimization of Osmotic Desalination Plants for Water Supply Networks. <i>Water Resources Management</i> , <b>2016</b> , 30, 3965-3978	3.7	14
130	Opportunity and Economic Feasibility of Inline Microhydropower Units in Water Supply Networks. Journal of Water Resources Planning and Management - ASCE, <b>2016</b> , 142, 04016052	2.8	16
129	Exploring Optimal Pump Scheduling in Water Distribution Networks with Branch and Bound Methods. <i>Water Resources Management</i> , <b>2016</b> , 30, 5333-5349	3.7	21
128	Energy production with a tubular propeller turbine. <b>2016</b> , 49, 102001		1
127	An improved affinity model to enhance variable operating strategy for pumps used as turbines. <b>2016</b> , 54, 332-341		56
126	Simulated Annealing in Optimization of Energy Production in a Water Supply Network. <i>Water Resources Management</i> , <b>2016</b> , 30, 1533-1547	3.7	54
125	Experimental and Numerical Analysis of a Cross-Flow Turbine. <b>2016</b> , 142, 04015040		15

124	Optimization of Water Distribution Networks for Combined Hydropower Energy Recovery and Leakage Reduction. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2016</b> , 142, 04015045	2.8	41
123	Method to Estimate Complete Curves of Hydraulic Pumps through the Polymorphism of Existing Curves. <b>2017</b> , 143, 04017017		4
122	Full-Scale PAT Application for Energy Production and Pressure Reduction in a Water Distribution Network. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2017</b> , 143, 04017040	2.8	28
121	Pump-As-Turbine: Characterization as an Energy Recovery Device for the Water Distribution Network. <b>2017</b> , 143, 04017020		15
120	Experimental investigation and performance prediction modeling of a single stage centrifugal pump operating as turbine. <b>2017</b> , 126, 589-596		36
119	Pressure management and energy recovery in water distribution networks: Development of design and selection methodologies using three pump-as-turbine case studies. <i>Renewable Energy</i> , <b>2017</b> , 114, 1038-1050	8.1	37
118	Overview of conduit hydropower in South Africa: Status and applications. 2017,		О
117	Electrical behaviour of the pump working as turbine in off grid operation. <b>2017</b> , 208, 302-311		26
116	Energy savings in integrated urban water systems: A case study. <b>2017</b> ,		2
115	Effects of Long-Term Flow Variation on Microhydropower Energy Production in Pressure Reducing Valves in Water Distribution Networks. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2017</b> , 143, 04016076	2.8	3
114	Predicting and quantifying the effect of variations in long-term water demand on micro-hydropower energy recovery in water supply networks. <i>Urban Water Journal</i> , <b>2017</b> , 14, 676-684	2.3	8
113	Energy Saving in a Water Supply Network by Coupling a Pump and a Pump As Turbine (PAT) in a		20
	Turbopump. <i>Water (Switzerland)</i> , <b>2017</b> , 9, 62	3	20
112	Turbopump. <i>Water (Switzerland)</i> , <b>2017</b> , 9, 62  Energy Recovery in Existing Water Networks: Towards Greater Sustainability. <i>Water (Switzerland)</i> , <b>2017</b> , 9, 97	3	80
112	Energy Recovery in Existing Water Networks: Towards Greater Sustainability. Water (Switzerland),		
	Energy Recovery in Existing Water Networks: Towards Greater Sustainability. <i>Water (Switzerland)</i> , <b>2017</b> , 9, 97		80
111	Energy Recovery in Existing Water Networks: Towards Greater Sustainability. <i>Water (Switzerland)</i> , <b>2017</b> , 9, 97  Energy Production by Means of Pumps As Turbines in Water Distribution Networks. <b>2017</b> , 10, 1666		80
111	Energy Recovery in Existing Water Networks: Towards Greater Sustainability. <i>Water (Switzerland)</i> , <b>2017</b> , 9, 97  Energy Production by Means of Pumps As Turbines in Water Distribution Networks. <b>2017</b> , 10, 1666  Performance of vertical-axis pumps as turbines. <b>2018</b> , 56, 482-493  A new low-cost installation scheme of PATs for pico-hydropower to recover energy in residential	3	80 16 18

### (2018-2018)

106	Selection of Micro Turbines. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2018</b> , 144, 04018004	2.8	14	
105	Evaluation of performance and environmental benefits of a full-scale pump as turbine system in Antalya water distribution network. <b>2018</b> , 18, 130-141		11	
104	Modified Affinity Laws in Hydraulic Machines towards the Best Efficiency Line. <i>Water Resources Management</i> , <b>2018</b> , 32, 829-844	3.7	11	
103	PAT Control Systems. Springer Tracts in Mechanical Engineering, 2018, 97-116	0.3	1	
102	Location of a PAT in a Water Transmission and Distribution System. <i>Springer Tracts in Mechanical Engineering</i> , <b>2018</b> , 139-171	0.3		
101	Application of PAT Technology. Springer Tracts in Mechanical Engineering, 2018, 189-218	0.3		
100	Optimal design of water supply networks using an energy recovery approach. <i>Renewable Energy</i> , <b>2018</b> , 117, 404-413	8.1	24	
99	PATs selection towards sustainability in irrigation networks: Simulated annealing as a water management tool. <i>Renewable Energy</i> , <b>2018</b> , 116, 234-249	8.1	25	
98	Multipurpose Design of the Flow-Control System of a Steep Water Main. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2018</b> , 144, 05017018	2.8	4	
97	Leakage Control and Energy Recovery Using Variable Speed Pumps as Turbines. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2018</b> , 144, 04017077	2.8	22	
96	Optimal Selection of Pumps As Turbines in Water Distribution Networks. <b>2018</b> , 2, 685			
95	Development of a physics-based model to predict the performance of pumps as turbines. <b>2018</b> , 231, 343-354		19	
94	Hydraulic and Electric Regulation of a Prototype for Real-Time Control of Pressure and Hydropower Generation in a Water Distribution Network. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2018</b> , 144, 04018072	2.8	12	
93	Fine Tuning a PAT Hydropower Plant in a Water Supply Network to Improve System Effectiveness. Journal of Water Resources Planning and Management - ASCE, 2018, 144, 04018038	2.8	33	
92	Energy-Recovery Pressure-Reducer in District Heating System. Water (Switzerland), 2018, 10, 787	3	3	
91	A Comparison of Energy Recovery by PATs against Direct Variable Speed Pumping in Water Distribution Networks. <b>2018</b> , 3, 41		17	
90	Trunk Network Rehabilitation for Resilience Improvement and Energy Recovery in Water Distribution Networks. <i>Water (Switzerland)</i> , <b>2018</b> , 10, 693	3	9	
89	Comparison of Different Approaches to Predict the Performance of Pumps As Turbines (PATs). <b>2018</b> , 11, 1016		9	

88	Design strategy to maximize recovery energy towards smart water grids: case study. <i>Urban Water Journal</i> , <b>2018</b> , 15, 329-337	2.3	7
87	Innovative mini-hydro device for the recharge of electric vehicles in urban areas. 2018, 9, 435-445		9
86	A model for the extrapolation of the characteristic curves of Pumps as Turbines from a datum Best Efficiency Point. <i>Energy Conversion and Management</i> , <b>2018</b> , 174, 1-7	10.6	45
85	Comparison of Algorithms for the Optimal Location of Control Valves for Leakage Reduction in WDNs. <i>Water (Switzerland)</i> , <b>2018</b> , 10, 466	3	13
84	Numerical study on the impact of runner inlet arc angle on the performance of inline cross-flow turbine used in urban water mains. <i>Energy</i> , <b>2018</b> , 158, 228-237	7.9	12
83	Effectiveness of methods for selecting pumps as turbines to operate in water distribution networks. <b>2019</b> , 19, 417-423		5
82	Investigation of Blade Number Effect on Hydraulic Performance of In-Pipe Hydro Savonius Turbine. <b>2019</b> , 2019, 1-14		4
81	Microturbines at Drinking Water Tanks Fed by Gravity Pipelines: A Method and Excel Tool for Maximizing Annual Energy Generation Based on Historical Tank Outflow Data. <i>Water (Switzerland)</i> , <b>2019</b> , 11, 1403	3	3
80	Analysis of emerging technologies in the hydropower sector. <b>2019</b> , 113, 109257		94
79	Micro Axial Turbine Hill Charts: Affinity Laws, Experiments and CFD Simulations for Different Diameters. <b>2019</b> , 12, 2908		2
78	Simulations and experimental validation of Pico conduit pressure hydropower systems with battery storage. <b>2019</b> , 26, 100976		1
77	Sustainable water-energy nexus in the optimization of the BBC golf-course using renewable energies. <i>Urban Water Journal</i> , <b>2019</b> , 16, 215-224	2.3	9
76	Pump-as-Turbine Selection Methodology for Energy Recovery in Irrigation Networks: Minimising the Payback Period. <i>Water (Switzerland)</i> , <b>2019</b> , 11, 149	3	12
75	Coupled Electric and Hydraulic Control of a PRS Turbine in a Real Transport Water Network. <i>Water</i> (Switzerland), <b>2019</b> , 11, 1194	3	6
74	Pump as turbine applied to micro energy storage and smart water grids: A case study. <b>2019</b> , 241, 567-5	79	37
73	Cost Model for Pumps as Turbines in Run-of-River and In-Pipe Microhydropower Applications. Journal of Water Resources Planning and Management - ASCE, <b>2019</b> , 145, 04019012	2.8	34
72	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> , <b>2019</b> , 145, 050190	00 <sup>2</sup> 1 <sup>8</sup>	13
71	Recycling and Reuse Approaches for Better Sustainability. <i>Environmental Science and Engineering</i> , <b>2019</b> ,	0.2	3

# (2020-2020)

70	Experimental and numerical investigations on a new developed Savonius turbine for in-pipe hydro application. <b>2020</b> , 234, 195-210		2
69	Experimental and numerical analysis of a backpressure Banki inline turbine for pressure regulation and energy production. <i>Renewable Energy</i> , <b>2020</b> , 149, 980-986	8.1	9
68	Maximizing Hydropower Generation in Gravity Water Distribution Networks: Determining the Optimal Location and Number of Pumps as Turbines. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2020</b> , 146, 04019066	2.8	17
67	Investigation of deflector geometry and turbine aspect ratio effect on 3D modified in-pipe hydro Savonius turbine: Parametric study. <i>Renewable Energy</i> , <b>2020</b> , 148, 44-59	8.1	13
66	Water and Energy Demand Management in Pressurized Irrigation Networks. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 1878	3	10
65	A MINLP Model for Optimal Localization of Pumps as Turbines in Water Distribution Systems Considering Power Generation Constraints. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 1979	3	7
64	The changing nature of the waterBnergy nexus in urban water supply systems: a critical review of changes and responses. <b>2020</b> , 11, 1095-1122		9
63	New Challenges in Water Systems. Water (Switzerland), 2020, 12, 2340	3	8
62	Geometrical Optimization of Pump-As-Turbine (PAT) Impellers for Enhancing Energy Efficiency with 1-D Theory. <b>2020</b> , 13, 4120		7
61	Water-Energy Storage Configuration for Generating Energy in Water Distribution Systems. <b>2020</b> ,		O
60	Overview of Energy Management and Leakage Control Systems for Smart Water Grids and Digital Water. <b>2020</b> , 1, 134-155		8
59	Advances in Modeling and Management of Urban Water Networks. Water (Switzerland), 2020, 12, 2956	3	О
58	Mass, Energy, and Cost Balances in Water Distribution Systems with PATs: The Trondheim Network Case Study. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2020</b> , 146, 05020005	2.8	1
57	A Bi-Objective Approach for Optimizing the Installation of PATs in Systems of Transmission Mains. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 330	3	11
56	Investigating Energy Flow in Water-Energy Storage for Hydropower Generation in Water Distribution Systems. <i>Water Resources Management</i> , <b>2020</b> , 34, 1609-1622	3.7	1
55	Energy Transfer from the Freshwater to the Wastewater Network Using a PAT-Equipped Turbopump. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 38	3	7
54	Smart Infrastructure: A Vision for the Role of the Civil Engineering Profession in Smart Cities. Journal of Infrastructure Systems, <b>2020</b> , 26, 03120001	2.9	29
53	Hydropower Generation Through Pump as Turbine: Experimental Study and Potential Application to Small-Scale WDN. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 958	3	13

52	Performance investigations of a control valve with the function of energy harvesting. <i>Energy</i> , <b>2021</b> , 214, 119001	7.9	2
51	Selection optimization of variable speed pump as turbine (PAT) for energy recovery and pressure management. <i>Energy Conversion and Management</i> , <b>2021</b> , 227, 113586	10.6	9
50	Optimization of pump selection for running as turbine and performance analysis within the regulation schemes. <i>Energy</i> , <b>2021</b> , 217, 119402	7.9	7
49	Hydraulic Simulation and Optimisation of Water Transmission and Distribution Systems. <b>2021</b> , 629-797		1
48	Review on pump as turbine application in water distribution networks for power generation. 2021,		2
47	A Novel Distributed System of e-Vehicle Charging Stations Based on Pumps as Turbine to Support Sustainable Micromobility. <i>Sustainability</i> , <b>2021</b> , 13, 1847	3.6	4
46	Multi-Country Scale Assessment of Available Energy Recovery Potential Using Micro-Hydropower in Drinking, Pressurised Irrigation and Wastewater Networks, Covering Part of the EU. <i>Water</i> (Switzerland), <b>2021</b> , 13, 899	3	10
45	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> , <b>2021</b> , 45, 2765	1.1	1
44	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> , <b>2021</b> , 147, 04021019	2.8	4
43	Evaluation of the design and performance of a micro hydropower plant in a pressurised irrigation network: Real world application at farm-level in Southern Spain. <i>Renewable Energy</i> , <b>2021</b> , 169, 1106-112	28.1	6
42	Assessing Energy Efficiency in Water Utilities Using Long-term Data Analysis. <i>Water Resources Management</i> , <b>2021</b> , 35, 2763-2779	3.7	O
41	A Numerical Investigation into the PAT Hydrodynamic Response to Impeller Rotational Speed Variation. <i>Sustainability</i> , <b>2021</b> , 13, 7998	3.6	3
40	Pressure and Energy Management in Water Distribution Networks through Optimal Use of Pump-As-Turbines along with Pressure-Reducing Valves. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2021</b> , 147,	2.8	O
39	Improving Water Age in Distribution Systems by Optimal Valve Operation. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2021</b> , 147, 04021046	2.8	O
38	Energy recovery using pumps as turbines in water supply systems: a case study. <i>Water Management</i> , 1-28	1	
37	Efficiency Increase in Water Transmission Systems Using Optimized Selection of Parallel Pumps Running as Turbines. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2021</b> , 147, 04021065	2.8	O
36	Comparison of PAT Installation Layouts for Energy Recovery from Water Distribution Networks. Journal of Water Resources Planning and Management - ASCE, <b>2021</b> , 147, 04021083	2.8	1
35	Introduction. Springer Tracts in Mechanical Engineering, 2018, 3-26	0.3	2

# (2021-2016)

34	Feasibility assessment of micro-hydropower for energy recovery in the water supply network of the city of Fribourg. <b>2016</b> , 961-965		1	
33	Energy audit in water supply systems: a proposal of integrated approach towards energy efficiency. <i>Water Policy</i> , <b>2020</b> , 22, 1126-1141	1.6	3	
32	MESUYU [IET]M VE DA[ITIM SISTEMLER]NDE FAZLA BASINITAN ENERJIRET[M POTANS]FEL[I]  Mu[la Journal of Science and Technology, <b>2016</b> , 2, 70-70	0.7	2	
31	Calibrating a flow model in an irrigation network: Case study in Alicante, Spain. <i>Spanish Journal of Agricultural Research</i> , <b>2017</b> , 15, e1202	1.1	7	
30	Pump-as-turbine for energy recovery in municipal water supply networks. A review. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , <b>2021</b> , 43, 1	2	1	
29	Water-energy nexus management strategy towards sustainable mobility goal in smart cities. <i>Urban Water Journal</i> , 1-12	2.3	2	
28	Excess Pressure in Municipal Water Supply Systems as a Renewable Energy Source: Antalya Case Study. <i>Environmental Science and Engineering</i> , <b>2019</b> , 113-126	0.2		
27	Design and Year-Long Performance Evaluation of a Pump as Turbine (PAT) Pico-Hydropower Energy Recovery Device in a Water Network. <i>Water (Switzerland)</i> , <b>2021</b> , 13, 3014	3	2	
26	Prediction of Global Efficiency and Economic Viability of Replacing PRVs with Hydraulically Regulated Pump-as-Turbines at Instrumented Sites within Water Distribution Networks. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2022</b> , 148,	2.8	0	
25	Energy harvesting in water supply systems. <b>2020</b> , 229-254			
24	Unsteady flow modelling of hydraulic and electrical RTC of PATs for hydropower generation and service pressure regulation in WDN. <i>Urban Water Journal</i> , 1-11	2.3	0	
23	Recuperali de energia de baixa queda: turbina hlice tubular com 5 pli. <i>Ingenierlà Del Agua</i> , <b>2020</b> , 24, 285	0.7		
22	Bombas funcionando como turbinas: uma alternativa para o controle de press® em sistemas de distribui® de Bua. <b>2021</b> , 69, 164-172	0.2		
21	Water Losses Management in Urban Water Distribution Systems. <b>2022</b> , 53-65		O	
20	Feasibility Analysis of Energy Recovery Using PATs in Water Distribution Networks. <i>Water</i> (Switzerland), <b>2022</b> , 14, 1150	3		
19	Energy recovery from water distribution networks using micro hydropower: A case study in Iran. <i>Energy</i> , <b>2022</b> , 252, 124024	7.9	2	
18	A New Low-Cost Technology Based on Pump as Turbines for Energy Recovery in Peripheral Water Networks Branches. <i>Water (Switzerland)</i> , <b>2022</b> , 14, 1526	3	1	
17	Innovations in Water Management: Systems Efficiency and Energy Applications in the Water Sector.			

16	Pumps as turbines regulation study through a decision-support algorithm. <i>Renewable Energy</i> , <b>2022</b> , 194, 561-570	8.1	
15	Effects of impeller geometry modification on performance of pump as turbine in the urban water distribution network. <i>Energy</i> , <b>2022</b> , 124550	7.9	О
14	Analysis of PAT-Based Hydropower Plant Performance in Energy Harvesting: Application of Series Structure. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> ,	1.1	
13	Investigation of blade design parameters for performance improvement of hydraulic cross flow turbine. <i>Ocean Engineering</i> , <b>2022</b> , 257, 111663	3.9	
12	New Model for Determining Optimal PAT Locations: Maximizing Energy Recovery in Irrigation Networks. <b>2022</b> , 148,		0
11	A review of micro hydro systems in urban areas: Opportunities and challenges. <b>2022</b> , 169, 112866		1
10	An experimental and numerical investigation into using hydropower plant on oil transmission lines.		3
9	Innovative Approach for Selection of Pump as Turbine in Water Distribution Network.		О
8	The Role of Micro-Hydropower Energy Recovery in the Water-Energy-Food Nexus.		О
7	The PAT Energy Booster, a New Device for the Energy Recovery and Hydraulic Control in Water Supply Systems: Preliminary Experimental Tests.		О
6	Investigation of the Main Flow Characteristics Mechanism and Flow Dynamics Within an Axial Flow Pump Based on Different Transient Load Conditions.		0
5	Pressure Regulation in a Water Distribution Network Using Pumps as Turbines at Variable Speed for Energy Recovery.		О
4	Energy recovery optimization by means of a turbine in a pressure regulation node of a real water network through a data-driven digital twin.		0
3	Integrated Smart Management in WDN: Methodology and Application. 2023, 15, 1217		O
2	Development and validation of a comprehensive methodology for predicting PAT performance curves. <b>2023</b> , 274, 127366		0
1	Innovations in Water Management: Systems Efficiency and Energy Applications in the Water Sector. <b>2023</b> , 405-436		O