

Graham A Gagnon

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.

199
papers

3,081
citations

31
h-index

44
g-index

209
ext. papers

3,590
ext. citations

5
avg, IF

5.73
L-index

#	Paper	IF	Citations
199	Co-development of a risk assessment tool for use in First Nations water supply systems: A key step to water safety plan implementation.. <i>International Journal of Hygiene and Environmental Health</i> , 2022 , 240, 113916	6.9	2
198	Comparing quantitative probability of occurrence to a risk matrix approach: A study of chlorine residual data.. <i>Water Research</i> , 2022 , 218, 118480	12.5	
197	Comparing the Predictive Performance, Interpretability, and Accessibility of Machine Learning and Physically Based Models for Water Treatment. <i>ACS ES&T Engineering</i> , 2021 , 1, 348-356		1
196	Biological and physico-chemical mechanisms accelerating the acclimation of Mn-removing biofilters. <i>Water Research</i> , 2021 , 207, 117793	12.5	2
195	Relative importance of organic- and iron-based colloids in six Nova Scotian lakes. <i>Npj Clean Water</i> , 2021 , 4,	11.2	3
194	Pilot-scale comparison of sodium silicates, orthophosphate and pH adjustment to reduce lead release from lead service lines. <i>Water Research</i> , 2021 , 195, 116955	12.5	4
193	Assessing the impact of multiple ultraviolet disinfection cycles on N95 filtering facepiece respirator integrity. <i>Scientific Reports</i> , 2021 , 11, 12279	4.9	2
192	Specificity of UV-C LED disinfection efficacy for three N95 respirators. <i>Scientific Reports</i> , 2021 , 11, 15350	4.9	1
191	Assessing strategies to improve the efficacy and efficiency of direct filtration plants facing changes in source water quality from anthropogenic and climatic pressures. <i>Journal of Water Process Engineering</i> , 2021 , 39, 101689	6.7	2
190	Pandemic danger to the deep: The risk of marine mammals contracting SARS-CoV-2 from wastewater. <i>Science of the Total Environment</i> , 2021 , 760, 143346	10.2	22
189	Instrument Hacking: Repurposing and Recoding a Multiwell Instrument for Automated, High-Throughput Monochromatic UV Photooxidation of Organic Compounds. <i>ACS ES&T Engineering</i> , 2021 , 1, 281-288		1
188	Validation of a QuEChERS method for extraction of estrogens from a complex water matrix and quantitation via high-performance liquid chromatography-mass spectrometry. <i>Chemosphere</i> , 2021 , 263, 128315	8.4	3
187	Controlling lead release due to uniform and galvanic corrosion - An evaluation of silicate-based inhibitors. <i>Journal of Hazardous Materials</i> , 2021 , 407, 124707	12.8	5
186	Impact of sodium silicate on lead release and colloid size distributions in drinking water. <i>Water Research</i> , 2021 , 190, 116709	12.5	7
185	Impact of sodium silicate on lead release from lead(II) carbonate. <i>Environmental Science: Water Research and Technology</i> , 2021 , 7, 599-609	4.2	2
184	Detection of SARS-CoV-2 in wastewater in Halifax, Nova Scotia, Canada, using four RT-qPCR assays. <i>Facets</i> , 2021 , 6, 959-965	2.3	2
183	Chemical recovery and browning of Nova Scotia surface waters in response to declining acid deposition. <i>Environmental Sciences: Processes and Impacts</i> , 2021 , 23, 446-456	4.3	4

182	Monitoring the influence of wastewater effluent on a small drinking water system using EEM fluorescence spectroscopy coupled with a PARAFAC and PCA statistical approach. <i>Environmental Sciences: Processes and Impacts</i> , 2021 , 23, 880-889	4.3	2
181	A novel passive sampling approach for SARS-CoV-2 in wastewater in a Canadian province with low prevalence of COVID-19. <i>Environmental Science: Water Research and Technology</i> , 2021 , 7, 1576-1586	4.2	10
180	An extensive clean-up method for extraction of 17 β -estradiol from eel aquaculture waste solids for quantitation via high-performance liquid chromatography tandem-mass spectrometry. <i>Aquaculture</i> , 2021 , 542, 736873	4.4	1
179	Predicting manganese and iron precipitation in drinking water biofilters. <i>AWWA Water Science</i> , 2021 , 3,	1.6	1
178	An automated and high-throughput method for adenosine triphosphate quantification. <i>AWWA Water Science</i> , 2020 , 2, e1202	1.6	
177	Large global variations in measured airborne metal concentrations driven by anthropogenic sources. <i>Scientific Reports</i> , 2020 , 10, 21817	4.9	4
176	The distribution and transport of lead over two centuries as recorded by lake sediments from northeastern North America. <i>Science of the Total Environment</i> , 2020 , 737, 140212	10.2	7
175	Characterization of a commercially-available, low-pressure UV lamp as a disinfection system for decontamination of common nosocomial pathogens on N95 filtering facepiece respirator (FFR) material. <i>Environmental Science: Water Research and Technology</i> , 2020 , 6, 2089-2102	4.2	7
174	Evaluating the performance of calculated elemental measures in sediment archives. <i>Journal of Paleolimnology</i> , 2020 , 64, 155-166	2.1	3
173	TiN, ZrN, and HfN Nanoparticles on Nanoporous Aluminum Oxide Membranes for Solar-Driven Water Evaporation and Desalination. <i>ACS Applied Nano Materials</i> , 2020 , 3, 2787-2794	5.6	26
172	Source Water Characteristics and Building-specific Factors Influence Corrosion and Point of Use Water Quality in a Decentralized Arctic Drinking Water System. <i>Environmental Science & Technology</i> , 2020 , 54, 2192-2201	10.3	8
171	Inorganic contaminants in Canadian First Nation community water systems. <i>Journal of Water and Health</i> , 2020 , 18, 728-740	2.2	2
170	Microbiological water quality in a decentralized Arctic drinking water system. <i>Environmental Science: Water Research and Technology</i> , 2020 , 6, 1855-1868	4.2	6
169	Evaluating the use and intent of drinking water advisories in Atlantic Canada. <i>Water Policy</i> , 2020 , 22, 908-924	1.6	1
168	Potential regulatory implications of Health Canada's new lead guideline. <i>AWWA Water Science</i> , 2020 , 2, e1182	1.6	3
167	Understanding the impacts of sodium silicate on water quality and iron oxide particles. <i>Environmental Science: Water Research and Technology</i> , 2019 , 5, 1360-1370	4.2	9
166	Modeling the fate of dietary 17 β -estradiol and its metabolites in an American eel (<i>Anguilla rostrata</i>) recirculating aquaculture system. <i>Aquacultural Engineering</i> , 2019 , 86, 101995	3	3
165	Evaluating the utility of elemental measurements obtained from factory-calibrated field-portable X-Ray fluorescence units for aquatic sediments. <i>Environmental Pollution</i> , 2019 , 249, 45-53	9.3	4

164	Exploring the detection of microcystin-LR using polar organic chemical integrative samplers (POCIS). <i>Environmental Sciences: Processes and Impacts</i> , 2019 , 21, 659-666	4.3	3
163	Manganese Increases Lead Release to Drinking Water. <i>Environmental Science & Technology</i> , 2019 , 53, 4803-4812	10.3	25
162	Sedimentation: Hydraulic improvement of drinking water biofiltration. <i>AWWA Water Science</i> , 2019 , 1, e1160	1.6	1
161	Rapid Rate Biological Filtration in Drinking Water Treatment 2019 , 1-11		
160	Characterizing colloidal metals in drinking water by field flow fractionation. <i>Environmental Science: Water Research and Technology</i> , 2019 , 5, 2202-2209	4.2	10
159	Biomass Recovery Method for Adenosine Triphosphate (ATP) Quantification Following UV Disinfection. <i>Ozone: Science and Engineering</i> , 2019 , 41, 146-155	2.4	2
158	Inactivation of biofilm-bound <i>Pseudomonas aeruginosa</i> bacteria using UVC light emitting diodes (UVC LEDs). <i>Water Research</i> , 2019 , 151, 193-202	12.5	23
157	Fluorescence Spectra Predict Microcystin-LR and Disinfection Byproduct Formation Potential in Lake Water. <i>Environmental Science & Technology</i> , 2019 , 53, 586-594	10.3	11
156	Effects of ortho- and polyphosphates on lead speciation in drinking water. <i>Environmental Science: Water Research and Technology</i> , 2018 , 4, 505-512	4.2	21
155	Potential for manganese biofouling in water transmission lines using model reactors. <i>Environmental Science: Water Research and Technology</i> , 2018 , 4, 761-772	4.2	4
154	Seawater ozonation: effects of seawater parameters on oxidant loading rates, residual toxicity, and total residual oxidants/by-products reduction during storage time. <i>Ozone: Science and Engineering</i> , 2018 , 40, 399-414	2.4	7
153	Water safety plans as a tool for drinking water regulatory frameworks in Arctic communities. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 32988-33000	5.1	7
152	Chemical and microbial characteristics of municipal drinking water supply systems in the Canadian Arctic. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 32926-32937	5.1	12
151	Using a geotextile with flocculated filter backwash water and its impact on aluminium concentrations. <i>Geotextiles and Geomembranes</i> , 2018 , 46, 759-769	5.2	6
150	Lead Levels at the Tap and Consumer Exposure from Legacy and Recent Lead Service Line Replacements in Six Utilities. <i>Environmental Science & Technology</i> , 2018 , 52, 9451-9459	10.3	14
149	Anthropogenic activity in the Halifax region, Nova Scotia, Canada, as recorded by bulk geochemistry of lake sediments. <i>Lake and Reservoir Management</i> , 2018 , 34, 334-348	1.3	6
148	Advanced oxidation processes for treatment of 17 β -Estradiol and its metabolites in aquaculture wastewater. <i>Aquacultural Engineering</i> , 2018 , 83, 40-46	3	17
147	Predicting microalgae growth and phosphorus removal in cold region waste stabilization ponds using a stochastic modelling approach. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 32952-32963	5.1	2

146	Understanding the Impact of Extracellular Polymeric Substances on Lead Release in Drinking Water Systems. <i>ACS Omega</i> , 2018 , 3, 14824-14832	3.9	3
145	Lead Service Lines: Management and Public Perception in 21 Utilities. <i>Journal - American Water Works Association</i> , 2018 , 110, E38-E50	0.5	3
144	Photo-oxidation of 11-nor-9-carboxy- Δ^9 -tetrahydrocannabinol using medium-pressure UV and UV/H ₂ O ₂ as kinetic study. <i>Environmental Science: Water Research and Technology</i> , 2018 , 4, 1262-1271	4.2	5
143	Influence of the Mixing Energy Consumption Affecting Coagulation and Floc Aggregation. <i>Environmental Science & Technology</i> , 2017 , 51, 3480-3489	10.3	7
142	Water quality and filter performance of nutrient-, oxidant- and media-enhanced drinking water biofilters. <i>Environmental Science: Water Research and Technology</i> , 2017 , 3, 520-533	4.2	6
141	A critical review of the occurrence, detection, and treatment of Δ^9 -tetrahydrocannabinol in aquatic environments. <i>Environmental Reviews</i> , 2017 , 25, 255-268	4.5	9
140	Galvanic Corrosion of Lead by Iron (Oxyhydr)Oxides: Potential Impacts on Drinking Water Quality. <i>Environmental Science & Technology</i> , 2017 , 51, 6812-6820	10.3	18
139	Lake Recovery Through Reduced Sulfate Deposition: A New Paradigm for Drinking Water Treatment. <i>Environmental Science & Technology</i> , 2017 , 51, 1414-1422	10.3	31
138	Physicochemical characterization of Atlantic Canadian seafood processing plant effluent. <i>Marine Pollution Bulletin</i> , 2017 , 116, 137-142	6.7	14
137	Chlorination Kinetics of 11-Nor-9-carboxy- Δ^9 -tetrahydrocannabinol: Effects of pH and Humic Acid. <i>Environmental Science & Technology</i> , 2017 , 51, 10711-10717	10.3	14
136	Environmental and operational factors affecting carbon removal in model arctic waste stabilization ponds. <i>Ecological Engineering</i> , 2017 , 98, 91-97	3.9	6
135	Preparing for Success [Drinking Water Safety Plans and Lessons Learned from Alberta: Policy Considerations Contextualized for Small Systems. <i>Global Issues in Water Policy</i> , 2017 , 321-335	0.9	5
134	Microalgae growth and phosphorus uptake in wastewater under simulated cold region conditions. <i>Ecological Engineering</i> , 2016 , 95, 588-593	3.9	36
133	Biomass Evolution in Full-Scale Anthracite-Sand Drinking Water Filters Following Conversion to Biofiltration. <i>Journal - American Water Works Association</i> , 2016 , 108, E615-E623	0.5	7
132	Characterizing phosphorus removal in passive waste stabilization ponds in Arctic communities. <i>Arctic Science</i> , 2016 , 2, 1-14	2.2	6
131	Evaluating the Effects of Full and Partial Lead Service Line Replacement on Lead Levels in Drinking Water. <i>Environmental Science & Technology</i> , 2016 , 50, 7389-96	10.3	34
130	Evaluation of exposure to lead from drinking water in large buildings. <i>Water Research</i> , 2016 , 99, 46-55	12.5	32
129	Assessing protozoan risks for surface drinking water supplies in Nova Scotia, Canada. <i>Journal of Water and Health</i> , 2016 , 14, 155-66	2.2	4

128	Growth and structure of flocs following electrocoagulation. <i>Separation and Purification Technology</i> , 2016 , 163, 162-168	8.3	30
127	Fountain Autopsy to Determine Lead Occurrence in Drinking Water. <i>Journal of Environmental Engineering, ASCE</i> , 2016 , 142, 04015083	2	2
126	Impacts of hydraulic fracturing on water quality: a review of literature, regulatory frameworks and an analysis of information gaps. <i>Environmental Reviews</i> , 2016 , 24, 122-131	4.5	31
125	Comparing the growth and structure of flocs from electrocoagulation and chemical coagulation. <i>Journal of Water Process Engineering</i> , 2016 , 10, 20-29	6.7	30
124	Prediction of disinfection by-product formation in drinking water via fluorescence spectroscopy. <i>Environmental Science: Water Research and Technology</i> , 2016 , 2, 383-389	4.2	19
123	Impact of Zinc Orthophosphate on Simulated Drinking Water Biofilms Influenced by Lead and Copper. <i>Journal of Environmental Engineering, ASCE</i> , 2016 , 142, 04015067	2	7
122	Characterization, fate and transport of floc aggregates in full-scale flocculation tanks. <i>Environmental Science: Water Research and Technology</i> , 2016 , 2, 223-232	4.2	3
121	A new analytical approach to understanding nanoscale lead-iron interactions in drinking water distribution systems. <i>Journal of Hazardous Materials</i> , 2016 , 311, 151-7	12.8	23
120	Understanding the Role of Particulate Iron in Lead Release to Drinking Water. <i>Environmental Science & Technology</i> , 2016 , 50, 9053-60	10.3	28
119	Water compliance challenges: how do Canadian small water systems respond?. <i>Water Policy</i> , 2015 , 17, 349-369	1.6	11
118	Performance of municipal waste stabilization ponds in the Canadian Arctic. <i>Ecological Engineering</i> , 2015 , 83, 413-421	3.9	33
117	Hydraulic fracturing Integrating public participation with an independent review of the risks and benefits. <i>Energy Policy</i> , 2015 , 85, 299-308	7.2	27
116	The human dimension of water safety plans: a critical review of literature and information gaps. <i>Environmental Reviews</i> , 2015 , 23, 24-29	4.5	37
115	The rate and efficiency of iron generation in an electrocoagulation system. <i>Environmental Technology (United Kingdom)</i> , 2015 , 36, 2419-27	2.6	5
114	Role of iron and aluminum coagulant metal residuals and lead release from drinking water pipe materials. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2015 , 50, 414-23	2.3	21
113	Application of low-mixing energy input for the coagulation process. <i>Water Research</i> , 2015 , 84, 333-41	12.5	7
112	In-line coagulation to reduce high-pressure membrane fouling in an integrated membrane system: a case study. <i>Desalination and Water Treatment</i> , 2015 , 56, 1987-1998		3
111	Manganese removal by hydrogen peroxide and biofiltration. <i>Journal of Environmental Engineering and Science</i> , 2015 , 10, 81-91	0.8	

110	Full-Scale Prechlorine Removal: Impact on Filter Performance and Water Quality. <i>Journal - American Water Works Association</i> , 2015 , 107, E638-E647	0.5	23
109	Comparison of sodium silicate and phosphate for controlling lead release from copper pipe rigs. <i>Canadian Journal of Civil Engineering</i> , 2015 , 42, 953-959	1.3	10
108	Assessment of Arctic community wastewater impacts on marine benthic invertebrates. <i>Environmental Science & Technology</i> , 2015 , 49, 760-6	10.3	16
107	Removal of acidic pharmaceuticals within a nitrifying recirculating biofilter. <i>Journal of Hazardous Materials</i> , 2014 , 273, 85-93	12.8	12
106	Direct Biofiltration for Manganese Removal from Surface Water. <i>Journal of Environmental Engineering, ASCE</i> , 2014 , 140, 04014006	2	27
105	Bench-scale evaluation of drinking water treatment parameters on iron particles and water quality. <i>Water Research</i> , 2014 , 48, 137-47	12.5	43
104	Application of photoelectrochemical chemical oxygen demand to drinking water. <i>Journal - American Water Works Association</i> , 2014 , 106, E383-E390	0.5	9
103	Development of a Rapid ATP Analysis Method for UV Disinfection Monitoring - Confirming Microbial Response in a Single Work Shift. <i>Proceedings of the Water Environment Federation</i> , 2014 , 2014, 3929-3939		
102	Small domestic wastewater treatment using waste materials. <i>International Journal of Environmental Technology and Management</i> , 2014 , 17, 30	0.6	
101	Establishing minimum free chlorine residual concentration for microbial control in a municipal drinking water distribution system. <i>Water Practice and Technology</i> , 2014 , 9, 491-501	0.9	1
100	Formation kinetics of gemfibrozil chlorination reaction products: analysis and application. <i>Water Environment Research</i> , 2014 , 86, 654-62	2.8	4
99	Review of the factors relevant to the design and operation of an electrocoagulation system for wastewater treatment. <i>Environmental Reviews</i> , 2014 , 22, 421-429	4.5	18
98	Drinking water safety plans: barriers and bridges for small systems in Alberta, Canada. <i>Water Policy</i> , 2014 , 16, 1140-1154	1.6	27
97	Water Reclamation and Reuse. <i>Water Environment Research</i> , 2014 , 86, 1297-1313	2.8	3
96	Bench-scale evaluation of ferrous iron oxidation kinetics in drinking water: effect of corrosion control and dissolved organic matter. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2014 , 49, 1-9	2.3	4
95	Combined use of resin fractionation and high performance size exclusion chromatography for characterization of natural organic matter. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2014 , 49, 1615-22	2.3	7
94	Development and validation of an SPE-GC-MS/MS taste and odour method for analysis in surface water. <i>International Journal of Environmental Analytical Chemistry</i> , 2014 , 94, 1302-1316	1.8	13
93	Iron corrosion as a factor contributing to haloacetic acids formation in the distribution system: experimental assessment and model development 2014 , 63, 461-475		1

92	Adsorption of dissolved organic matter (DOM) onto the synthetic iron pipe corrosion scales (goethite and magnetite): Effect of pH. <i>Chemical Engineering Journal</i> , 2013 , 234, 149-157	14.7	68
91	Water Reclamation and Reuse. <i>Water Environment Research</i> , 2013 , 85, 1308-1321	2.8	3
90	Bench scale evaluation of Fe(II) ions on haloacetic acids (HAAs) formation in synthetic water 2013 , 62, 155-168		3
89	Comparison of Chlorine and Chloramines on Lead Release from Copper Pipe Rigs. <i>Journal of Environmental Engineering, ASCE</i> , 2013 , 139, 1099-1107	2	10
88	Arsenic removal from groundwater through iron oxyhydroxide coated waste products. <i>Journal of Environmental Engineering and Science</i> , 2013 , 8, 223-230	0.8	1
87	Evaluation of treatment options for Atlantic Canadian seafood processing plant effluent. <i>Journal of Environmental Engineering and Science</i> , 2013 , 8, 448-460	0.8	3
86	Role of the water main in lead service line replacement: A utility case study. <i>Journal - American Water Works Association</i> , 2013 , 105, E423-E431	0.5	31
85	Identifying the sources driving observed PM _{2.5} ; temporal variability over Halifax, Nova Scotia, during BORTAS-B. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 7199-7213	6.8	37
84	A simple, low-cost flow rate measurement technique for bench-scale RO fouling experiments. <i>Desalination</i> , 2012 , 284, 228-232	10.3	
83	Use of surface enhanced Raman spectroscopy for studying fouling on nanofiltration membrane. <i>Separation and Purification Technology</i> , 2012 , 96, 7-11	8.3	24
82	Pairing a pilot plant to a direct filtration water treatment plant. <i>Canadian Journal of Civil Engineering</i> , 2012 , 39, 689-700	1.3	9
81	Characterization and removal of natural organic matter by an integrated membrane system. <i>Desalination</i> , 2012 , 303, 12-16	10.3	34
80	Integrating bench- and full-scale nanofiltration testing for two surface waters 2012 , 61, 291-305		3
79	Treatment Performance of Wastewater Stabilization Ponds in Canada@ Far North 2012 ,		5
78	Recent Technologies for Ballast Water Treatment. <i>Ozone: Science and Engineering</i> , 2012 , 34, 174-195	2.4	24
77	Research findings: What utility managers need to know. <i>Journal - American Water Works Association</i> , 2012 , 104, 63-68	0.5	
76	Identification of reaction products from reactions of free chlorine with the lipid-regulator gemfibrozil. <i>Water Research</i> , 2011 , 45, 1414-22	12.5	40
75	Comparison of advanced oxidation processes for the removal of natural organic matter. <i>Water Research</i> , 2011 , 45, 3263-9	12.5	149

74	Photocatalytic oxidation of DBP precursors using UV with suspended and fixed TiO ₂ . <i>Water Research</i> , 2011 , 45, 6173-80	12.5	22
73	Assessment of hydraulic flocculation processes using CFD. <i>Journal - American Water Works Association</i> , 2011 , 103, 66-80	0.5	14
72	Comparing the Formation of Bromate and Bromoform Due to Ozonation and UV-TiO ₂ Oxidation in Seawater. <i>Journal of Advanced Oxidation Technologies</i> , 2011 , 14,		4
71	A method for the detection of bromate in brackish water. <i>Aquacultural Engineering</i> , 2011 , 45, 9-12	3	9
70	Unintended consequences of regulating drinking water in rural Canadian communities: examples from Atlantic Canada. <i>Health and Place</i> , 2011 , 17, 1030-7	4.6	38
69	Development of a bench-scale immersed ultrafiltration apparatus for coagulation pretreatment experiments. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2011 , 46, 648-58	2.3	1
68	Ozone Application in Recirculating Aquaculture System: An Overview. <i>Ozone: Science and Engineering</i> , 2011 , 33, 345-367	2.4	86
67	Understanding removal of phosphate or arsenate onto water treatment residual solids. <i>Journal of Hazardous Materials</i> , 2011 , 186, 1916-23	12.8	59
66	Molecular techniques and data integration: investigating distribution system coliform events 2010 , 59, 298-311		3
65	Determination of conventional velocity gradient (G) using CFD technique for a pilot-scale flocculation system 2010 , 59, 459-470		3
64	Adsorption of arsenic from a Nova Scotia groundwater onto water treatment residual solids. <i>Water Research</i> , 2010 , 44, 5740-9	12.5	45
63	Evaluation of treatment options for Atlantic Canadian seafood processing plant effluentA paper submitted to the Journal of Environmental Engineering and Science.. <i>Canadian Journal of Civil Engineering</i> , 2010 , 37, 167-178	1.3	
62	Real-time monitoring of arsenic filtration by granular ferric hydroxide. <i>Applied Radiation and Isotopes</i> , 2010 , 68, 821-4	1.7	2
61	Toxicology evaluation of Atlantic Canadian seafood processing plant effluent. <i>Environmental Toxicology</i> , 2010 , 25, 137-46	4.2	6
60	Phosphorus adsorption on water treatment residual solids 2009 , 58, 1-10		21
59	Use of an oxygen-releasing compound to aerate eutrophic reservoir water. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2009 , 44, 906-13	2.3	1
58	Effect of coagulation and flocculation conditions on water quality in an immersed ultrafiltration process. <i>Environmental Technology (United Kingdom)</i> , 2009 , 30, 927-38	2.6	14
57	Oxygen release compound as a chemical treatment for nutrient rich estuary sediments and water. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2009 , 44, 707-13	2.3	9

56	Arsenic removal from groundwater through iron oxyhydroxide coated waste productsA paper submitted to the Journal of Environmental Engineering and Science.. <i>Canadian Journal of Civil Engineering</i> , 2009 , 36, 881-888	1.3	13
55	Aluminum toxicity and ecological risk assessment of dried alum residual into surface water disposalA paper submitted to the Journal of Environmental Engineering and Science.. <i>Canadian Journal of Civil Engineering</i> , 2009 , 36, 127-136	1.3	18
54	Quantifying the spatial and temporal variation of ground-level ozone in the rural Annapolis Valley, Nova Scotia, Canada using nitrite-impregnated passive samplers. <i>Journal of the Air and Waste Management Association</i> , 2009 , 59, 310-20	2.4	18
53	Evaluation of a Diffused Air Aeration System for a Constructed Wetland Receiving Dairy Wastewater. <i>Transactions of the ASABE</i> , 2009 , 52, 111-119	0.9	5
52	Biostability and disinfectant by-product formation in drinking water blended with UF-treated filter backwash water. <i>Water Research</i> , 2008 , 42, 2135-45	12.5	22
51	Sequential UV- and chlorine-based disinfection to mitigate Escherichia coli in drinking water biofilms. <i>Water Research</i> , 2008 , 42, 2083-92	12.5	45
50	Manganese removal during bench-scale biofiltration. <i>Water Research</i> , 2008 , 42, 4733-42	12.5	78
49	Manganese removal and occurrence of manganese oxidizing bacteria in full-scale biofilters 2008 , 57, 351-359		45
48	Strategic pathways for the sustainable management of water treatment plant residuals. <i>Journal of Environmental Engineering and Science</i> , 2008 , 7, 45-52	0.8	9
47	Effect of ClO ₂ Pretreatment on Subsequent Water Treatment Processes. <i>Journal of Environmental Engineering, ASCE</i> , 2008 , 134, 478-485	2	9
46	Loss of chlorine, chloramine or chlorine dioxide concentration following exposure to UV light 2008 , 57, 127-132		3
45	Disinfectant efficacy in distribution systems: a pilot-scale assessment 2008 , 57, 507-518		12
44	Chemical disinfection preceding UV treatment: An assessment of microbial regrowth in a model distribution system 2008 , 57, 115-125		
43	Synergistic Benefits Between Ultraviolet Light and Chlorine-Based Disinfectants for the Inactivation of Escherichia coli. <i>Water Quality Research Journal of Canada</i> , 2008 , 43, 63-68	1.7	3
42	Alum residuals as a low technology for phosphorus removal from aquaculture processing water. <i>Aquacultural Engineering</i> , 2007 , 36, 233-238	3	33
41	Phosphorus treatment of secondary municipal effluent using oven-dried alum residual. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2007 , 42, 1685-91	2.3	11
40	Phosphorus adsorption and oven dried alum residual solids in fixed bed column experiments. <i>Journal of Environmental Engineering and Science</i> , 2007 , 6, 623-628	0.8	7
39	Phosphorus adsorption by naturally-occurring materials and industrial by-products. <i>Journal of Environmental Engineering and Science</i> , 2007 , 6, 157-164	0.8	39

38	Aluminium migration through a geosynthetic clay liner. <i>Geosynthetics International</i> , 2007 , 14, 201-210	3.3	20
37	Impact of Secondary Disinfectants on Copper Corrosion under Stagnation Conditions. <i>Journal of Environmental Engineering, ASCE</i> , 2007 , 133, 180-185	2	9
36	Impact of UV and secondary disinfection on microbial control in a model distribution system. <i>Journal of Environmental Engineering and Science</i> , 2007 , 6, 147-155	0.8	16
35	A field study evaluation for mitigating biofouling with chlorine dioxide or chlorine integrated with UV disinfection. <i>Water Research</i> , 2007 , 41, 1939-48	12.5	45
34	Blending membrane treated WTP waste residuals with finished water: impacts to water quality and biofilm formation 2006 , 55, 321-334		8
33	Factors affecting recirculating biofilters (RBFs) for treating municipal wastewater. <i>Journal of Environmental Engineering and Science</i> , 2006 , 5, 349-357	0.8	8
32	Impact of filter media on the performance of full-scale recirculating biofilters for treating multi-residential wastewater. <i>Water Research</i> , 2006 , 40, 1474-80	12.5	28
31	Changes in microbiological quality in model distribution systems after switching from chlorine or chloramines to chlorine dioxide 2006 , 55, 301-311		4
30	Disinfectant efficacy of chlorite and chlorine dioxide in drinking water biofilms. <i>Water Research</i> , 2005 , 39, 1809-17	12.5	97
29	Indirect integrity testing on a pilot-scale UF membrane 2005 , 54, 105-114		7
28	Impact of secondary disinfection on corrosion in a model water distribution system 2004 , 53, 441-452		19
27	Comparative Analysis of Chlorine Dioxide, Free Chlorine and Chloramines on Bacterial Water Quality in Model Distribution Systems. <i>Journal of Environmental Engineering, ASCE</i> , 2004 , 130, 1269-1279 ²		40
26	Comparison of process options for treatment of water treatment residual streams. <i>Journal of Environmental Engineering and Science</i> , 2004 , 3, 477-484	0.8	27
25	Understanding the distribution system as a bioreactor: a framework for managing heterotrophic plate count levels. <i>International Journal of Food Microbiology</i> , 2004 , 92, 347-53	5.8	14
24	Optimizing settling conditions for treatment of liquid hog manure. <i>Environmental Technology (United Kingdom)</i> , 2004 , 25, 957-65	2.6	3
23	Impact of seasonal variation on treatment of swine wastewater. <i>Environmental Technology (United Kingdom)</i> , 2004 , 25, 775-81	2.6	10
22	Treatment of drinking water residuals: comparing sedimentation and dissolved air flotation performance with optimal cation ratios. <i>Water Research</i> , 2004 , 38, 1173-82	12.5	63
21	A framework for the implementation and design of pilot-scale distribution systems 2003 , 52, 501-519		16

20	Impact of ozonation on water quality in marine recirculation systems. <i>Aquacultural Engineering</i> , 2003 , 29, 125-137	3	88
19	Examination of plant performance and filter ripening with particle counters at full-scale water treatment plants. <i>Environmental Technology (United Kingdom)</i> , 2003 , 24, 1-9	2.6	9
18	Hydraulic Calibration and Fluence Determination of Model Ultraviolet Disinfection System. <i>Journal of Environmental Engineering, ASCE</i> , 2002 , 128, 1046-1055	2	4
17	Comparing crushed recycled glass to silica sand for dual media filtration. <i>Journal of Environmental Engineering and Science</i> , 2002 , 1, 349-358	0.8	24
16	Implementation of chlorine dioxide disinfection: Effects of the treatment change on drinking water quality in a full-scale distribution system. <i>Journal of Environmental Engineering and Science</i> , 2002 , 1, 323-330	0.8	30
15	Corrosion control strategies for the Halifax regional distribution system. <i>Canadian Journal of Civil Engineering</i> , 2001 , 28, 305-313	1.3	10
14	Removal of easily biodegradable organic compounds by drinking water biofilms: analysis of kinetics and mass transfer. <i>Water Research</i> , 2001 , 35, 2554-64	12.5	22
13	Evaluation of Particle Removal at Water Treatment Plants in Nova Scotia. <i>Water Quality Research Journal of Canada</i> , 2001 , 36, 105-119	1.7	10
12	Effect of easily biodegradable organic compounds on bacterial growth in a bench-scale drinking water distribution system. <i>Canadian Journal of Civil Engineering</i> , 2000 , 27, 412-420	1.3	9
11	An efficient biofilm removal method for bacterial cells exposed to drinking water. <i>Journal of Microbiological Methods</i> , 1999 , 34, 203-214	2.8	64
10	Modeling enhanced coagulation to improve ozone disinfection. <i>Journal - American Water Works Association</i> , 1999 , 91, 59-73	0.5	7
9	Angioimmunoblastic lymphadenopathy with dysproteinemia: emphasis on pathogenesis and treatment. <i>Acta Haematologica</i> , 1998 , 99, 57-64	2.7	45
8	Recurrent warfarin-induced skin necrosis in kindreds with protein S deficiency. <i>Pathophysiology of Haemostasis and Thrombosis: International Journal on Haemostasis and Thrombosis Research</i> , 1998 , 28, 25-30		7
7	Carboxylic acids: formation and removal in full-scale plants. <i>Journal - American Water Works Association</i> , 1997 , 89, 88-97	0.5	46
6	Operational Constraints of Detecting SARS-CoV-2 on Passive Samplers using Electronegative Filters: A Kinetic and Equilibrium Analysis. <i>ACS ES&T Water</i> ,		3
5	Effectiveness of Sodium Silicates for Lead Corrosion Control: A Critical Review of Current Data. <i>Environmental Science and Technology Letters</i> ,	11	0
4	Pandemic danger to the deep: the risk of marine mammals contracting SARS-CoV-2 from wastewater		2
3	Development and optimization of a new method for direct extraction of SARS-CoV-2 RNA from municipal wastewater using magnetic beads		3

2	Development of a rapid pre-concentration protocol and a magnetic beads-based RNA extraction method for SARS-CoV-2 detection in raw municipal wastewater. <i>Environmental Science: Water Research and Technology</i> ,	4.2	2
1	Colloidal lead in drinking water: Formation, occurrence, and characterization. <i>Critical Reviews in Environmental Science and Technology</i> ,1-27	11.1	0