

Helena M. Ramos

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

163
papers

3,673
citations

32
h-index

56
g-index

169
ext. papers

4,224
ext. citations

2.8
avg, IF

5.86
L-index

#	Paper	IF	Citations
163	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
162	Effects of Orifice Sizes for Uncontrolled Filling Processes in Water Pipelines. <i>Water (Switzerland)</i> , 2022 , 14, 888	3	3
161	Potential Energy, Economic, and Environmental Impacts of Hydro Power Pressure Reduction on the Water-Energy-Food Nexus. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2022 , 148,	2.8	2
160	New Challenges towards Smart Systems Efficiency by Digital Twin in Water Distribution Networks. <i>Water (Switzerland)</i> , 2022 , 14, 1304	3	4
159	A New Low-Cost Technology Based on Pump as Turbines for Energy Recovery in Peripheral Water Networks Branches. <i>Water (Switzerland)</i> , 2022 , 14, 1526	3	1
158	Low-Head Hydropower for Energy Recovery in Wastewater Systems. <i>Water (Switzerland)</i> , 2022 , 14, 16493		1
157	New Integrated Energy Solution Idealization: Hybrid for Renewable Energy Network (Hy4REN). <i>Energies</i> , 2022 , 15, 3921	3.1	0
156	Closure to "Computational fluid dynamics for sub-atmospheric pressure analysis in pipe drainage" by Mohsen Besharat, Oscar E. Coronado-Hernández, Vicente S. Fuertes-Miquel, Maria Teresa Viseu and Helena Margarida Ramos, <i>J. Hydraulic Res.</i> 58(4), 2020, 553-565, https://doi.org/10.1080/00221686.2019.1625819 . <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> 40(4), 2020, 553-565	1.9	0
155	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 (Switzerland)</i> , 2021 , 13, 899	3	10
154	PATs Behavior in Pressurized Irrigation Hydrants towards Sustainability. <i>Water (Switzerland)</i> , 2021 , 13, 1359	3	1
153	Sustainable Water-Energy Nexus towards Developing Countries Water Sector Efficiency. <i>Energies</i> , 2021 , 14, 3525	3.1	6
152	Socio-Technical Viability Framework for Micro Hydropower in Group Water-Energy Schemes. <i>Energies</i> , 2021 , 14, 4222	3.1	2
151	Optimal Placement and Operation of Chlorine Booster Stations: A Multi-Level Optimization Approach. <i>Energies</i> , 2021 , 14, 5806	3.1	1
150	Transient study of series-connected pumps working as turbines in off-grid systems. <i>Energy Conversion and Management</i> , 2021 , 245, 114586	10.6	2
149	Urban Flood Risk and Economic Viability Analyses of a Smart Sustainable Drainage System. <i>Sustainability</i> , 2021 , 13, 13889	3.6	1
148	Innovations in Water Management: Systems Efficiency and Energy Applications in the Water Sector 2021 , 1-32		
147	Electro-Hydraulic Transient Regimes in Isolated Pumps Working as Turbines with Self-Excited Induction Generators. <i>Energies</i> , 2020 , 13, 4521	3.1	6

146	Overview of Energy Management and Leakage Control Systems for Smart Water Grids and Digital Water. <i>Modelling</i> , 2020 , 1, 134-155	2.5	8
145	Improved Planning of Energy Recovery in Water Systems Using a New Analytic Approach to PAT Performance Curves. <i>Water (Switzerland)</i> , 2020 , 12, 468	3	15
144	Transient-Flow Induced Compressed Air Energy Storage (TI-CAES) System towards New Energy Concept. <i>Water (Switzerland)</i> , 2020 , 12, 601	3	10
143	Recuperaçã de energia de baixa queda: turbina hãce tubular com 5 pã. <i>Ingenierã Del Agua</i> , 2020 , 24, 285	0.7	
142	Energy harvesting in water supply systems 2020 , 229-254		
141	Smart Water Management towards Future Water Sustainable Networks. <i>Water (Switzerland)</i> , 2020 , 12, 58	3	36
140	Zero-net energy management for the monitoring and control of dynamically-partitioned smart water systems. <i>Journal of Cleaner Production</i> , 2020 , 252, 119745	10.3	42
139	Hybrid Pumped Hydro Storage Energy Solutions towards Wind and PV Integration: Improvement on Flexibility, Reliability and Energy Costs. <i>Water (Switzerland)</i> , 2020 , 12, 2457	3	16
138	Inline Pumped Storage Hydropower towards Smart and Flexible Energy Recovery in Water Networks. <i>Water (Switzerland)</i> , 2020 , 12, 2224	3	5
137	Assessment of CFD Solvers and Turbulent Models for Water Free Jets in Spillways. <i>Fluids</i> , 2020 , 5, 104	1.6	4
136	Simulation of a Hydrostatic Pressure Machine with Caffa3d Solver: Numerical Model Characterization and Evaluation. <i>Water (Switzerland)</i> , 2020 , 12, 2419	3	3
135	Computational fluid dynamics for sub-atmospheric pressure analysis in pipe drainage. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2020 , 58, 553-565	1.9	12
134	Sustainable water-energy nexus in the optimization of the BBC golf-course using renewable energies. <i>Urban Water Journal</i> , 2019 , 16, 215-224	2.3	9
133	Effect of a Commercial Air Valve on the Rapid Filling of a Single Pipeline: a Numerical and Experimental Analysis. <i>Water (Switzerland)</i> , 2019 , 11, 1814	3	14
132	Optimal energy efficiency of isolated PAT systems by SEIG excitation tuning. <i>Energy Conversion and Management</i> , 2019 , 183, 391-405	10.6	11
131	Closure to âLeakage Control and Energy Recovery Using Variable Speed Pumps as Turbinesâby Gustavo Meirelles Lima, Edevar Luvizotto Jr., Bruno Melo Brentan, and Helena M. Ramos. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2019 , 145, 07019002	2.8	
130	Flow Conditions for PATs Operating in Parallel: Experimental and Numerical Analyses. <i>Energies</i> , 2019 , 12, 901	3.1	7
129	Cost Model for Pumps as Turbines in Run-of-River and In-Pipe Microhydropower Applications. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2019 , 145, 04019012	2.8	34

128	Micro Axial Turbine Hill Charts: Affinity Laws, Experiments and CFD Simulations for Different Diameters. <i>Energies</i> , 2019 , 12, 2908	3.1	2
127	Storage Ponds Application for Flood Control, Hydropower Generation and Water Supply. <i>International Review of Civil Engineering</i> , 2019 , 10, 219	1.6	3
126	Dynamic response behind an accident occurred in a main WSS. <i>European Journal of Environmental and Civil Engineering</i> , 2018 , 22, 267-287	1.5	
125	Modified Affinity Laws in Hydraulic Machines towards the Best Efficiency Line. <i>Water Resources Management</i> , 2018 , 32, 829-844	3.7	11
124	PAT Selection. <i>Springer Tracts in Mechanical Engineering</i> , 2018 , 77-96	0.3	1
123	PAT Control Systems. <i>Springer Tracts in Mechanical Engineering</i> , 2018 , 97-116	0.3	1
122	Location of a PAT in a Water Transmission and Distribution System. <i>Springer Tracts in Mechanical Engineering</i> , 2018 , 139-171	0.3	
121	PAT System Economic Analysis. <i>Springer Tracts in Mechanical Engineering</i> , 2018 , 173-187	0.3	
120	Application of PAT Technology. <i>Springer Tracts in Mechanical Engineering</i> , 2018 , 189-218	0.3	
119	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
118	Velocities in a Centrifugal PAT Operation: Experiments and CFD Analyses. <i>Fluids</i> , 2018 , 3, 3	1.6	9
117	PATs Operating in Water Networks under Unsteady Flow Conditions: Control Valve Manoeuvre and Overspeed Effect. <i>Water (Switzerland)</i> , 2018 , 10, 529	3	10
116	Trunk Network Rehabilitation for Resilience Improvement and Energy Recovery in Water Distribution Networks. <i>Water (Switzerland)</i> , 2018 , 10, 693	3	9
115	Design strategy to maximize recovery energy towards smart water grids: case study. <i>Urban Water Journal</i> , 2018 , 15, 329-337	2.3	7
114	Subatmospheric pressure in a water draining pipeline with an air pocket. <i>Urban Water Journal</i> , 2018 , 15, 346-352	2.3	19
113	Pumps as Turbines. <i>Springer Tracts in Mechanical Engineering</i> , 2018 ,	0.3	21
112	Reverse Pump Theory. <i>Springer Tracts in Mechanical Engineering</i> , 2018 , 27-57	0.3	1
111	Industrial Aspects of PAT Design Improvement. <i>Springer Tracts in Mechanical Engineering</i> , 2018 , 59-73	0.3	2

110	Civil Engineering Design, Electromechanics, Installation and Operation. <i>Springer Tracts in Mechanical Engineering</i> , 2018 , 117-136	0.3	
109	Leakage Control and Energy Recovery Using Variable Speed Pumps as Turbines. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2018 , 144, 04017077	2.8	22
108	Efficient Computational Fluid Dynamics Model for Transient Laminar Flow Modeling: Pressure Wave Propagation and Velocity Profile Changes. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2018 , 140,	2.1	16
107	Flow Velocity Distribution Towards Flowmeter Accuracy: CFD, UDV, and Field Tests. <i>Water (Switzerland)</i> , 2018 , 10, 1807	3	8
106	Backflow air and pressure analysis in emptying a pipeline containing an entrapped air pocket. <i>Urban Water Journal</i> , 2018 , 15, 769-779	2.3	14
105	Fostering Renewable Energies and Energy Efficiency in the Water Sector Using PATs and Wheels. <i>Proceedings (mdpi)</i> , 2018 , 2, 1438	0.3	1
104	Effect of the Non-Stationarity of Rainfall Events on the Design of Hydraulic Structures for Runoff Management and Its Applications to a Case Study at Gordo Creek Watershed in Cartagena de Indias, Colombia. <i>Fluids</i> , 2018 , 3, 27	1.6	8
103	Reducing the Energy Dependency of Water Networks in Irrigation, Public Drinking Water, and Process Industry: REDAWN Project. <i>Proceedings (mdpi)</i> , 2018 , 2, 681	0.3	3
102	Fine Tuning a PAT Hydropower Plant in a Water Supply Network to Improve System Effectiveness. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2018 , 144, 04018038	2.8	33
101	Maximum transient pressures in a rapidly filling pipeline with entrapped air using a CFD model. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2017 , 55, 506-519	1.9	24
100	Structural analysis of two different stent configurations. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2017 , 20, 869-883	2.1	2
99	Aorta Ascending Aneurysm Analysis Using CFD Models towards Possible Anomalies. <i>Fluids</i> , 2017 , 2, 31	1.6	9
98	CFD and 1D Approaches for the Unsteady Friction Analysis of Low Reynolds Number Turbulent Flows. <i>Journal of Hydraulic Engineering</i> , 2017 , 143, 04017050	1.8	24
97	Electrical behaviour of the pump working as turbine in off grid operation. <i>Applied Energy</i> , 2017 , 208, 302-311	10.7	26
96	Behaviour of two typical stents towards a new stent evolution. <i>Medical and Biological Engineering and Computing</i> , 2017 , 55, 1019-1037	3.1	4
95	Experimental Study of Air Vessel Behavior for Energy Storage or System Protection in Water Hammer Events. <i>Water (Switzerland)</i> , 2017 , 9, 63	3	13
94	Energy Recovery in Existing Water Networks: Towards Greater Sustainability. <i>Water (Switzerland)</i> , 2017 , 9, 97	3	80
93	Experimental and Numerical Analysis of a Water Emptying Pipeline Using Different Air Valves. <i>Water (Switzerland)</i> , 2017 , 9, 98	3	27

92	Optimization Strategy for Improving the Energy Efficiency of Irrigation Systems by Micro Hydropower: Practical Application. <i>Water (Switzerland)</i> , 2017 , 9, 799	3	16
91	CFD Analyses and Experiments in a PAT Modeling: Pressure Variation and System Efficiency. <i>Fluids</i> , 2017 , 2, 51	1.6	6
90	Urban Floods Adaptation and Sustainable Drainage Measures. <i>Fluids</i> , 2017 , 2, 61	1.6	12
89	Calibrating a flow model in an irrigation network: Case study in Alicante, Spain. <i>Spanish Journal of Agricultural Research</i> , 2017 , 15, e1202	1.1	7
88	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
87	Energy production with a tubular propeller turbine. <i>IOP Conference Series: Earth and Environmental Science</i> , 2016 , 49, 102001	0.3	1
86	The effect of water hammer on a confined air pocket towards flow energy storage system 2016 , 65, 116-126		19
85	Identification of DVT diseases using numerical simulations. <i>Medical and Biological Engineering and Computing</i> , 2016 , 54, 1591-609	3.1	12
84	An improved affinity model to enhance variable operating strategy for pumps used as turbines. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2016 , 54, 332-341	1.9	56
83	Simulated Annealing in Optimization of Energy Production in a Water Supply Network. <i>Water Resources Management</i> , 2016 , 30, 1533-1547	3.7	54
82	A Branch-and-Bound Algorithm for Optimal Pump Scheduling in Water Distribution Networks. <i>Water Resources Management</i> , 2016 , 30, 1037-1052	3.7	22
81	CFD modeling of transient flow in pressurized pipes. <i>Computers and Fluids</i> , 2016 , 126, 129-140	2.8	48
80	Energy Recovery Using Micro-Hydropower Technology in Water Supply Systems: The Case Study of the City of Fribourg. <i>Water (Switzerland)</i> , 2016 , 8, 344	3	50
79	Modeling Irrigation Networks for the Quantification of Potential Energy Recovering: A Case Study. <i>Water (Switzerland)</i> , 2016 , 8, 234	3	37
78	Design Criteria for Suspended Pipelines Based on Structural Analysis. <i>Water (Switzerland)</i> , 2016 , 8, 256	3	1
77	Study of a Compressed Air Vessel for Controlling the Pressure Surge in Water Networks: CFD and Experimental Analysis. <i>Water Resources Management</i> , 2016 , 30, 2687-2702	3.7	23
76	Experimental characterization of a five blade tubular propeller turbine for pipe inline installation. <i>Renewable Energy</i> , 2016 , 95, 356-366	8.1	55
75	Hydropower Potential in Water Distribution Networks: Pressure Control by PATs. <i>Water Resources Management</i> , 2015 , 29, 699-714	3.7	94

74	Fluid-structure interaction with different coupled models to analyse an accident occurring in a water supply system 2015 , 64, 302-315		3
73	Pathogen intrusion flows in water distribution systems: according to orifice equations 2015 , 64, 857-869		5
72	Management tools for hydro energy interventions in water supply systems. <i>Water Practice and Technology</i> , 2015 , 10, 214-228	0.9	5
71	Mechanical Interaction in Pressurized Pipe Systems: Experiments and Numerical Models. <i>Water (Switzerland)</i> , 2015 , 7, 6321-6350	3	8
70	Conceptual analogy for modelling entrapped air action in hydraulic systems. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2015 , 53, 678-686	1.9	19
69	An overview of leaks and intrusion for different pipe materials and failures. <i>Urban Water Journal</i> , 2014 , 11, 1-10	2.3	18
68	Velocity-distribution in pressurized pipe flow using CFD: Accuracy and mesh analysis. <i>Computers and Fluids</i> , 2014 , 105, 218-230	2.8	28
67	Creep functions for transients in HDPE pipes. <i>Urban Water Journal</i> , 2014 , 11, 160-166	2.3	20
66	Pumped-Storage Solution towards Energy Efficiency and Sustainability: Portugal Contribution and Real Case Studies. <i>Journal of Water Resource and Protection</i> , 2014 , 06, 1099-1111	0.7	9
65	Optimization of Retention Ponds to Improve the Drainage System Elasticity for Water-Energy Nexus. <i>Water Resources Management</i> , 2013 , 27, 2889-2901	3.7	14
64	Experiments and CFD Analyses for a New Reaction Microhydro Propeller with Five Blades. <i>Journal of Energy Engineering - ASCE</i> , 2013 , 139, 109-117	1.7	17
63	Energy recovery in SUDS towards smart water grids: A case study. <i>Energy Policy</i> , 2013 , 62, 463-472	7.2	13
62	Damping Analysis of Hydraulic Transients in Pump-Rising Main Systems. <i>Journal of Hydraulic Engineering</i> , 2013 , 139, 233-243	1.8	13
61	PAT Design Strategy for Energy Recovery in Water Distribution Networks by Electrical Regulation. <i>Energies</i> , 2013 , 6, 411-424	3.1	120
60	Pump as Turbine (PAT) Design in Water Distribution Network by System Effectiveness. <i>Water (Switzerland)</i> , 2013 , 5, 1211-1225	3	62
59	Energy Cost Optimization in a Water Supply System Case Study. <i>Journal of Energy</i> , 2013 , 2013, 1-9	1	21
58	Energy Production in Water Distribution Networks: A PAT Design Strategy. <i>Water Resources Management</i> , 2012 , 26, 3947-3959	3.7	139
57	Stormwater Storage Pond Configuration for Hydropower Solutions: Adaptation and Optimization. <i>Journal of Sustainable Development</i> , 2012 , 5,	1.3	4

56	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
55	Intrusion and leakage in drinking systems induced by pressure variation 2012 , 61, 387-402		10
54	Transient vaporous cavitation in viscoelastic pipes. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2012 , 50, 228-235	1.9	25
53	Low-Head Energy Conversion: A Conceptual Design and Laboratory Investigation of a Microtubular Hydro Propeller. <i>ISRN Mechanical Engineering</i> , 2012 , 2012, 1-10		9
52	Hybrid energy system evaluation in water supply systems: artificial neural network approach and methodology 2012 , 61, 59-72		3
51	Direct backward transient analysis for leak detection in pressurized pipelines: from theory to real application 2012 , 61, 189-200		21
50	Environmentally friendly hybrid solutions to improve the energy and hydraulic efficiency in water supply systems. <i>Energy for Sustainable Development</i> , 2011 , 15, 436-442	5.4	39
49	ANN for Hybrid Energy System Evaluation: Methodology and WSS Case Study. <i>Water Resources Management</i> , 2011 , 25, 2295-2317	3.7	11
48	Best economical hybrid energy solution: Model development and case study of a WDS in Portugal. <i>Energy Policy</i> , 2011 , 39, 3361-3369	7.2	8
47	Numerical simulation on pump as turbine: Mesh reliability and performance concerns 2011 ,		19
46	Small Scale Hydropower: Generator Analysis and Optimization for Water Supply Systems 2011 ,		16
45	Utilizaçã de um algoritmo genético híbrido para operaçã ãtima de sistemas de abastecimento de água. <i>Engenharia Sanitaria E Ambiental</i> , 2010 , 15, 187-196	0.4	4
44	Clean power in water supply systems as a sustainable solution: from planning to practical implementation. <i>Water Science and Technology: Water Supply</i> , 2010 , 10, 39-49	1.4	49
43	Water supply operation: diagnosis and reliability analysis in a Lisbon pumping system 2010 , 59, 66-78		13
42	Multi-criterion optimization of energy management in drinking systems. <i>Water Science and Technology: Water Supply</i> , 2010 , 10, 129-144	1.4	5
41	Case Studies of Leak Detection and Location in Water Pipe Systems by Inverse Transient Analysis. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2010 , 136, 248-257	2.8	137
40	Hybrid genetic algorithm in the optimization of energy costs in water supply networks. <i>Water Science and Technology: Water Supply</i> , 2010 , 10, 315-326	1.4	9
39	Evaluation of Chlorine Decay in Drinking Water Systems for Different Flow Conditions: From Theory to Practice. <i>Water Resources Management</i> , 2010 , 24, 815-834	3.7	21

38	Unsteady Flow with Cavitation in Viscoelastic Pipes. <i>International Journal of Fluid Machinery and Systems</i> , 2009 , 2, 269-277	1.1	15
37	Sustainable application of renewable sources in water pumping systems: Optimized energy system configuration. <i>Energy Policy</i> , 2009 , 37, 633-643	7.2	58
36	Solar powered pumps to supply water for rural or isolated zones: A case study. <i>Energy for Sustainable Development</i> , 2009 , 13, 151-158	5.4	45
35	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
34	Optimization of operational planning for wind/hydro hybrid water supply systems. <i>Renewable Energy</i> , 2009 , 34, 928-936	8.1	78
33	Optimization of the energy management in water supply systems. <i>Water Science and Technology: Water Supply</i> , 2009 , 9, 59-65	1.4	5
32	Energy production in water supply systems 2009 , 49-52		3
31	Energy production in water supply systems based on renewable sources 2009 , 277-280		1
30	Analysis of seismic actions in pipe infrastructures security 2009 , 337-340		2
29	Environmental Hybrid Solution for Energy Optimization in Water Supply Systems 2009 , 502-507		
28	Surge Effects in Pressure Systems for Different Pipe Materials 2009 , 2152-2156		1
27	Conception and Design of A Micro-Hydro in a Water Supply System 2009 , 2229-2234		
26	Analysis of transient vaporous cavitation in polyethylene pipes 2009 , 307-310		
25	Fuzzy model in the vulnerability multi-criteria assessment in water supply systems 2009 , 323-326		
24	Mathematical modeling of pressurized system behaviour with entrapped air 2009 , 61-64		
23	Effects of the pipe-wall rheological behaviour on hydraulic transient pressures 2009 , 57-60		
22	Water Pipe System Diagnosis by Transient Pressure Signals 2008 ,		2
21	Bottom-Up Analysis for Assessing Water Losses: A Case Study 2008 ,		1

20	Closure to Standing Wave Difference Method for Leak Detection in Pipeline Systems by D. I. C. Covas, Helena M. Ramos, and Ant3nio Bet3nio de Almeida. <i>Journal of Hydraulic Engineering</i> , 2008 , 134, 1029-1033	1.8	3
19	Water Supply System Performance for Different Pipe Materials Part I: Water Quality Analysis. <i>Water Resources Management</i> , 2008 , 22, 1579-1607	3.7	27
18	Hybrid solution and pump-storage optimization in water supply system efficiency: A case study. <i>Energy Policy</i> , 2008 , 36, 4142-4148	7.2	55
17	Water pipe system response under dynamic effects 2006 , 55, 269-282		4
16	Pressure Control for Leakage Minimisation in Water Distribution Systems Management. <i>Water Resources Management</i> , 2006 , 20, 133-149	3.7	226
15	Metodologia de apoio ao diagn3stico para melhoria do desempenho de sistemas de distribui3o de 3gua. <i>Ingenier3 Del Agua</i> , 2006 , 13, 243	0.7	
14	Standing Wave Difference Method for Leak Detection in Pipeline Systems. <i>Journal of Hydraulic Engineering</i> , 2005 , 131, 1106-1116	1.8	141
13	The dynamic effect of pipe-wall viscoelasticity in hydraulic transients. Part II—model development, calibration and verification. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2005 , 43, 56-70	1.9	171
12	Control of dynamic effects in small hydro with long hydraulic circuits. <i>International Journal of Global Energy Issues</i> , 2005 , 24, 47	0.3	1
11	Detecting leaks in pressurised pipes by means of transients. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2004 , 42, 105-109	1.9	9
10	Water hammer in pressurized polyethylene pipes: conceptual model and experimental analysis. <i>Urban Water Journal</i> , 2004 , 1, 177-197	2.3	52
9	The dynamic effect of pipe-wall viscoelasticity in hydraulic transients. Part I—experimental analysis and creep characterization. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2004 , 42, 517-532	1.9	137
8	Surge damping analysis in pipe systems: modelling and experiments. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2004 , 42, 413-425	1.9	103
7	Parametric Analysis of Water-Hammer Effects in Small Hydro Schemes. <i>Journal of Hydraulic Engineering</i> , 2002 , 128, 689-696	1.8	23
6	Detecting leaks in pressurised pipes by means of transients. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2001 , 39, 539-547	1.9	132
5	Pumps as turbines: an unconventional solution to energy production. <i>Urban Water</i> , 1999 , 1, 261-263		118
4	Modelling and Practical Analysis of the Transient Overspeed Effect of Small Francis Turbines 1996 , 789-798		1
3	Water-energy nexus management strategy towards sustainable mobility goal in smart cities. <i>Urban Water Journal</i> , 1-12	2.3	2

2	Surge damping analysis in pipe systems: modelling and experiments	34
1	Multi-objective optimization tool for PATs operation in water pressurized systems. <i>Urban Water Journal</i> ,1-11	2,3 0