

Geneviève Pelletier

List of Publications by Year in descending order

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33
papers

781
citations

687363

13
h-index

526287

27
g-index

33
all docs

33
docs citations

33
times ranked

613
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling Water Pipe Breaks—Three Case Studies. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2003, 129, 115-123.	2.6	139
2	Global optimal real-time control of the Quebec urban drainage system. <i>Environmental Modelling and Software</i> , 2005, 20, 401-413.	4.5	129
3	Modeling the evolution of the structural state of water pipe networks with brief recorded pipe break histories: Methodology and application. <i>Water Resources Research</i> , 2000, 36, 3053-3062.	4.2	73
4	Optimization methods applied to stormwater management problems: a review. <i>Urban Water Journal</i> , 2018, 15, 276-286.	2.1	57
5	Ecohydraulic-driven real-time control of stormwater basins. <i>Journal of Hydrology</i> , 2014, 511, 82-91.	5.4	48
6	Pollutant removal efficiency of a retrofitted stormwater detention pond. <i>Water Quality Research Journal of Canada</i> , 2014, 49, 124-134.	2.7	43
7	An integrated optimization and rule-based approach for predictive real time control of urban stormwater management systems. <i>Journal of Hydrology</i> , 2019, 577, 124000.	5.4	35
8	Selection of rainfall information as input data for the design of combined sewer overflow solutions. <i>Journal of Hydrology</i> , 2018, 565, 559-569.	5.4	33
9	Relationships between DBP concentrations and differential UV absorbance in full-scale conditions. <i>Water Research</i> , 2018, 131, 110-121.	11.3	28
10	Real-time control of stormwater detention basins as an adaptation measure in mid-size cities. <i>Urban Water Journal</i> , 2018, 15, 858-867.	2.1	26
11	Hydrologic Performance of Permeable Pavement as an Adaptive Measure in Urban Areas: Case Studies near Montreal, Canada. <i>Journal of Hydrologic Engineering - ASCE</i> , 2019, 24, 05019020.	1.9	18
12	A smart predictive framework for system-level stormwater management optimization. <i>Journal of Environmental Management</i> , 2021, 278, 111505.	7.8	18
13	Water residence time in a distribution system and its impact on disinfectant residuals and trihalomethanes. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2011, 60, 375-390.	1.4	17
14	On the reliability of spatially disaggregated global ensemble rainfall forecasts. <i>Hydrological Processes</i> , 2013, 27, 45-56.	2.6	15
15	Optimization of Real-time Control With Green and Gray Infrastructure Design for a Cost-Effective Mitigation of Combined Sewer Overflows. <i>Water Resources Research</i> , 2021, 57, e2021WR030282.	4.2	14
16	Behavior of non-regulated disinfection by-products in water following multiple chlorination points during treatment. <i>Science of the Total Environment</i> , 2017, 586, 870-878.	8.0	13
17	Real-time model predictive and rule-based control with green infrastructures to reduce combined sewer overflows. <i>Water Research</i> , 2022, 221, 118753.	11.3	11
18	Characterization of 1-h rainfall temporal patterns using a Kohonen neural network: a Quebec City case study. <i>Canadian Journal of Civil Engineering</i> , 2009, 36, 980-990.	1.3	10

#	ARTICLE	IF	CITATIONS
19	Tracer study to verify hydraulic limits and determine water residence times in a distribution system: Part I. Journal of Water Supply: Research and Technology - AQUA, 2015, 64, 365-377.	1.4	8
20	Variability of water residence time and free chlorine and disinfection by-product concentrations within a residential neighborhood. Journal of Water Supply: Research and Technology - AQUA, 2017, 66, 219-228.	1.4	8
21	Characterisation of retention tank water quality: particle settling velocity distribution and retention time. Water Quality Research Journal of Canada, 2013, 48, 321-332.	2.7	7
22	Using a tracer to identify water supply zones in a distribution network. Journal of Water Supply: Research and Technology - AQUA, 2009, 58, 433-442.	1.4	6
23	Minimizing water residence time in Quebec City's main distribution network using hybrid discrete dynamically dimensioned search (HD-DDS): Part II. Journal of Water Supply: Research and Technology - AQUA, 2015, 64, 378-390.	1.4	6
24	Bulk and pipe wall chlorine degradation kinetics in three water distribution systems. Urban Water Journal, 2021, 18, 512-521.	2.1	6
25	Impacts of the ageing and rehabilitation of water pipes on residence times at the residential neighborhood scale. Urban Water Journal, 2017, 14, 940-946.	2.1	4
26	Seasonal hydrological and water quality performance of individual and in-series stormwater infrastructures as treatment trains in cold climate. Water Quality Research Journal of Canada, 0, , .	2.7	3
27	Optimization of the Regional Municipality of Ottawa-Carleton's water supply system operations. I. Model development. Canadian Journal of Civil Engineering, 1996, 23, 347-357.	1.3	2
28	Caract�risation et bilans de masse des eaux unitaires d'un r�servoir de r�tention. Canadian Journal of Civil Engineering, 2013, 40, 213-223.	1.3	1
29	Gestion des d�bits d�un barrage en milieu urbanis�. Canadian Journal of Civil Engineering, 2016, 43, 1007-1016.	1.3	1
30	Comparison of Hydrological Model-Based and Geographical-Based Approaches for Estimating Water Travel Times for Source Water Protection. Environmental Processes, 2021, 8, 99-117.	3.5	1
31	Comparison of methods to evaluate overland travel times for source water protection. Journal of Environmental Planning and Management, 2022, 65, 1932-1948.	4.5	1
32	Optimization of the Regional Municipality of Ottawa-Carleton's water supply system operations. II. Model results and analyses. Canadian Journal of Civil Engineering, 1996, 23, 358-372.	1.3	0
33	Performance of green infrastructure for storm water treatment in cold climate (Canada). Journal of Environmental Engineering and Science, 0, , 1-10.	0.8	0