

# Mark R Servos

## 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.

172  
papers

9,637  
citations

46  
h-index

94  
g-index

183  
ext. papers

10,613  
ext. citations

5.6  
avg, IF

6.09  
L-index

#	Paper	IF	Citations
172	Temperature modulates the impacts of wastewater exposure on the physiology and behaviour of fathead minnow.. <i>Chemosphere</i> , <b>2022</b> , 133738	8.4	
171	Impacts on antioxidative enzymes and transcripts in darter ( <i>Etheostoma</i> spp.) brains in the Grand River exposed to wastewater effluent. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2022</b> , 258, 109381	3.2	0
170	Endocrine Disruptor Impacts on Fish From Chile: The Influence of Wastewaters. <i>Frontiers in Endocrinology</i> , <b>2021</b> , 12, 611281	5.7	6
169	Effect of Background Water Matrices on Pharmaceutical and Personal Care Product Removal by UV-LED/TiO <sub>2</sub> . <i>Catalysts</i> , <b>2021</b> , 11, 576	4	2
168	A 30-Year Study of Impacts, Recovery, and Development of Critical Effect Sizes for Endocrine Disruption in White Sucker ( <i>Catostomus commersoni</i> ) Exposed to Bleached-Kraft Pulp Mill Effluent at Jackfish Bay, Ontario, Canada. <i>Frontiers in Endocrinology</i> , <b>2021</b> , 12, 664157	5.7	3
167	Catching a resurgence: Increase in SARS-CoV-2 viral RNA identified in wastewater 48 h before COVID-19 clinical tests and 96 h before hospitalizations. <i>Science of the Total Environment</i> , <b>2021</b> , 770, 145319	10.2	59
166	Municipal wastewater as an ecological trap: Effects on fish communities across seasons. <i>Science of the Total Environment</i> , <b>2021</b> , 759, 143430	10.2	13
165	Photodecomposition of pharmaceuticals and personal care products using P25 modified with Ag nanoparticles in the presence of natural organic matter. <i>Science of the Total Environment</i> , <b>2021</b> , 752, 142000	10.2	11
164	Quantitative analysis of SARS-CoV-2 RNA from wastewater solids in communities with low COVID-19 incidence and prevalence. <i>Water Research</i> , <b>2021</b> , 188, 116560	12.5	136
163	Degradation of natural organic matter using Ag-P25 photocatalyst under continuous and periodic irradiation of 405 and 365 nm UV-LEDs. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 104844	6.8	7
162	Rainbow darter ( <i>Etheostoma caeruleum</i> ) from a river impacted by municipal wastewater effluents have altered gut content microbiomes. <i>Science of the Total Environment</i> , <b>2021</b> , 751, 141724	10.2	7
161	Synergistic Multimodal Cancer Therapy Using Glucose Oxidase@CuS Nanocomposites. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 41464-41472	9.5	6
160	Evaluating the Sampling Design of a Long-Term Community-Based Estuary Monitoring Program. <i>Fishes</i> , <b>2021</b> , 6, 27	2.5	0
159	Exposure to wastewater effluent disrupts hypoxia responses in killifish ( <i>Fundulus heteroclitus</i> ). <i>Environmental Pollution</i> , <b>2021</b> , 284, 117373	9.3	2
158	Comparison of approaches to quantify SARS-CoV-2 in wastewater using RT-qPCR: Results and implications from a collaborative inter-laboratory study in Canada. <i>Journal of Environmental Sciences</i> , <b>2021</b> , 107, 218-229	6.4	44
157	Near real-time determination of B.1.1.7 in proportion to total SARS-CoV-2 viral load in wastewater using an allele-specific primer extension PCR strategy. <i>Water Research</i> , <b>2021</b> , 205, 117681	12.5	15
156	Impacts on Metabolism and Gill Physiology of Darter Species ( <i>Etheostoma</i> spp.) That Are Attributed to Wastewater Effluent in the Grand River. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 8364	2.6	2

155	Development of a thin-film solid-phase microextraction (TF-SPME) method coupled to liquid chromatography and tandem mass spectrometry for high-throughput determination of steroid hormones in white sucker fish plasma. <i>Analytical and Bioanalytical Chemistry</i> , <b>2020</b> , 412, 4183-4194	4.4	5
154	Metabolic profile of fish muscle tissue changes with sampling method, storage strategy and time. <i>Analytica Chimica Acta</i> , <b>2020</b> , 1136, 42-50	6.6	3
153	Improved biodegradation of pharmaceuticals after mild photocatalytic pretreatment. <i>Water and Environment Journal</i> , <b>2020</b> , 34, 704-714	1.7	1
152	A simple and cost-effective approach to fabricate tunable length polymeric microneedle patches for controllable transdermal drug delivery.. <i>RSC Advances</i> , <b>2020</b> , 10, 15541-15546	3.7	10
151	High Throughput Sequencing of MicroRNA in Rainbow Trout Plasma, Mucus, and Surrounding Water Following Acute Stress. <i>Frontiers in Physiology</i> , <b>2020</b> , 11, 588313	4.6	9
150	Photocatalytic degradation using TiO <sub>2</sub> -graphene nanocomposite under UV-LED illumination: Optimization using response surface methodology. <i>Journal of Environmental Chemical Engineering</i> , <b>2019</b> , 7, 103366	6.8	12
149	In vivo solid-phase microextraction sampling combined with metabolomics and toxicological studies for the non-lethal monitoring of the exposome in fish tissue. <i>Environmental Pollution</i> , <b>2019</b> , 249, 109-115	9.3	26
148	Gold nanoparticles as dehydrogenase mimicking nanozymes for estradiol degradation. <i>Chinese Chemical Letters</i> , <b>2019</b> , 30, 1655-1658	8.1	24
147	Photocatalytic Degradation of Microcystins by TiO <sub>2</sub> Using UV-LED Controlled Periodic Illumination. <i>Catalysts</i> , <b>2019</b> , 9, 181	4	17
146	Multiple Stressors in the Environment: The Effects of Exposure to an Antidepressant (Venlafaxine) and Increased Temperature on Zebrafish Metabolism. <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 1431	4.6	15
145	Regenerative NanoOctopus Based on Multivalent-Aptamer-Functionalized Magnetic Microparticles for Effective Cell Capture in Whole Blood. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 4017-4022	7.8	31
144	Use of prospective and retrospective risk assessment methods that simplify chemical mixtures associated with treated domestic wastewater discharges. <i>Environmental Toxicology and Chemistry</i> , <b>2018</b> , 37, 690-702	3.8	20
143	Multi-year prediction of estrogenicity in municipal wastewater effluents. <i>Science of the Total Environment</i> , <b>2018</b> , 610-611, 1103-1112	10.2	16
142	Modeling the exposure of wild fish to endocrine active chemicals: Potential linkages of total estrogenicity to field-observed intersex. <i>Water Research</i> , <b>2018</b> , 139, 187-197	12.5	22
141	Metabolome Profiling of Fish Muscle Tissue Exposed to Benzo[a]pyrene Using in Vivo Solid-Phase Microextraction. <i>Environmental Science and Technology Letters</i> , <b>2018</b> , 5, 431-435	11	29
140	Tissue storage affects lipidome profiling in comparison to in vivo microsampling approach. <i>Scientific Reports</i> , <b>2018</b> , 8, 6980	4.9	24
139	Impacts of wastewater treatment plant effluent on energetics and stress response of rainbow darter ( <i>Etheostoma caeruleum</i> ) in the Grand River watershed. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , <b>2018</b> , 224, 270-279	2.3	23
138	Assessing recovery of in vitro steroid production in male rainbow darter ( <i>Etheostoma caeruleum</i> ) in response to municipal wastewater treatment plant infrastructure changes. <i>Environmental Toxicology and Chemistry</i> , <b>2018</b> , 37, 501-514	3.8	1

137	Concurrent photocatalytic degradation of organic contaminants and photocathodic protection of steel Ag/TiO <sub>2</sub> composites. <i>Materialia</i> , <b>2018</b> , 3, 212-217	3.2	1
136	Returning to normal? Assessing transcriptome recovery over time in male rainbow darter ( <i>Etheostoma caeruleum</i> ) liver in response to wastewater-treatment plant upgrades. <i>Environmental Toxicology and Chemistry</i> , <b>2017</b> , 36, 2108-2122	3.8	13
135	How Does Reference Site Selection Influence Interpretation of Omics Data?: Evaluating Liver Transcriptome Responses in Male Rainbow Darter ( <i>Etheostoma caeruleum</i> ) across an Urban Environment. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 6470-6479	10.3	11
134	Municipal wastewater treatment plant effluent-induced effects on freshwater mussel populations and the role of mussel refugia in recolonizing an extirpated reach. <i>Environmental Pollution</i> , <b>2017</b> , 225, 460-468	9.3	9
133	In vivo microsampling to capture the elusive exposome. <i>Scientific Reports</i> , <b>2017</b> , 7, 44038	4.9	25
132	Reduction of Intersex in a Wild Fish Population in Response to Major Municipal Wastewater Treatment Plant Upgrades. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 1811-1819	10.3	38
131	Freshwater mussels in an urban watershed: Impacts of anthropogenic inputs and habitat alterations on populations. <i>Science of the Total Environment</i> , <b>2017</b> , 574, 671-679	10.2	21
130	Rainbow trout exposed to benzo[a]pyrene yields conserved microRNA binding sites in DNA methyltransferases across 500 million years of evolution. <i>Scientific Reports</i> , <b>2017</b> , 7, 16843	4.9	11
129	Photocatalytic degradation using one-dimensional TiO <sub>2</sub> and Ag-TiO <sub>2</sub> nanobelts under UV-LED controlled periodic illumination. <i>Journal of Environmental Chemical Engineering</i> , <b>2017</b> , 5, 4365-4373	6.8	8
128	Influence of methanol when used as a water-miscible carrier of pharmaceuticals in TiO <sub>2</sub> photocatalytic degradation experiments. <i>Journal of Environmental Chemical Engineering</i> , <b>2017</b> , 5, 4497-4504	6.8	11
127	<sup>15</sup> N tracks changes in the assimilation of sewage-derived nutrients into a riverine food web before and after major process alterations at two municipal wastewater treatment plants. <i>Ecological Indicators</i> , <b>2017</b> , 72, 747-758	5.8	25
126	Impacts of a tertiary treated municipal wastewater effluent on the carbon and nitrogen stable isotope signatures of two darter species ( <i>Etheostoma blennioides</i> and <i>E. caeruleum</i> ) in a small receiving environment. <i>Ecological Indicators</i> , <b>2016</b> , 60, 594-602	5.8	9
125	Photocatalytic decomposition of selected estrogens and their estrogenic activity by UV-LED irradiated TiO <sub>2</sub> immobilized on porous titanium sheets via thermal-chemical oxidation. <i>Journal of Hazardous Materials</i> , <b>2016</b> , 318, 541-550	12.8	34
124	Assessing the bioremediation potential of algal species indigenous to oil sands process-affected waters on mixtures of oil sands acid extractable organics. <i>Ecotoxicology and Environmental Safety</i> , <b>2016</b> , 133, 373-80	7	6
123	Occurrence, distribution, and sources of antimicrobials in a mixed-use watershed. <i>Science of the Total Environment</i> , <b>2016</b> , 541, 1581-1591	10.2	20
122	An Assessment of the Spatial and Temporal Variability of Biological Responses to Municipal Wastewater Effluent in Rainbow Darter ( <i>Etheostoma caeruleum</i> ) Collected along an Urban Gradient. <i>PLoS ONE</i> , <b>2016</b> , 11, e0164879	3.7	22
121	Characterizing Transcriptional Networks in Male Rainbow Darter ( <i>Etheostoma caeruleum</i> ) that Regulate Testis Development over a Complete Reproductive Cycle. <i>PLoS ONE</i> , <b>2016</b> , 11, e0164722	3.7	7
120	Biological responses to contaminants in darters ( <i>Etheostoma</i> spp.) collected from rural and urban regions of the Grand River, ON, Canada. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , <b>2016</b> , 199, 126-135	2.3	14

119	Photocatalytic decomposition of organic micropollutants using immobilized TiO <sub>2</sub> having different isoelectric points. <i>Water Research</i> , <b>2016</b> , 101, 351-361	12.5	50
118	Distribution, Partitioning and Bioaccumulation of Substituted Diphenylamine Antioxidants and Benzotriazole UV Stabilizers in an Urban Creek in Canada. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 9089-97	10.3	58
117	Persistent organic pollutants and porphyrins biomarkers in penguin faeces from Kopaitic Island and Antarctic Peninsula. <i>Science of the Total Environment</i> , <b>2016</b> , 573, 1390-1396	10.2	14
116	Inhibition of Multidrug Resistance of Cancer Cells by Co-Delivery of DNA Nanostructures and Drugs Using Porous Silicon Nanoparticles@Giant Liposomes. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 3330-3340	15.6	97
115	Adsorption of doxorubicin on citrate-capped gold nanoparticles: insights into engineering potent chemotherapeutic delivery systems. <i>Nanoscale</i> , <b>2015</b> , 7, 19611-9	7.7	49
114	Historical decline and altered congener patterns of polychlorinated dibenzo-p-dioxins and dibenzofurans in fish and sediment in response to process changes at a pulp mill discharging into Jackfish Bay, Lake Superior. <i>Environmental Toxicology and Chemistry</i> , <b>2015</b> , 34, 2489-502	3.8	7
113	Prevention of doxorubicin sorptive losses in drug delivery studies using polyethylene glycol. <i>RSC Advances</i> , <b>2015</b> , 5, 25693-25698	3.7	6
112	Assessment of biomarkers for contaminants of emerging concern on aquatic organisms downstream of a municipal wastewater discharge. <i>Science of the Total Environment</i> , <b>2015</b> , 530-531, 140-153	10.2	68
111	Bisphenol A accumulation in eggs disrupts the endocrine regulation of growth in rainbow trout larvae. <i>Aquatic Toxicology</i> , <b>2015</b> , 161, 51-60	5.1	35
110	Severe intersex is predictive of poor fertilization success in populations of rainbow darter ( <i>Etheostoma caeruleum</i> ). <i>Aquatic Toxicology</i> , <b>2015</b> , 160, 106-16	5.1	45
109	Adsorption of DNA oligonucleotides by titanium dioxide nanoparticles. <i>Langmuir</i> , <b>2014</b> , 30, 839-45	4	80
108	Regional Cumulative Effects Monitoring Framework: Gaps and Challenges for the Biobío River Basin in South Central Chile. <i>Gayana</i> , <b>2014</b> , 78, 109-119	1.7	12
107	Differential recovery of <sup>13</sup> C in multiple tissues of white sucker across age classes after the closure of a pulp mill. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , <b>2014</b> , 71, 747-755	2.4	3
106	Silica-Coating of Hematite Nanoparticles Using Reactive Water-Soluble Polyalkoxysiloxanes. <i>Particle and Particle Systems Characterization</i> , <b>2014</b> , 31, 365-373	3.1	10
105	An inter-laboratory study on the variability in measured concentrations of 17 $\beta$ -estradiol, testosterone, and 11-ketotestosterone in white sucker: implications and recommendations. <i>Environmental Toxicology and Chemistry</i> , <b>2014</b> , 33, 847-57	3.8	17
104	Optimization of effects-assessment of greenside darter ( <i>Etheostoma blennioides</i> ) exposed to tertiary treated municipal wastewater based on seasonal changes of reproductive endpoints. <i>Environmental Toxicology and Chemistry</i> , <b>2014</b> , 33, 1077-89	3.8	9
103	Molecular signatures in rainbow darter ( <i>Etheostoma caeruleum</i> ) inhabiting an urbanized river reach receiving wastewater effluents. <i>Aquatic Toxicology</i> , <b>2014</b> , 148, 211-20	5.1	39
102	Toward Fast and Quantitative Modification of Large Gold Nanoparticles by Thiolated DNA: Scaling of Nanoscale Forces, Kinetics, and the Need for Thiol Reduction. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 15677-15684	3.8	49

101	Development and evaluation of a new in vivo solid-phase microextraction sampler. <i>Journal of Separation Science</i> , <b>2013</b> , 36, 219-23	3.4	27
100	Science and management of transboundary lakes: Lessons learned from the global environment facility program. <i>Environmental Development</i> , <b>2013</b> , 7, 17-31	4.1	11
99	Enhanced photocatalytic degradation of dyes by TiO <sub>2</sub> nanobelts with hierarchical structures. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2013</b> , 256, 7-15	4.7	69
98	Seasonal mercury concentrations and $\delta^{15}N$ and $\delta^{13}C$ values of benthic macroinvertebrates and sediments from a historically polluted estuary in south central Chile. <i>Science of the Total Environment</i> , <b>2013</b> , 442, 198-206	10.2	14
97	Effects of 17 $\beta$ -ethinylestradiol (EE2) on reproductive endocrine status in mummichog ( <i>Fundulus heteroclitus</i> ) under differing salinity and temperature conditions. <i>Aquatic Toxicology</i> , <b>2013</b> , 134-135, 92-103	5.1	19
96	Polarity control for nonthiolated DNA adsorption onto gold nanoparticles. <i>Langmuir</i> , <b>2013</b> , 29, 6091-8	4	67
95	Fish community responses to multiple municipal wastewater inputs in a watershed. <i>Integrated Environmental Assessment and Management</i> , <b>2013</b> , 9, 456-68	2.5	34
94	Detection of reproductive impacts of effluents from pulp and paper mills: Shifts in issues and potential causes. <i>Environmental Toxicology and Chemistry</i> , <b>2013</b> , 32, 729-31	3.8	8
93	Occurrence and degree of intersex (testis-ova) in darters ( <i>Etheostoma</i> spp.) across an urban gradient in the Grand River, Ontario, Canada. <i>Environmental Toxicology and Chemistry</i> , <b>2013</b> , 32, 1981-91	3.8	49
92	A framework for assessing cumulative effects in watersheds: an introduction to Canadian case studies. <i>Integrated Environmental Assessment and Management</i> , <b>2013</b> , 9, 363-9	2.5	40
91	In vivo sampling of environmental organic contaminants in fish by solid-phase microextraction. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2012</b> , 32, 31-39	14.6	41
90	Instantaneous and quantitative functionalization of gold nanoparticles with thiolated DNA using a pH-assisted and surfactant-free route. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 7266-9	16.4	376
89	Fast pH-assisted functionalization of silver nanoparticles with monothiolated DNA. <i>Chemical Communications</i> , <b>2012</b> , 48, 10114-6	5.8	71
88	Instantaneous attachment of an ultrahigh density of nonthiolated DNA to gold nanoparticles and its applications. <i>Langmuir</i> , <b>2012</b> , 28, 17053-60	4	131
87	Determination of pharmaceutical residues in fish bile by solid-phase microextraction coupled with liquid chromatography-tandem mass spectrometry (LC/MS/MS). <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 5302-9	10.3	68
86	Evaluating the potential of effluents and wood feedstocks from pulp and paper mills in Brazil, Canada, and New Zealand to affect fish reproduction: chemical profiling and in vitro assessments. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 1849-58	10.3	24
85	Effects of polyethylene glycol on DNA adsorption and hybridization on gold nanoparticles and graphene oxide. <i>Langmuir</i> , <b>2012</b> , 28, 14330-7	4	40
84	Study of kinetic desorption rate constant in fish muscle and agarose gel model using solid phase microextraction coupled with liquid chromatography with tandem mass spectrometry. <i>Analytica Chimica Acta</i> , <b>2012</b> , 742, 2-9	6.6	11



83	Tissue-specific metabolic changes in response to an acute handling disturbance in juvenile rainbow trout exposed to municipal wastewater effluent. <i>Aquatic Toxicology</i> , <b>2012</b> , 108, 53-9	5.1	27
82	Reproductive and histopathological effects in wild fish inhabiting an effluent-dominated stream, Wascana Creek, SK, Canada. <i>Aquatic Toxicology</i> , <b>2012</b> , 110-111, 149-61	5.1	39
81	PCR-ready human DNA extraction from urine samples using magnetic nanoparticles. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2012</b> , 881-882, 63-8	3.2	35
80	Temporal changes in stress and tissue-specific metabolic responses to municipal wastewater effluent exposure in rainbow trout. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2012</b> , 156, 67-74	3.2	17
79	Determination of selected pharmaceutical residues in wastewater using an automated open bed solid phase microextraction system. <i>Journal of Chromatography A</i> , <b>2012</b> , 1262, 34-42	4.5	30
78	Optimization of solid phase microextraction for non-lethal in vivo determination of selected pharmaceuticals in fish muscle using liquid chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , <b>2012</b> , 1261, 99-106	4.5	69
77	Surface science of DNA adsorption onto citrate-capped gold nanoparticles. <i>Langmuir</i> , <b>2012</b> , 28, 3896-902	4	228
76	Ultrahigh nanoparticle stability against salt, pH, and solvent with retained surface accessibility via depletion stabilization. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 9910-3	16.4	159
75	Depth-profiling of environmental pharmaceuticals in biological tissue by solid-phase microextraction. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 6956-62	7.8	16
74	Pharmaceuticals and personal care products in the environment: what are the big questions?. <i>Environmental Health Perspectives</i> , <b>2012</b> , 120, 1221-9	8.4	830
73	Sampling-rate calibration for rapid and nonlethal monitoring of organic contaminants in fish muscle by solid-phase microextraction. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 7792-8	10.3	85
72	Fathead minnow ( <i>Pimephales promelas</i> ) reproduction is impaired in aged oil sands process-affected waters. <i>Aquatic Toxicology</i> , <b>2011</b> , 101, 214-20	5.1	83
71	Exposure to municipal wastewater effluent impacts stress performance in rainbow trout. <i>Aquatic Toxicology</i> , <b>2011</b> , 103, 85-91	5.1	39
70	Intersex and reproductive impairment of wild fish exposed to multiple municipal wastewater discharges. <i>Aquatic Toxicology</i> , <b>2011</b> , 104, 278-90	5.1	162
69	Solid-phase microextraction coupled to LC-ESI-MS/MS: evaluation and correction for matrix-induced ionization suppression/enhancement for pharmaceutical analysis in biological and environmental samples. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 6532-8	7.8	30
68	Environmental characterization of surface runoff from three highway sites in Southern Ontario, Canada: 2. Toxicology. <i>Water Quality Research Journal of Canada</i> , <b>2011</b> , 46, 121-136	1.7	16
67	The effects of tertiary treated municipal wastewater on fish communities of a small river tributary in Southern Ontario, Canada. <i>Environmental Pollution</i> , <b>2011</b> , 159, 1923-31	9.3	30
66	Validation and use of in vivo solid phase micro-extraction (SPME) for the detection of emerging contaminants in fish. <i>Chemosphere</i> , <b>2011</b> , 85, 1472-80	8.4	54

65	Hepatic transcriptomics and protein expression in rainbow trout exposed to municipal wastewater effluent. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 2368-76	10.3	61
64	Kinetically-calibrated solid-phase microextraction using label-free standards and its application for pharmaceutical analysis. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 2371-7	7.8	25
63	Pre-equilibrium solid-phase microextraction of free analyte in complex samples: correction for mass transfer variation from protein binding and matrix tortuosity. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 3365-70	7.8	32
62	Temperature-dependent selective purification of plasmid DNA using magnetic nanoparticles in an RNase-free process. <i>Analytical Biochemistry</i> , <b>2011</b> , 412, 117-9	3.1	15
61	Hydrothermal growth of free standing TiO <sub>2</sub> nanowire membranes for photocatalytic degradation of pharmaceuticals. <i>Journal of Hazardous Materials</i> , <b>2011</b> , 189, 278-85	12.8	137
60	Environmental characterization of surface runoff from three highway sites in Southern Ontario, Canada: 1. Chemistry. <i>Water Quality Research Journal of Canada</i> , <b>2011</b> , 46, 110-120	1.7	13
59	Advanced Oxidation Treatment of Drinking Water: Part I. Occurrence and Removal of Pharmaceuticals and Endocrine-Disrupting Compounds from Lake Huron Water. <i>Ozone: Science and Engineering</i> , <b>2010</b> , 32, 217-229	2.4	29
58	Tissue-specific in vivo bioconcentration of pharmaceuticals in rainbow trout ( <i>Oncorhynchus mykiss</i> ) using space-resolved solid-phase microextraction. <i>Environmental Science &amp; Technology</i> , <b>2010</b> , 44, 3417-22	10.3	102
57	Temporal resolution of solid-phase microextraction: measurement of real-time concentrations within a dynamic system. <i>Analytical Chemistry</i> , <b>2010</b> , 82, 9492-9	7.8	19
56	Biomonitoring of perfluorochemicals and toxicity to the downstream fish community of Etobicoke Creek following deployment of aqueous film-forming foam. <i>Aquatic Toxicology</i> , <b>2010</b> , 98, 120-9	5.1	55
55	Antidepressants and their metabolites in municipal wastewater, and downstream exposure in an urban watershed. <i>Environmental Toxicology and Chemistry</i> , <b>2010</b> , 29, 79-89	3.8	355
54	Environmental risk assessment for the serotonin re-uptake inhibitor fluoxetine: Case study using the European risk assessment framework. <i>Integrated Environmental Assessment and Management</i> , <b>2010</b> , 6 Suppl, 524-39	2.5	66
53	Development of the space-resolved solid-phase microextraction technique and its application to biological matrices. <i>Analytical Chemistry</i> , <b>2009</b> , 81, 7349-56	7.8	62
52	Use of simultaneous dual-probe microdialysis for the determination of pesticide residues in a jade plant ( <i>Crassula ovata</i> ). <i>Analyst, The</i> , <b>2009</b> , 134, 748-54	5	14
51	Application of solid-phase microextraction for in vivo laboratory and field sampling of pharmaceuticals in fish. <i>Environmental Science &amp; Technology</i> , <b>2008</b> , 42, 6073-9	10.3	111
50	The Presence of Selected Pharmaceuticals and the Antimicrobial Triclosan in Drinking Water in Ontario, Canada. <i>Water Quality Research Journal of Canada</i> , <b>2007</b> , 42, 130-137	1.7	42
49	Occurrence and reductions of pharmaceuticals and personal care products and estrogens by municipal wastewater treatment plants in Ontario, Canada. <i>Science of the Total Environment</i> , <b>2006</b> , 367, 544-58	10.2	390
48	Persistence of endocrine-disrupting chemicals in agricultural soils. <i>Journal of Environmental Engineering and Science</i> , <b>2006</b> , 5, 211-219	0.8	13



47	In Vivo Estrogenicity of Nonylphenol and Its Ethoxylates in the Canadian Environment. <i>Human and Ecological Risk Assessment (HERA)</i> , <b>2005</b> , 11, 353-364	4.9	12
46	Distribution of estrogens, 17beta-estradiol and estrone, in Canadian municipal wastewater treatment plants. <i>Science of the Total Environment</i> , <b>2005</b> , 336, 155-70	10.2	314
45	A toxicity identification evaluation approach to studying estrogenic substances in hog manure and agricultural runoff. <i>Environmental Toxicology and Chemistry</i> , <b>2003</b> , 22, 2243-50	3.8	74
44	Occurrence of neutral and acidic drugs in the effluents of Canadian sewage treatment plants. <i>Environmental Toxicology and Chemistry</i> , <b>2003</b> , 22, 2872-80	3.8	392
43	An Ecological Risk Assessment of Nonylphenol and Its Ethoxylates in the Aquatic Environment. <i>Human and Ecological Risk Assessment (HERA)</i> , <b>2003</b> , 9, 569-587	4.9	32
42	Diet of <i>Mysis relicta</i> in Lake Ontario as revealed by stable isotope and gut content analysis. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , <b>2001</b> , 58, 1975-1986	2.4	87
41	An Overview of Substances Present in Canadian Aquatic Environments Associated with Endocrine Disruption. <i>Water Quality Research Journal of Canada</i> , <b>2001</b> , 36, 191-213	1.7	30
40	A Canadian Perspective on Endocrine Disrupting Substances in the Environment. <i>Water Quality Research Journal of Canada</i> , <b>2001</b> , 36, 331-346	1.7	2
39	Uncertainties Associated with Assessing the Risk of an Endocrine Active Substance in the Canadian Environment. <i>Water Quality Research Journal of Canada</i> , <b>2001</b> , 36, 319-330	1.7	6
38	Review of the Aquatic Toxicity, Estrogenic Responses and Bioaccumulation of Alkylphenols and Alkylphenol Polyethoxylates. <i>Water Quality Research Journal of Canada</i> , <b>1999</b> , 34, 123-178	1.7	266
37	An exploratory study of urban runoff toxicity. <i>Water Science and Technology</i> , <b>1999</b> , 39, 33	2.2	59
36	Behavior and occurrence of estrogens in municipal sewage treatment plants--I. Investigations in Germany, Canada and Brazil. <i>Science of the Total Environment</i> , <b>1999</b> , 225, 81-90	10.2	1077
35	The Development of Cumulative Effects Assessment Tools Using Fish Populations <b>1999</b> ,		5
34	Identification of the lampricide 3-trifluoromethyl-4-nitrophenol as an agonist for the rainbow trout estrogen receptor. <i>Environmental Toxicology and Chemistry</i> , <b>1998</b> , 17, 425-432	3.8	31
33	Identification of chloro-nitro-trifluoromethyl-substituted dibenzo-p-dioxins in lampricide formulations of 3-trifluoromethyl-4-nitrophenol: Assessment to induce mixed function oxidase activity. <i>Environmental Toxicology and Chemistry</i> , <b>1998</b> , 17, 941-950	3.8	6
32	Mammalian and teleost cell line bioassay and chemically derived 2,3,7,8-tetrachlorodibenzo-p-dioxin equivalent concentrations in lake trout ( <i>Salvelinus namaycush</i> ) from Lake Superior and Lake Ontario, North America. <i>Environmental Toxicology and Chemistry</i> , <b>1998</b> , 17, 2214-2226	3.8	17
31	Identification of the lampricide 3-trifluoromethyl-4-nitrophenol as an agonist for the rainbow trout estrogen receptor <b>1998</b> , 17, 425		1
30	. <i>Environmental Toxicology and Chemistry</i> , <b>1998</b> , 17, 941	3.8	3

29	Evaluation of temporal and age-related trends of chemically and biologically generated 2,3,7,8-tetrachlorodibenzo-p-dioxin equivalents in lake Ontario lake trout, 1977 to 1993. <i>Environmental Toxicology and Chemistry</i> , <b>1997</b> , 16, 154-164	3.8	34
28	. <i>Environmental Toxicology and Chemistry</i> , <b>1997</b> , 16, 154	3.8	2
27	Evidence for a Reduction of 2,3,7,8-TCDD Toxic Equivalent Concentrations in White Sucker ( <i>Catostomus commersoni</i> ) Exposed to Bleached Kraft Pulp Mill Effluent, Following Process and Treatment Improvements. <i>Journal of Great Lakes Research</i> , <b>1996</b> , 22, 264-279	3	12
26	Temporal and Age-Related Trends in Levels of Polychlorinated Biphenyl Congeners and Organochlorine Contaminants in Lake Ontario Lake Trout ( <i>Salvelinus namaycush</i> ). <i>Journal of Great Lakes Research</i> , <b>1996</b> , 22, 310-330	3	61
25	Use of an mfo-directed toxicity identification evaluation to isolate and characterize bioactive impurities from a lampricide formulation. <i>Environmental Toxicology and Chemistry</i> , <b>1996</b> , 15, 894-905	3.8	17
24	Relative potency of polychlorinated dibenzo-p-dioxins and dibenzofurans for inducing mixed-function oxygenase activity in rainbow trout. <i>Environmental Toxicology and Chemistry</i> , <b>1995</b> , 14, 1041-1050	3.8	46
23	Long-term fate and bioavailability of sediment-associated polychlorinated dibenzo-p-dioxins in aquatic mesocosms. <i>Environmental Toxicology and Chemistry</i> , <b>1995</b> , 14, 1799-1807	3.8	20
22	Using ratios of stable nitrogen and carbon isotopes to characterize the biomagnification of DDE, mirex, and PCB in a Lake Ontario pelagic food web. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , <b>1995</b> , 52, 2660-2674	2.4	133
21	Hepatic 7-ethoxyresorufin-O-deethylase activity, plasma steroid hormone concentrations, and liver bioassay-derived 2,3,7,8-TCDD toxic equivalent concentrations in wild white sucker ( <i>Catostomus commersoni</i> ) caged in bleached kraft pulp mill effluent. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , <b>1995</b> , 52, 1339-1350	2.4	24
20	. <i>Environmental Toxicology and Chemistry</i> , <b>1995</b> , 14, 1041	3.8	5
19	Survey of receiving-water environmental impacts associated with discharges from pulp mills: 1. Mill characteristics, receiving-water chemical profiles and lab toxicity tests. <i>Environmental Toxicology and Chemistry</i> , <b>1994</b> , 13, 1075-1088	3.8	27
18	Survey of receiving-water environmental impacts associated with discharges from pulp mills: 2. Gonad size, liver size, hepatic erod activity and plasma sex steroid levels in white sucker. <i>Environmental Toxicology and Chemistry</i> , <b>1994</b> , 13, 1089-1101	3.8	148
17	Survey of receiving-water environmental impacts associated with discharges from pulp mills: 3. Polychlorinated dioxins and furans in muscle and liver of white sucker ( <i>Catostomus commersoni</i> ). <i>Environmental Toxicology and Chemistry</i> , <b>1994</b> , 13, 1103-1115	3.8	23
16	Survey of receiving-water environmental impacts associated with discharges from pulp mills: 4. Bioassay-derived 2,3,7,8-tetrachlorodibenzo-P-dioxin toxic equivalent concentration in white sucker ( <i>catostomus commersoni</i> ) in relation to biochemical indicators of impact. <i>Environmental Toxicology and Chemistry</i> , <b>1994</b> , 13, 1117-1126	3.8	15
15	Identification of Lampricide Formulations as a Potent Inducer of MFO Activity in Fish. <i>Journal of Great Lakes Research</i> , <b>1994</b> , 20, 355-365	3	21
14	Bioconcentration of pyrethroid insecticides and DDT by rainbow trout: uptake, depuration, and effect of dissolved organic carbon. <i>Aquatic Toxicology</i> , <b>1994</b> , 29, 223-240	5.1	58
13	. <i>Environmental Toxicology and Chemistry</i> , <b>1994</b> , 13, 1089	3.8	126
12	. <i>Environmental Toxicology and Chemistry</i> , <b>1994</b> , 13, 1117	3.8	23

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10	. <i>Environmental Toxicology and Chemistry</i> , <b>1994</b> , 13, 1075	3.8	29
9	Environmental Fate of Polychlorinated Dibenzo-p-dioxins in Lake Enclosures. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , <b>1992</b> , 49, 722-734	2.4	14
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6	Effect of dissolved organic matter from Canadian shield lakes on the bioavailability of 1,3,6,8-Tetrachlorodibenzo-p-dioxin to the amphipod <i>Crangonyx laurentianus</i> . <i>Environmental Toxicology and Chemistry</i> , <b>1989</b> , 8, 141-150	3.8	39
5	The effect of dissolved organic matter on the bioavailability of polychlorinated dibenzo-p-dioxins. <i>Aquatic Toxicology</i> , <b>1989</b> , 14, 169-184	5.1	67
4	. <i>Environmental Toxicology and Chemistry</i> , <b>1989</b> , 8, 141	3.8	11
3	Lack of bioaccumulation of metals by <i>Elliptio complanata</i> (Bivalvia) during acidic snowmelt in three south-central Ontario streams. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>1987</b> , 38, 762-8	2.7	18
2	The effect of short-term acidification during spring snowmelt on selected Mollusca in south-central Ontario. <i>Canadian Journal of Zoology</i> , <b>1986</b> , 64, 1690-1695	1.5	13
1	Reproduction of selected Mollusca in some low alkalinity lakes in south-central Ontario. <i>Canadian Journal of Zoology</i> , <b>1985</b> , 63, 511-515	1.5	24