

# Martin F Lambert

## List of Publications by Year in descending order

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150  
papers

5,080  
citations

94433

37  
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106344

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150  
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150  
docs citations

150  
times ranked

3329  
citing authors

#	ARTICLE	IF	CITATIONS
1	A convolutional neural network for pipe crack and leak detection in smart water network. Structural Health Monitoring, 2023, 22, 232-244.	7.5	13
2	Rate of Change Processing of Acoustic Data from a Permanent Monitoring System for Pipe Crack Early Identification: A Case Study. Journal of Water Resources Planning and Management - ASCE, 2022, 148, .	2.6	5
3	Stochastic Resonance Enhancement for Leak Detection in Pipelines Using Fluid Transients and Convolutional Neural Networks. Journal of Water Resources Planning and Management - ASCE, 2022, 148, .	2.6	11
4	Precursors of backflow events and their relationship with the near-wall self-sustaining process. Journal of Fluid Mechanics, 2022, 933, .	3.4	8
5	Coherenceogram for leak detection in water pipes. Journal of Sound and Vibration, 2022, 530, 116979.	3.9	1
6	Acoustic Signal Classification by Support Vector Machine for Pipe Crack Early Warning in Smart Water Networks. Journal of Water Resources Planning and Management - ASCE, 2022, 148, .	2.6	4
7	Extension of the 1D Unsteady Friction Model for Rapidly Accelerating and Decelerating Turbulent Pipe Flows. Journal of Hydraulic Engineering, 2022, 148, .	1.5	4
8	Physics-informed neural networks for hydraulic transient analysis in pipeline systems. Water Research, 2022, 221, 118828.	11.3	5
9	Merging Fluid Transient Waves and Artificial Neural Networks for Burst Detection and Identification in Pipelines. Journal of Water Resources Planning and Management - ASCE, 2021, 147, .	2.6	17
10	Transient dynamics of accelerating turbulent pipe flow. Journal of Fluid Mechanics, 2021, 917, .	3.4	13
11	Approach for Near-Real-Time Pipe Burst Detection, Localization, and Quantification with Low Data Transmission and Sampling Rates. Journal of Water Resources Planning and Management - ASCE, 2021, 147, .	2.6	6
12	Extremely Sensitive Anomaly Detection in Pipe Networks Using a Higher-Order Paired-Impulse Response Function with a Correlator. Journal of Water Resources Planning and Management - ASCE, 2021, 147, .	2.6	8
13	Extreme wall shear stress events in turbulent pipe flows: spatial characteristics of coherent motions. Journal of Fluid Mechanics, 2020, 904, .	3.4	27
14	Efficient approach toward the application of the Godunov method to hydraulic transients. Journal of Hydroinformatics, 2020, 22, 1370-1390.	2.4	5
15	Leak-Before-Break Main Failure Prevention for Water Distribution Pipes Using Acoustic Smart Water Technologies: Case Study in Adelaide. Journal of Water Resources Planning and Management - ASCE, 2020, 146, .	2.6	40
16	Leak Detection for Pipelines Using In-Pipe Optical Fiber Pressure Sensors and a Paired-IRF Technique. Journal of Hydraulic Engineering, 2020, 146, 06020013.	1.5	12
17	Pipe crack early warning for burst prevention by permanent acoustic noise level monitoring in smart water networks. Urban Water Journal, 2020, 17, 827-837.	2.1	12
18	Pipe Burst Detection, Localization, and Quantification Using the Transient Pressure Damping Method. Journal of Hydraulic Engineering, 2020, 146, 04020077.	1.5	11

#	ARTICLE	IF	CITATIONS
19	Detection of Emerging through-Wall Cracks for Pipe Break Early Warning in Water Distribution Systems Using Permanent Acoustic Monitoring and Acoustic Wave Analysis. <i>Water Resources Management</i> , 2020, 34, 2419-2432.	3.9	23
20	Inverse Wave Reflectometry Method for Hydraulic Transient-Based Pipeline Condition Assessment. <i>Journal of Hydraulic Engineering</i> , 2020, 146, .	1.5	9
21	Bayesian Inverse Transient Analysis for Pipeline Condition Assessment: Parameter Estimation and Uncertainty Quantification. <i>Water Resources Management</i> , 2020, 34, 2807-2820.	3.9	10
22	Paired-IRF Method for Detecting Leaks in Pipe Networks. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2020, 146, .	2.6	23
23	Leak Detection and Topology Identification in Pipelines Using Fluid Transients and Artificial Neural Networks. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2020, 146, .	2.6	59
24	Leak detection in virtually isolated pipe sections within a complex pipe system using a two-source-four-sensor transient testing configuration. <i>Journal of Hydroinformatics</i> , 2020, 22, 1306-1320.	2.4	3
25	Detection of extended blockages in pressurised pipelines using hydraulic transients with a layer-peeling method. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 240, 052019.	0.3	3
26	Experimental Study of Dynamic Effects of Iron Bacteria-Formed Biofilms on Pipeline Head Loss and Roughness. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2019, 145, .	2.6	5
27	Wave separation and pipeline condition assessment using in-pipe fibre optic pressure sensors. <i>Journal of Hydroinformatics</i> , 2019, 21, 371-379.	2.4	12
28	Impedance Estimation along Pipelines by Generalized Reconstructive Method of Characteristics for Pipeline Condition Assessment. <i>Journal of Hydraulic Engineering</i> , 2019, 145, .	1.5	8
29	Condition assessment of pipelines using a Bi-directional layer-peeling method and a dual-sensor configuration. <i>Journal of Sound and Vibration</i> , 2019, 457, 181-196.	3.9	6
30	Sensor Placement Strategy for Pipeline Condition Assessment Using Inverse Transient Analysis. <i>Water Resources Management</i> , 2019, 33, 2761-2774.	3.9	8
31	A virtual hydrological framework for evaluation of stochastic rainfall models. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 4783-4801.	4.9	4
32	A Stochastic Model for Ice Core Time Series. <i>Environmental Modeling and Assessment</i> , 2019, 24, 185-204.	2.2	0
33	Multi-stage parameter-constraining inverse transient analysis for pipeline condition assessment. <i>Journal of Hydroinformatics</i> , 2018, 20, 281-300.	2.4	19
34	Faster Inverse Transient Analysis with a Head-Based Method of Characteristics and a Flexible Computational Grid for Pipeline Condition Assessment. <i>Journal of Hydraulic Engineering</i> , 2018, 144, .	1.5	24
35	Pressure Surge Suppression Using a Metallic-Plastic-Metallic Pipe Configuration. <i>Journal of Hydraulic Engineering</i> , 2018, 144, .	1.5	27
36	A comprehensive and systematic evaluation framework for a parsimonious daily rainfall field model. <i>Journal of Hydrology</i> , 2018, 556, 1123-1138.	5.4	24

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37	Least squares deconvolution for leak detection with a pseudo random binary sequence excitation. Mechanical Systems and Signal Processing, 2018, 99, 846-858.	8.0	59
38	Detecting Thinner-Walled Pipe Sections Using a Spark Transient Pressure Wave Generator. Journal of Hydraulic Engineering, 2018, 144, .	1.5	45
39	The hydrothermal processing of iron oxides from bacterial biofilm waste as new nanomaterials for broad applications. RSC Advances, 2018, 8, 34848-34852.	3.6	5
40	Condition Assessment of Water Pipelines Using a Modified Layer-Peeling Method. Journal of Hydraulic Engineering, 2018, 144, 04018076.	1.5	15
41	In-pipe fibre optic pressure sensor array for hydraulic transient measurement with application to leak detection. Measurement: Journal of the International Measurement Confederation, 2018, 126, 309-317.	5.0	44
42	Optimization of Pumping Costs and Harvested Volume for a Stormwater Harvesting System. Journal of Water Resources Planning and Management - ASCE, 2018, 144, 05018011.	2.6	1
43	Bacterial iron-oxide nanowires from biofilm waste as a new adsorbent for the removal of arsenic from water. RSC Advances, 2017, 7, 3941-3948.	3.6	23
44	Multifunctional microspherical magnetic and pH responsive carriers for combination anticancer therapy engineered by droplet-based microfluidics. Journal of Materials Chemistry B, 2017, 5, 4097-4109.	5.8	36
45	Formulation of the Pump Operations Optimization Problem for a Harvested Stormwater System. Procedia Engineering, 2017, 186, 202-209.	1.2	0
46	Pump Operation Optimization Using Rule-based Controls. Procedia Engineering, 2017, 186, 210-217.	1.2	15
47	Hydraulic transient wave separation algorithm using a dual-sensor with applications to pipeline condition assessment. Journal of Hydroinformatics, 2017, 19, 752-765.	2.4	15
48	Determination of the Creep Function of Viscoelastic Pipelines Using System Resonant Frequencies with Hydraulic Transient Analysis. Journal of Hydraulic Engineering, 2016, 142, .	1.5	35
49	Iron Oxide Nanowires from Bacteria Biofilm as an Efficient Visible-Light Magnetic Photocatalyst. ACS Applied Materials & Interfaces, 2016, 8, 20110-20119.	8.0	31
50	Naturally Derived Iron Oxide Nanowires from Bacteria for Magnetically Triggered Drug Release and Cancer Hyperthermia in 2D and 3D Culture Environments: Bacteria Biofilm to Potent Cancer Therapeutic. Biomacromolecules, 2016, 17, 2726-2736.	5.4	38
51	Field study on non-invasive and non-destructive condition assessment for asbestos cement pipelines by time-domain fluid transient analysis. Structural Health Monitoring, 2016, 15, 113-124.	7.5	27
52	Experimental verification of pipeline frequency response extraction and leak detection using the inverse repeat signal. Journal of Hydraulic Research/De Recherches Hydrauliques, 2016, 54, 210-219.	1.7	36
53	Evaluating regional climate models for simulating sub-daily rainfall extremes. Climate Dynamics, 2016, 47, 1613-1628.	3.8	41
54	Estimating Extreme Spatial Rainfall Intensities. Journal of Hydrologic Engineering - ASCE, 2016, 21, 04015074.	1.9	6

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55	Incorporating seasonality into event-based joint probability methods for predicting flood frequency: A hybrid causative event approach. <i>Journal of Hydrology</i> , 2016, 533, 40-52.	5.4	10
56	Optimization of Pump Operation Using Rule-Based Controls in EPANET2: New ETTAR Toolkit and Correction of Energy Computation. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2016, 142, .	2.6	28
57	Comparison of Pumping Regimes for Water Distribution Systems to Minimize Cost and Greenhouse Gases. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2016, 142, .	2.6	21
58	Study on the Frequency Response Function of Viscoelastic Pipelines Using a Multi-Element Kelvin-Voigt Model. <i>Procedia Engineering</i> , 2015, 119, 226-234.	1.2	17
59	Assessment of the internal dynamics of the Australian Water Balance Model under different calibration regimes. <i>Environmental Modelling and Software</i> , 2015, 66, 57-68.	4.5	16
60	Closure to "Single-Event Leak Detection in Pipeline Using First Three Resonant Responses" by Jinzhe Gong, Martin F. Lambert, Angus R. Simpson, and Aaron C. Zecchin. <i>Journal of Hydraulic Engineering</i> , 2015, 141, 07014020.	1.5	1
61	On-site non-invasive condition assessment for cement mortar-lined metallic pipelines by time-domain fluid transient analysis. <i>Structural Health Monitoring</i> , 2015, 14, 426-438.	7.5	34
62	A strategy for diagnosing and interpreting hydrological model nonstationarity. <i>Water Resources Research</i> , 2014, 50, 5090-5113.	4.2	134
63	Noncrossover Dither Creeping Mutation-Based Genetic Algorithm for Pipe Network Optimization. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2014, 140, 553-557.	2.6	14
64	Detection of Localized Deterioration Distributed along Single Pipelines by Reconstructive MOC Analysis. <i>Journal of Hydraulic Engineering</i> , 2014, 140, 190-198.	1.5	54
65	A compound event framework for understanding extreme impacts. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2014, 5, 113-128.	8.1	442
66	Parameter Identification in Pipeline Networks: Transient-Based Expectation-Maximization Approach for Systems Containing Unknown Boundary Conditions. <i>Journal of Hydraulic Engineering</i> , 2014, 140, .	1.5	17
67	An efficient causative event-based approach for deriving the annual flood frequency distribution. <i>Journal of Hydrology</i> , 2014, 510, 412-423.	5.4	32
68	Performance assessment and improvement of recursive digital baseflow filters for catchments with different physical characteristics and hydrological inputs. <i>Environmental Modelling and Software</i> , 2014, 54, 39-52.	4.5	42
69	Frequency Response Diagram for Pipeline Leak Detection: Comparing the Odd and Even Harmonics. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2014, 140, 65-74.	2.6	41
70	Condition Assessment in Hydraulically Noisy Pipeline Systems Using a Pressure Wave Splitting Method. <i>Procedia Engineering</i> , 2014, 89, 1336-1342.	1.2	6
71	Genetic Algorithm Optimization of Operational Costs and Greenhouse Gas Emissions for Water Distribution Systems. <i>Procedia Engineering</i> , 2014, 89, 509-516.	1.2	22
72	Single-Event Leak Detection in Pipeline Using First Three Resonant Responses. <i>Journal of Hydraulic Engineering</i> , 2013, 139, 645-655.	1.5	60

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73	Detection of Distributed Deterioration in Single Pipes Using Transient Reflections. Journal of Pipeline Systems Engineering and Practice, 2013, 4, 32-40.	1.6	56
74	Determining the Internal Wall Condition of a Water Pipeline in the Field Using an Inverse Transient. Journal of Hydraulic Engineering, 2013, 139, 310-324.	1.5	64
75	Framework for assessing and improving the performance of recursive digital filters for baseflow estimation with application to the Lyne and Hollick filter. Environmental Modelling and Software, 2013, 41, 163-175.	4.5	29
76	Parameter identification of fluid line networks by frequency-domain maximum likelihood estimation. Mechanical Systems and Signal Processing, 2013, 37, 370-387.	8.0	47
77	Determination of the linear frequency response of single pipelines using persistent transient excitation: a numerical investigation. Journal of Hydraulic Research/De Recherches Hydrauliques, 2013, 51, 728-734.	1.7	6
78	Stage discharge prediction in straight compound channels using 3D numerical models. Water Management, 2013, 166, 3-15.	1.2	10
79	Spatial Variability of Stochastically Generated Rainfall. , 2012, , .		0
80	Signal Separation for Transient Wave Reflections in Single Pipelines Using Inverse Filters. , 2012, , .		0
81	Inverse Laplace Transform for Transient-State Fluid Line Network Simulation. Journal of Engineering Mechanics - ASCE, 2012, 138, 101-115.	2.9	7
82	A Null-Buoyancy Thermal Flow Meter With Potential Application to the Measurement of the Hydraulic Conductivity of Soils. IEEE Sensors Journal, 2011, 11, 71-77.	4.7	8
83	An Automatic Soil Pore-Water Salinity Sensor Based on a Wetting-Front Detector. IEEE Sensors Journal, 2011, 11, 245-254.	4.7	13
84	Head- and Flow-Based Formulations for Frequency Domain Analysis of Fluid Transients in Arbitrary Pipe Networks. Journal of Hydraulic Engineering, 2011, 137, 556-568.	1.5	32
85	Calibrating the Water-Hammer Response of a Field Pipe Network by Using a Mechanical Damping Model. Journal of Hydraulic Engineering, 2011, 137, 1225-1237.	1.5	33
86	Generating synthetic high resolution rainfall time series at sites with only daily rainfall using a master target scaling approach. Journal of Hydrology, 2010, 393, 163-173.	5.4	14
87	Field Measurements of Mean Velocity Characteristics of a Large-Diameter Swirling Jet. Journal of Hydraulic Engineering, 2010, 136, 642-650.	1.5	4
88	Frequency-Domain Modeling of Transients in Pipe Networks with Compound Nodes Using a Laplace-Domain Admittance Matrix. Journal of Hydraulic Engineering, 2010, 136, 739-755.	1.5	22
89	Drought Analysis Using Trivariate Copulas Conditional on Climatic States. Journal of Hydrologic Engineering - ASCE, 2010, 15, 129-141.	1.9	158
90	Transient Modeling of Arbitrary Pipe Networks by a Laplace-Domain Admittance Matrix. Journal of Engineering Mechanics - ASCE, 2009, 135, 538-547.	2.9	28

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91	Damage Detection of Operating Transmission Mains with Measured Boundary Conditions. , 2009, , .		0
92	A Log-Antilog Analog Control Circuit for Constant-Power Warm-Thermistor Sensorsâ€™ Application to Plant Water Status Measurement. IEEE Sensors Journal, 2009, 9, 1049-1057.	4.7	12
93	Evaluation of a Warm-Thermistor Flow Sensor for Use in Automatic Seepage Meters. IEEE Sensors Journal, 2009, 9, 1058-1067.	4.7	13
94	Skalak's extended theory of water hammer. Journal of Sound and Vibration, 2008, 310, 718-728.	3.9	30
95	Frequency analysis of rainfall and streamflow extremes accounting for seasonal and climatic partitions. Journal of Hydrology, 2008, 348, 135-147.	5.4	33
96	A spaceâ€time Neymanâ€Scott rainfall model with defined storm extent. Water Resources Research, 2008, 44, .	4.2	32
97	Bayesian model selection applied to artificial neural networks used for water resources modeling. Water Resources Research, 2008, 44, .	4.2	32
98	Parameters affecting water-hammer wave attenuation, shape and timingâ€™Part 2: Case studies. Journal of Hydraulic Research/De Recherches Hydrauliques, 2008, 46, 382-391.	1.7	64
99	Parameters affecting water-hammer wave attenuation, shape and timingâ€™Part 1: Mathematical tools. Journal of Hydraulic Research/De Recherches Hydrauliques, 2008, 46, 373-381.	1.7	99
100	Closure to â€œSystematic Evaluation of One-Dimensional Unsteady Friction Models in Simple Pipelinesâ€ by J. P. VÃtkovskÃ½, A. Bergant, A. R. Simpson, and M. F. Lambert. Journal of Hydraulic Engineering, 2008, 134, 284-284.	1.5	3
101	Valve Design for Extracting Response Functions from Hydraulic Systems Using Pseudorandom Binary Signals. Journal of Hydraulic Engineering, 2008, 134, 858-864.	1.5	23
102	Discrete Blockage Detection in Pipelines Using the Frequency Response Diagram: Numerical Study. Journal of Hydraulic Engineering, 2008, 134, 658-663.	1.5	94
103	Transient-Based Periodical Pipeline Leak Diagnosis. , 2008, , .		0
104	An Analytical Solution for the Transients in a Pipeline with a Variable Boundary Condition: Leak Detection In Pipe Networks Using Coded Transients. , 2008, , .		2
105	Transient Reflection Analysis to Identify Problems with a Raw Water Pumping Main. , 2008, , .		0
106	Laplace-Domain Comparison of Linear Models of a Reservoir-Pipe-Valve System with a Leak. , 2008, , .		1
107	Field Test Investigations into Distributed Fault Modeling in Water Distribution Systems Using Transient Testing. , 2007, , 1.		3
108	Leak location in pipelines using the impulse response function. Journal of Hydraulic Research/De Recherches Hydrauliques, 2007, 45, 643-652.	1.7	54

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109	Assessing water mains condition using hydraulic transients. <i>Water Management</i> , 2007, 160, 89-94.	1.2	5
110	Implementing a space-time rainfall model for the Sydney region. <i>Water Science and Technology</i> , 2007, 55, 39-47.	2.5	7
111	Experimental Observation and Analysis of Inverse Transients for Pipeline Leak Detection. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2007, 133, 519-530.	2.6	113
112	Using Smart Sensor Strings for Continuous Monitoring of Temperature Stratification in Large Water Bodies. <i>IEEE Sensors Journal</i> , 2006, 6, 1473-1481.	4.7	18
113	Experimental verification of the frequency response method for pipeline leak detection. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2006, 44, 693-707.	1.7	145
114	Efficient simulation of a space-time Neyman-Scott rainfall model. <i>Water Resources Research</i> , 2006, 42, .	4.2	3
115	Breakwater Morphological Modelling: Predicting Equilibrium Morphologies Using Entropy Based Techniques. , 2006, , 1.		0
116	Systematic Evaluation of One-Dimensional Unsteady Friction Models in Simple Pipelines. <i>Journal of Hydraulic Engineering</i> , 2006, 132, 696-708.	1.5	119
117	Discharge prediction in compound channels by end depth method. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2006, 44, 767-776.	1.7	8
118	Failure monitoring in water distribution networks. <i>Water Science and Technology</i> , 2006, 53, 503-511.	2.5	43
119	Joint probability and design storms at the crossroads. <i>Australian Journal of Water Resources</i> , 2006, 10, 63-79.	2.7	32
120	A probabilistic method for assisting knowledge extraction from artificial neural networks used for hydrological prediction. <i>Mathematical and Computer Modelling</i> , 2006, 44, 499-512.	2.0	26
121	Numerical Error in Weighting Function-Based Unsteady Friction Models for Pipe Transients. <i>Journal of Hydraulic Engineering</i> , 2006, 132, 709-721.	1.5	47
122	Benchmark Tests of Evolutionary Algorithms: Mathematic Evaluation and Application to Water Distribution Systems. <i>Journal of Environmental Informatics</i> , 2006, 7, 24-35.	6.0	15
123	Field Measurements of Unsteady Friction Effects in a Trunk Transmission Pipeline. , 2005, , 1.		6
124	Leak location using the pattern of the frequency response diagram in pipelines: a numerical study. <i>Journal of Sound and Vibration</i> , 2005, 284, 1051-1073.	3.9	137
125	Two-dimensional equilibrium morphological modelling of a tidal inlet: an entropy based approach. <i>Ocean Dynamics</i> , 2005, 55, 549-558.	2.2	8
126	Behavior of Short Lateral Dead Ends on Pipeline Transients: A Lumped Parameter Model and an Analytical Solution. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2005, 127, 529-535.	1.5	3



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127	Using Field Measured Transient Responses in a Water Distribution System to Assess Valve Status and Network Topology. , 2005, , 1.		1
128	Frequency Domain Analysis for Detecting Pipeline Leaks. Journal of Hydraulic Engineering, 2005, 131, 596-604.	1.5	144
129	Detection and Location of a Partial Blockage in a Pipeline Using Damping of Fluid Transients. Journal of Water Resources Planning and Management - ASCE, 2005, 131, 244-249.	2.6	94
130	Reynolds Stress and Bed Shear in Nonuniform Unsteady Open-Channel Flow. Journal of Hydraulic Engineering, 2005, 131, 610-614.	1.5	41
131	Calibration and validation of neural networks to ensure physically plausible hydrological modeling. Journal of Hydrology, 2005, 314, 158-176.	5.4	65
132	Bayesian training of artificial neural networks used for water resources modeling. Water Resources Research, 2005, 41, .	4.2	89
133	Pipeline Break Detection Using Pressure Transient Monitoring. Journal of Water Resources Planning and Management - ASCE, 2005, 131, 316-325.	2.6	104
134	Field Tests for Leakage, Air Pocket, and Discrete Blockage Detection Using Inverse Transient Analysis in Water Distribution Pipes. , 2004, , 1.		16
135	Numerical models for management of Anabaena circinalis. Journal of Applied Phycology, 2004, 16, 457-468.	2.8	14
136	Detection and Location of a Partial Blockage in Pipeline Systems Using Damping of Fluid Transients. , 2004, , 1.		3
137	Modelling the effects of artificial mixing and copper sulphate dosing on phytoplankton in an Australian reservoir. Lakes and Reservoirs: Research and Management, 2003, 8, 31-40.	0.9	11
138	Optimal Measurement Site Locations for Inverse Transient Analysis in Pipe Networks. Journal of Water Resources Planning and Management - ASCE, 2003, 129, 480-492.	2.6	66
139	Overcoming the joint probability problem associated with initial loss estimation in design flood estimation. Australian Journal of Water Resources, 2003, 7, 101-109.	2.7	12
140	A non-parametric hidden Markov model for climate state identification. Hydrology and Earth System Sciences, 2003, 7, 652-667.	4.9	25
141	Modelling persistence in annual Australia point rainfall. Hydrology and Earth System Sciences, 2003, 7, 197-211.	4.9	26
142	Incorporating Long-Term Climate Variability into a Short-Timescale Rainfall Model Using a Hidden State Markov Model. Australian Journal of Water Resources, 2002, 6, 63-70.	2.7	1
143	Leak Detection in Pipelines using the Damping of Fluid Transients. Journal of Hydraulic Engineering, 2002, 128, 697-711.	1.5	246
144	The simulation of an Australian reservoir using a phytoplankton community model: protech. Ecological Modelling, 2002, 150, 107-116.	2.5	33

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145	A point rainfall model for risk-based design. Journal of Hydrology, 2001, 247, 54-71.	5.4	67
146	Energy and momentum in one dimensional open channel flow. Journal of Hydraulic Research/De Recherches Hydrauliques, 2000, 38, 233-239.	1.7	4
147	Leak Detection and Calibration Using Transients and Genetic Algorithms. Journal of Water Resources Planning and Management - ASCE, 2000, 126, 262-265.	2.6	240
148	Leak Detection and Calibration of Water Distribution Systems Using Transients and Genetic Algorithms. , 1999, , 1.		15
149	Seasonal generalized exponential probability models with application to interstorm and storm durations. Water Resources Research, 1998, 34, 143-148.	4.2	11
150	Discharge prediction in straight compound channels using the mixing length concept. Journal of Hydraulic Research/De Recherches Hydrauliques, 1996, 34, 381-394.	1.7	59