Graham A Gagnon

List of Publications by Year
in descending order

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203 papers	4,145 citations	101496 36 h-index	182361 51 g-index
211 all docs	211 docs citations	211 times ranked	4195 citing authors

#	Article	IF	Citations
1	Comparison of advanced oxidation processes for the removal of natural organic matter. Water Research, 2011, 45, 3263-3269.	5.3	178
2	Disinfectant efficacy of chlorite and chlorine dioxide in drinking water biofilms. Water Research, 2005, 39, 1809-1817.	5.3	114
3	Ozone Application in Recirculating Aquaculture System: An Overview. Ozone: Science and Engineering, 2011, 33, 345-367.	1.4	108
4	Impact of ozonation on water quality in marine recirculation systems. Aquacultural Engineering, 2003, 29, 125-137.	1.4	98
5	Adsorption of dissolved organic matter (DOM) onto the synthetic iron pipe corrosion scales (goethite and magnetite): Effect of pH. Chemical Engineering Journal, 2013, 234, 149-157.	6.6	93
6	Manganese removal during bench-scale biofiltration. Water Research, 2008, 42, 4733-4742.	5.3	88
7	An efficient biofilm removal method for bacterial cells exposed to drinking water. Journal of Microbiological Methods, 1999, 34, 203-214.	0.7	76
8	Treatment of drinking water residuals: comparing sedimentation and dissolved air flotation performance with optimal cation ratios. Water Research, 2004, 38, 1173-1182.	5.3	69
9	Understanding removal of phosphate or arsenate onto water treatment residual solids. Journal of Hazardous Materials, 2011, 186, 1916-1923.	6.5	67
10	Adsorption of arsenic from a Nova Scotia groundwater onto water treatment residual solids. Water Research, 2010, 44, 5740-5749.	5.3	59
11	Manganese removal and occurrence of manganese oxidizing bacteria in full-scale biofilters. Journal of Water Supply: Research and Technology - AQUA, 2008, 57, 351-359.	0.6	57
12	Bench-scale evaluation of drinking water treatment parameters on iron particles and water quality. Water Research, 2014, 48, 137-147.	5.3	56
13	Sequential UV- and chlorine-based disinfection to mitigate Escherichia coli in drinking water biofilms. Water Research, 2008, 42, 2083-2092.	5.3	55
14	A field study evaluation for mitigating biofouling with chlorine dioxide or chlorine integrated with UV disinfection. Water Research, 2007, 41, 1939-1948.	5.3	54
15	Carboxylic acids: formation and removal in fullâ€scale plants. Journal - American Water Works Association, 1997, 89, 88-97.	0.2	53
16	Microalgae growth and phosphorus uptake in wastewater under simulated cold region conditions. Ecological Engineering, 2016, 95, 588-593.	1.6	53
17	TiN, ZrN, and HfN Nanoparticles on Nanoporous Aluminum Oxide Membranes for Solar-Driven Water Evaporation and Desalination. ACS Applied Nano Materials, 2020, 3, 2787-2794.	2.4	53
18	Inactivation of biofilm-bound Pseudomonas aeruginosa bacteria using UVC light emitting diodes (UVC) Tj ETQq0 0 0 rgBT /Overlock 10 T	5.3	52

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19	Pandemic danger to the deep: The risk of marine mammals contracting SARS-CoV-2 from wastewater. Science of the Total Environment, 2021, 760, 143346.	3.9	51
20	Angioimmunoblastic Lymphadenopathy with Dysproteinemia: Emphasis on Pathogenesis and Treatment. Acta Haematologica, 1998, 99, 57-64.	0.7	50
21	Comparative Analysis of Chlorine Dioxide, Free Chlorine and Chloramines on Bacterial Water Quality in Model Distribution Systems. Journal of Environmental Engineering, ASCE, 2004, 130, 1269-1279.	0.7	48
22	Unintended consequences of regulating drinking water in rural Canadian communities: Examples from Atlantic Canada. Health and Place, 2011, 17, 1030-1037.	1.5	45
23	Evaluating the Effects of Full and Partial Lead Service Line Replacement on Lead Levels in Drinking Water. Environmental Science & Technology, 2016, 50, 7389-7396.	4.6	45
24	Evaluation of exposure to lead from drinking water in large buildings. Water Research, 2016, 99, 46-55.	5.3	45
25	The human dimension of water safety plans: a critical review of literature and information gaps. Environmental Reviews, 2015, 23, 24-29.	2.1	44
26	Phosphorus adsorption by naturally-occurring materials and industrial by-products. Journal of Environmental Engineering and Science, 2007, 6, 157-164.	0.3	43
27	Identification of reaction products from reactions of free chlorine with the lipid-regulator gemfibrozil. Water Research, 2011, 45, 1414-1422.	5.3	42
28	Identifying the sources driving observed PM_{2.5} temporal variability over Halifax, Nova Scotia, during BORTAS-B. Atmospheric Chemistry and Physics, 2013, 13, 7199-7213.	1.9	42
29	Characterization and removal of natural organic matter by an integrated membrane system. Desalination, 2012, 303, 12-16.	4.0	41
30	Growth and structure of flocs following electrocoagulation. Separation and Purification Technology, 2016, 163, 162-168.	3.9	41
31	Impacts of hydraulic fracturing on water quality: a review of literature, regulatory frameworks and an analysis of information gaps. Environmental Reviews, 2016, 24, 122-131.	2.1	41
32	Lake Recovery Through Reduced Sulfate Deposition: A New Paradigm for Drinking Water Treatment. Environmental Science & Technology, 2017, 51, 1414-1422.	4.6	40
33	Performance of municipal waste stabilization ponds in the Canadian Arctic. Ecological Engineering, 2015, 83, 413-421.	1.6	39
34	Manganese Increases Lead Release to Drinking Water. Environmental Science & Technology, 2019, 53, 4803-4812.	4.6	39
35	Alum residuals as a low technology for phosphorus removal from aquaculture processing water. Aquacultural Engineering, 2007, 36, 233-238.	1.4	37
36	Understanding the Role of Particulate Iron in Lead Release to Drinking Water. Environmental Science & Technology, 2016, 50, 9053-9060.	4.6	37

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37	Implementation of chlorine dioxide disinfection: Effects of the treatment change on drinking water quality in a full-scale distribution system. Journal of Environmental Engineering and Science, 2002, 1, 323-330.	0.3	36
38	Comparing the growth and structure of flocs from electrocoagulation and chemical coagulation. Journal of Water Process Engineering, 2016, 10, 20-29.	2.6	36
39	Direct Biofiltration for Manganese Removal from Surface Water. Journal of Environmental Engineering, ASCE, 2014, 140, .	0.7	35
40	Hydraulic fracturingÂâ€“ Integrating public participation with an independent review of the risks and benefits. Energy Policy, 2015, 85, 299-308.	4.2	35
41	Impact of filter media on the performance of full-scale recirculating biofilters for treating multi-residential wastewater. Water Research, 2006, 40, 1474-1480.	5.3	34
42	Recent Technologies for Ballast Water Treatment. Ozone: Science and Engineering, 2012, 34, 174-195.	1.4	34
43	Role of the water main in lead service line replacement: A utility case study. Journal - American Water Works Association, 2013, 105, E423.	0.2	34
44	Drinking water safety plans: barriers and bridges for small systems in Alberta, Canada. Water Policy, 2014, 16, 1140-1154.	0.7	33
45	Fullâ€Scale Prechlorine Removal: Impact on Filter Performance and Water Quality. Journal - American Water Works Association, 2015, 107, E638.	0.2	32
46	Use of surface enhanced Raman spectroscopy for studying fouling on nanofiltration membrane. Separation and Purification Technology, 2012, 96, 7-11.	3.9	31
47	A new analytical approach to understanding nanoscale lead-iron interactions in drinking water distribution systems. Journal of Hazardous Materials, 2016, 311, 151-157.	6.5	31
48	Comparison of process options for treatment of water treatment residual streams. Journal of Environmental Engineering and Science, 2004, 3, 477-484.	0.3	30
49	Galvanic Corrosion of Lead by Iron (Oxyhydr)Oxides: Potential Impacts on Drinking Water Quality. Environmental Science & Technology, 2017, 51, 6812-6820.	4.6	30
50	Effects of ortho- and polyphosphates on lead speciation in drinking water. Environmental Science: Water Research and Technology, 2018, 4, 505-512.	1.2	30
51	A novel passive sampling approach for SARS-CoV-2 in wastewater in a Canadian province with low prevalence of COVID-19. Environmental Science: Water Research and Technology, 2021, 7, 1576-1586.	1.2	30
52	Removal of Easily Biodegradable Organic Compounds by Drinking Water Biofilms: Analysis of Kinetics and Mass Transfer. Water Research, 2001, 35, 2554-2564.	5.3	29
53	Review of the factors relevant to the design and operation of an electrocoagulation system for wastewater treatment. Environmental Reviews, 2014, 22, 421-429.	2.1	29
54	Phosphorus adsorption on water treatment residual solids. Journal of Water Supply: Research and Technology - AQUA, 2009, 58, 1-10.	0.6	28

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55	Comparing crushed recycled glass to silica sand for dual media filtration. Journal of Environmental Engineering and Science, 2002, 1, 349-358.	0.3	27
56	Advanced oxidation processes for treatment of 17Î²-Estradiol and its metabolites in aquaculture wastewater. Aquacultural Engineering, 2018, 83, 40-46.	1.4	27
57	Role of iron and aluminum coagulant metal residuals and lead release from drinking water pipe materials. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2015, 50, 414-423.	0.9	26
58	Impact of secondary disinfection on corrosion in a model water distribution system. Journal of Water Supply: Research and Technology - AQUA, 2004, 53, 441-452.	0.6	25
59	Photocatalytic oxidation of DBP precursors using UV with suspended and fixed TiO2. Water Research, 2011, 45, 6173-6180.	5.3	24
60	Aluminium migration through a geosynthetic clay liner. Geosynthetics International, 2007, 14, 201-210.	1.5	23
61	Biostability and disinfectant by-product formation in drinking water blended with UF-treated filter backwash water. Water Research, 2008, 42, 2135-2145.	5.3	23
62	Aluminum toxicity and ecological risk assessment of dried alum residual into surface water disposalA paper submitted to the Journal of Environmental Engineering and Science.. Canadian Journal of Civil Engineering, 2009, 36, 127-136.	0.7	23
63	Assessment of Arctic Community Wastewater Impacts on Marine Benthic Invertebrates.. Environmental Science & Technology, 2015, 49, 760-766.	4.6	23
64	Prediction of disinfection by-product formation in drinking water via fluorescence spectroscopy. Environmental Science: Water Research and Technology, 2016, 2, 383-389.	1.2	23
65	Development and validation of an SPE-GC-MS/MS taste and odour method for analysis in surface water. International Journal of Environmental Analytical Chemistry, 2014, 94, 1302-1316.	1.8	21
66	Chemical and microbial characteristics of municipal drinking water supply systems in the Canadian Arctic. Environmental Science and Pollution Research, 2018, 25, 32926-32937.	2.7	21
67	A framework for the implementation and design of pilot-scale distribution systems. Journal of Water Supply: Research and Technology - AQUA, 2003, 52, 501-519.	0.6	20
68	Quantifying the Spatial and Temporal Variation of Ground-Level Ozone in the Rural Annapolis Valley, Nova Scotia, Canada Using Nitrite-Impregnated Passive Samplers. Journal of the Air and Waste Management Association, 2009, 59, 310-320.	0.9	20
69	Assessment of hydraulic flocculation processes using CFD. Journal - American Water Works Association, 2011, 103, 66-80.	0.2	20
70	Effect of coagulation and flocculation conditions on water quality in an immersed ultrafiltration process. Environmental Technology (United Kingdom), 2009, 30, 927-938.	1.2	19
71	Lead Levels at the Tap and Consumer Exposure from Legacy and Recent Lead Service Line Replacements in Six Utilities. Environmental Science & Technology, 2018, 52, 9451-9459.	4.6	19
72	Impact of sodium silicate on lead release and colloid size distributions in drinking water. Water Research, 2021, 190, 116709.	5.3	19

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73	Understanding the distribution system as a bioreactor: a framework for managing heterotrophic plate count levels. International Journal of Food Microbiology, 2004, 92, 347-353.	2.1	18
74	The distribution and transport of lead over two centuries as recorded by lake sediments from northeastern North America. Science of the Total Environment, 2020, 737, 140212.	3.9	18
75	Impact of UV and secondary disinfection on microbial control in a model distribution system. Journal of Environmental Engineering and Science, 2007, 6, 147-155.	0.3	17
76	Arsenic removal from groundwater through iron oxyhydroxide coated waste productsA paper submitted to the Journal of Environmental Engineering and Science.. Canadian Journal of Civil Engineering, 2009, 36, 881-888.	0.7	17
77	Characterizing colloidal metals in drinking water by field flow fractionation. Environmental Science: Water Research and Technology, 2019, 5, 2202-2209.	1.2	17
78	Large global variations in measured airborne metal concentrations driven by anthropogenic sources. Scientific Reports, 2020, 10, 21817.	1.6	17
79	Pilot-scale comparison of sodium silicates, orthophosphate and pH adjustment to reduce lead release from lead service lines. Water Research, 2021, 195, 116955.	5.3	17
80	Recurrent Warfarin-Induced Skin Necrosis in Kindreds with Protein S Deficiency. Pathophysiology of Haemostasis and Thrombosis: International Journal on Haemostasis and Thrombosis Research, 1998, 28, 25-30.	0.5	16
81	Impact of Seasonal Variation on Treatment of Swine Wastewater. Environmental Technology (United) Tj ETQq1 1 0.784314 rgBT /Ove	1.2	16
82	Disinfectant efficacy in distribution systems: a pilot-scale assessment. Journal of Water Supply: Research and Technology - AQUA, 2008, 57, 507-518.	0.6	16
83	Chlorination Kinetics of 11-Nor-9-carboxy-Î”⁹-tetrahydrocannabinol: Effects of pH and Humic Acid. Environmental Science & Technology, 2017, 51, 10711-10717.	4.6	16
84	Understanding the impacts of sodium silicate on water quality and iron oxide particles. Environmental Science: Water Research and Technology, 2019, 5, 1360-1370.	1.2	16
85	Phosphorus treatment of secondary municipal effluent using oven-dried alum residual. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2007, 42, 1685-1691.	0.9	15
86	Pairing a pilot plant to a direct filtration water treatment plant. Canadian Journal of Civil Engineering, 2012, 39, 689-700.	0.7	15
87	Physicochemical characterization of Atlantic Canadian seafood processing plant effluent. Marine Pollution Bulletin, 2017, 116, 137-142.	2.3	15
88	Operational Constraints of Detecting SARS-CoV-2 on Passive Samplers using Electronegative Filters: A Kinetic and Equilibrium Analysis. ACS ES&T Water, 2022, 2, 1910-1920.	2.3	15
89	Comparison of sodium silicate and phosphate for controlling lead release from copper pipe rigs. Canadian Journal of Civil Engineering, 2015, 42, 953-959.	0.7	14
90	Development of a rapid pre-concentration protocol and a magnetic beads-based RNA extraction method for SARS-CoV-2 detection in raw municipal wastewater. Environmental Science: Water Research and Technology, 2021, 8, 47-61.	1.2	14

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91	Corrosion control strategies for the Halifax regional distribution system. Canadian Journal of Civil Engineering, 2001, 28, 305-313.	0.7	13
92	Impact of Secondary Disinfectants on Copper Corrosion under Stagnation Conditions. Journal of Environmental Engineering, ASCE, 2007, 133, 180-185.	0.7	13
93	Comparison of Chlorine and Chloramines on Lead Release from Copper Pipe Rigs. Journal of Environmental Engineering, ASCE, 2013, 139, 1099-1107.	0.7	13
94	Removal of acidic pharmaceuticals within a nitrifying recirculating biofilter. Journal of Hazardous Materials, 2014, 273, 85-93.	6.5	13
95	Water compliance challenges: how do Canadian small water systems respond?. Water Policy, 2015, 17, 349-369.	0.7	13
96	Fluorescence Spectra Predict Microcystin-LR and Disinfection Byproduct Formation Potential in Lake Water. Environmental Science & Technology, 2019, 53, 586-594.	4.6	13
97	Source Water Characteristics and Building-specific Factors Influence Corrosion and Point of Use Water Quality in a Decentralized Arctic Drinking Water System. Environmental Science & Technology, 2020, 54, 2192-2201.	4.6	13
98	Chemical recovery and browning of Nova Scotia surface waters in response to declining acid deposition. Environmental Sciences: Processes and Impacts, 2021, 23, 446-456.	1.7	13
99	Strategic pathways for the sustainable management of water treatment plant residuals. Journal of Environmental Engineering and Science, 2008, 7, 45-52.	0.3	12
100	Application of photoelectrochemical chemical oxygen demand to drinking water. Journal - American Water Works Association, 2014, 106, E383.	0.2	12
101	Impact of Zinc Orthophosphate on Simulated Drinking Water Biofilms Influenced by Lead and Copper. Journal of Environmental Engineering, ASCE, 2016, 142, 04015067.	0.7	12
102	Influence of the Mixing Energy Consumption Affecting Coagulation and Floc Aggregation. Environmental Science & Technology, 2017, 51, 3480-3489.	4.6	12
103	Relative importance of organic- and iron-based colloids in six Nova Scotian lakes. Npj Clean Water, 2021, 4, .	3.1	12
104	Biological and physico-chemical mechanisms accelerating the acclimation of Mn-removing biofilters. Water Research, 2021, 207, 117793.	5.3	12
105	Effect of easily biodegradable organic compounds on bacterial growth in a bench-scale drinking water distribution system. Canadian Journal of Civil Engineering, 2000, 27, 412-420.	0.7	11
106	Evaluation of Particle Removal at Water Treatment Plants in Nova Scotia. Water Quality Research Journal of Canada, 2001, 36, 105-119.	1.2	11
107	Examination of plant performance and filter ripening with particle counters at fullâ€scale water treatment plants. Environmental Technology (United Kingdom), 2003, 24, 1-9.	1.2	11
108	Combined use of resin fractionation and high performance size exclusion chromatography for characterization of natural organic matter. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2014, 49, 1615-1622.	0.9	11

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109	Biomass Evolution in Fullâ€Scale Anthraciteâ€Sand Drinking Water Filters Following Conversion to Biofiltration. Journal - American Water Works Association, 2016, 108, E615.	0.2	11
110	Environmental and operational factors affecting carbon removal in model arctic waste stabilization ponds. Ecological Engineering, 2017, 98, 91-97.	1.6	11
111	Indirect integrity testing on a pilot-scale UF membrane. Journal of Water Supply: Research and Technology - AQUA, 2005, 54, 105-114.	0.6	10
112	A method for the detection of bromate in brackish water. Aquacultural Engineering, 2011, 45, 9-12.	1.4	10
113	The rate and efficiency of iron generation in an electrocoagulation system. Environmental Technology (United Kingdom), 2015, 36, 2419-2427.	1.2	10
114	Potential for manganese biofouling in water transmission lines using model reactors. Environmental Science: Water Research and Technology, 2018, 4, 761-772.	1.2	10
115	Seawater ozonation: effects of seawater parameters on oxidant loading rates, residual toxicity, and total residual oxidants/by-products reduction during storage time. Ozone: Science and Engineering, 2018, 40, 399-414.	1.4	10
116	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. Environmental Science: Water Research and Technology, 2020, 6, 2089-2102.	1.2	10
117	Controlling lead release due to uniform and galvanic corrosion â€" An evaluation of silicate-based inhibitors. Journal of Hazardous Materials, 2021, 407, 124707.	6.5	10
118	Effectiveness of Sodium Silicates for Lead Corrosion Control: A Critical Review of Current Data. Environmental Science and Technology Letters, 2021, 8, 932-939.	3.9	10
119	Factors affecting recirculating biofilters (RBFs) for treating municipal wastewater. Journal of Environmental Engineering and Science, 2006, 5, 349-357.	0.3	9
120	Effect of ClO2 Pretreatment on Subsequent Water Treatment Processes. Journal of Environmental Engineering, ASCE, 2008, 134, 478-485.	0.7	9
121	Synergistic Benefits Between Ultraviolt Light and Chlorine-Based Disinfectants for the Inactivation of Escherichia coli. Water Quality Research Journal of Canada, 2008, 43, 63-68.	1.2	9
122	Oxygen release compound as a chemical treatment for nutrient rich estuary sediments and water. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2009, 44, 707-713.	0.9	9
123	Application of low-mixing energy input for the coagulation process. Water Research, 2015, 84, 333-341.	5.3	9
124	A critical review of the occurrence, detection, and treatment of Î”⁹-tetrahydrocannabinol in aquatic environments. Environmental Reviews, 2017, 25, 255-268.	2.1	9
125	Water safety plans as a tool for drinking water regulatory frameworks in Arctic communities. Environmental Science and Pollution Research, 2018, 25, 32988-33000.	2.7	9
126	Using a geotextile with flocculated filter backwash water and its impact on aluminium concentrations. Geotextiles and Geomembranes, 2018, 46, 759-769.	2.3	9

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127	Anthropogenic activity in the Halifax region, Nova Scotia, Canada, as recorded by bulk geochemistry of lake sediments. Lake and Reservoir Management, 2018, 34, 334-348.	0.4	9
128	Evaluating the utility of elemental measurements obtained from factory-calibrated field-portable X-Ray fluorescence units for aquatic sediments. Environmental Pollution, 2019, 249, 45-53.	3.7	9
129	Validation of a QuEChERS method for extraction of estrogens from a complex water matrix and quantitation via high-performance liquid chromatography-mass spectrometry. Chemosphere, 2021, 263, 128315.	4.2	9
130	Detection of SARS-CoV-2 in wastewater in Halifax, Nova Scotia, Canada, using four RT-qPCR assays. Facets, 2021, 6, 959-965.	1.1	9
131	Comparing the Predictive Performance, Interpretability, and Accessibility of Machine Learning and Physically Based Models for Water Treatment. ACS ES&T Engineering, 2021, 1, 348-356.	3.7	9
132	Modeling enhanced coagulation to improve ozone disinfection. Journal - American Water Works Association, 1999, 91, 59-73.	0.2	8
133	Blending membrane treated WTP waste residuals with finished water: impacts to water quality and biofilm formation. Journal of Water Supply: Research and Technology - AQUA, 2006, 55, 321-334.	0.6	8
134	Phosphorus adsorption and oven dried alum residual solids in fixed bed column experiments. Journal of Environmental Engineering and Science, 2007, 6, 623-628.	0.3	8
135	Understanding the Impact of Extracellular Polymeric Substances on Lead Release in Drinking Water Systems. ACS Omega, 2018, 3, 14824-14832.	1.6	8
136	Microbiological water quality in a decentralized Arctic drinking water system. Environmental Science: Water Research and Technology, 2020, 6, 1855-1868.	1.2	8
137	Changes in microbiological quality in model distribution systems after switching from chlorine or chloramines to chlorine dioxide. Journal of Water Supply: Research and Technology - AQUA, 2006, 55, 301-311.	0.6	7
138	Toxicology evaluation of Atlantic Canadian seafood processing plant effluent. Environmental Toxicology, 2010, 25, 137-146.	2.1	7
139	Treatment Performance of Wastewater Stabilization Ponds in Canada's Far North. , 2012, , .		7
140	Bench-scale evaluation of ferrous iron oxidation kinetics in drinking water: Effect of corrosion control and dissolved organic matter. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2014, 49, 1-9.	0.9	7
141	In-line coagulation to reduce high-pressure membrane fouling in an integrated membrane system: a case study. Desalination and Water Treatment, 2015, 56, 1987-1998.	1.0	7
142	Water quality and filter performance of nutrient-, oxidant- and media-enhanced drinking water biofilters. Environmental Science: Water Research and Technology, 2017, 3, 520-533.	1.2	7
143	Assessing the impact of multiple ultraviolet disinfection cycles on N95 filtering facepiece respirator integrity. Scientific Reports, 2021, 11, 12279.	1.6	7
144	Colloidal lead in drinking water: Formation, occurrence, and characterization. Critical Reviews in Environmental Science and Technology, 2023, 53, 110-136.	6.6	7

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145	Hydraulic Calibration and Fluence Determination of Model Ultraviolet Disinfection System. Journal of Environmental Engineering, ASCE, 2002, 128, 1046-1055.	0.7	6
146	Evaluation of a Diffused Air Aeration System for a Constructed Wetland Receiving Dairy Wastewater. Transactions of the ASABE, 2009, 52, 111-119.	1.1	6
147	Characterizing phosphorus removal in passive waste stabilization ponds in Arctic communities. Arctic Science, 2016, 2, 1-14.	0.9	6
148	Assessing protozoan risks for surface drinking water supplies in Nova Scotia, Canada. Journal of Water and Health, 2016, 14, 155-166.	1.1	6
149	Modeling the fate of dietary 17B-estradiol and its metabolites in an American eel (Anguilla rostrata) recirculating aquaculture system. Aquacultural Engineering, 2019, 86, 101995.	1.4	6
150	Inorganic contaminants in Canadian First Nation community water systems. Journal of Water and Health, 2020, 18, 728-740.	1.1	6
151	Impact of sodium silicate on lead release from lead(<scp>ii</scp>) carbonate. Environmental Science: Water Research and Technology, 2021, 7, 599-609.	1.2	6
152	Monitoring the influence of wastewater effluent on a small drinking water system using EEM fluorescence spectroscopy coupled with a PARAFAC and PCA statistical approach. Environmental Sciences: Processes and Impacts, 2021, 23, 880-889.	1.7	6
153	Specificity of UV-C LED disinfection efficacy for three N95 respirators. Scientific Reports, 2021, 11, 15350.	1.6	6
154	Seasonal Lead Release into Drinking Water and the Effect of Aluminum. ACS ES&T Water, 2022, 2, 710-720.	2.3	6
155	Comparing the Formation of Bromate and Bromoform Due to Ozonation and UV-TiO2 Oxidation in Seawater. Journal of Advanced Oxidation Technologies, 2011, 14, .	0.5	5
156	Water Reclamation and Reuse. Water Environment Research, 2013, 85, 1308-1321.	1.3	5
157	Formation Kinetics of Gemfibrozil Chlorination Reaction Products: Analysis and Application. Water Environment Research, 2014, 86, 654-662.	1.3	5
158	Photo-oxidation of 11-nor-9-carboxy-Î”9-tetrahydrocannabinol using medium-pressure UV and UV/H2O2â€“ a kinetic study. Environmental Science: Water Research and Technology, 2018, 4, 1262-1271.	1.2	5
159	Exploring the detection of microcystin-LR using polar organic chemical integrative samplers (POCIS). Environmental Sciences: Processes and Impacts, 2019, 21, 659-666.	1.7	5
160	Evaluating the performance of calculated elemental measures in sediment archives. Journal of Paleolimnology, 2020, 64, 155-166.	0.8	5
161	Predicting manganese and iron precipitation in drinking water biofilters. AWWA Water Science, 2021, 3, .	1.0	5
162	Preparing for Success â€“ Drinking Water Safety Plans and Lessons Learned from Alberta: Policy Considerations Contextualized for Small Systems. Global Issues in Water Policy, 2017, , 321-335.	0.1	5

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163	Loss of chlorine, chloramine or chlorine dioxide concentration following exposure to UV light. Journal of Water Supply: Research and Technology - AQUA, 2008, 57, 127-132.	0.6	4
164	Molecular techniques and data integration: investigating distribution system coliform events. Journal of Water Supply: Research and Technology - AQUA, 2010, 59, 298-311.	0.6	4
165	Determination of conventional velocity gradient (G) using CFD technique for a pilot-scale flocculation system. Journal of Water Supply: Research and Technology - AQUA, 2010, 59, 459-470.	0.6	4
166	Co-development of a risk assessment tool for use in First Nations water supply systems: A key step to water safety plan implementation. International Journal of Hygiene and Environmental Health, 2022, 240, 113916.	2.1	4
167	Optimizing Settling Conditions For Treatment Of Liquid Hog Manure. Environmental Technology (United Kingdom), 2004, 25, 957-965.	1.2	3
168	Integrating bench- and full-scale nanofiltration testing for two surface waters. Journal of Water Supply: Research and Technology - AQUA, 2012, 61, 291-305.	0.6	3
169	Bench scale evaluation of Fe(II) ions on haloacetic acids (HAAs) formation in synthetic water. Journal of Water Supply: Research and Technology - AQUA, 2013, 62, 155-168.	0.6	3
170	Evaluation of treatment options for Atlantic Canadian seafood processing plant effluent. Journal of Environmental Engineering and Science, 2013, 8, 448-460.	0.3	3
171	Water Reclamation and Reuse. Water Environment Research, 2014, 86, 1297-1313.	1.3	3
172	Characterization, fate and transport of floc aggregates in full-scale flocculation tanks. Environmental Science: Water Research and Technology, 2016, 2, 223-232.	1.2	3
173	Lead Service Lines: Management and Public Perception in 21 Utilities. Journal - American Water Works Association, 2018, 110, E38.	0.2	3
174	The rapidly growing role of UV-AOPs in the production of safe drinking water. Environmental Science: Water Research and Technology, 2018, 4, 1211-1212.	1.2	3
175	Evaluating the use and intent of drinking water advisories in Atlantic Canada. Water Policy, 2020, 22, 908-924.	0.7	3
176	Potential regulatory implications of Health Canada's new lead guideline. AWWA Water Science, 2020, 2, e1182.	1.0	3
177	Assessing strategies to improve the efficacy and efficiency of direct filtration plants facing changes in source water quality from anthropogenic and climatic pressures. Journal of Water Process Engineering, 2021, 39, 101689.	2.6	3
178	Role of natural organic matter and hardness on lead release from galvanic corrosion. Environmental Science: Water Research and Technology, 2022, 8, 1687-1699.	1.2	3
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