Mark R Servos

List of Publications by Year
in descending order

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178 papers	11,725 citations	38660 50 h-index	30848 102 g-index
183 all docs	183 docs citations	183 times ranked	11452 citing authors

#	Article	IF	Citations
1	Behavior and occurrence of estrogens in municipal sewage treatment plants â€" I. Investigations in Germany, Canada and Brazil. Science of the Total Environment, 1999, 225, 81-90.	3.9	1,198
2	Pharmaceuticals and Personal Care Products in the Environment: What Are the Big Questions?. Environmental Health Perspectives, 2012, 120, 1221-1229.	2.8	1,033
3	Instantaneous and Quantitative Functionalization of Gold Nanoparticles with Thiolated DNA Using a pH-Assisted and Surfactant-Free Route. Journal of the American Chemical Society, 2012, 134, 7266-7269.	6.6	477
4	Occurrence and reductions of pharmaceuticals and personal care products and estrogens by municipal wastewater treatment plants in Ontario, Canada. Science of the Total Environment, 2006, 367, 544-558.	3.9	443
5	OCCURRENCE OF NEUTRAL AND ACIDIC DRUGS IN THE EFFLUENTS OF CANADIAN SEWAGE TREATMENT PLANTS. Environmental Toxicology and Chemistry, 2003, 22, 2872.	2.2	421
6	Antidepressants and their metabolites in municipal wastewater, and downstream exposure in an urban watershed. Environmental Toxicology and Chemistry, 2010, 29, 79-89.	2.2	417
7	Distribution of estrogens, 17Î²-estradiol and estrone, in Canadian municipal wastewater treatment plants. Science of the Total Environment, 2005, 336, 155-170.	3.9	357
8	Review of the Aquatic Toxicity, Estrogenic Responses and Bioaccumulation of Alkylphenols and Alkylphenol Polyethoxylates. Water Quality Research Journal of Canada, 1999, 34, 123-178.	1.2	309
9	Quantitative analysis of SARS-CoV-2 RNA from wastewater solids in communities with low COVID-19 incidence and prevalence. Water Research, 2021, 188, 116560.	5.3	297
10	Surface Science of DNA Adsorption onto Citrate-Capped Gold Nanoparticles. Langmuir, 2012, 28, 3896-3902.	1.6	260
11	Ultrahigh Nanoparticle Stability against Salt, pH, and Solvent with Retained Surface Accessibility via Depletion Stabilization. Journal of the American Chemical Society, 2012, 134, 9910-9913.	6.6	189
12	Intersex and reproductive impairment of wild fish exposed to multiple municipal wastewater discharges. Aquatic Toxicology, 2011, 104, 278-290.	1.9	186
13	Survey of receivingâ€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. Environmental Toxicology and Chemistry, 1994, 13, 1089-1101.	2.2	178
14	Catching a resurgence: Increase in SARS-CoV-2 viral RNA identified in wastewater 48Âh before COVID-19 clinical tests and 96Âh before hospitalizations. Science of the Total Environment, 2021, 770, 145319.	3.9	159
15	Instantaneous Attachment of an Ultrahigh Density of Nonthiolated DNA to Gold Nanoparticles and Its Applications. Langmuir, 2012, 28, 17053-17060.	1.6	157
16	Hydrothermal growth of free standing TiO2 nanowire membranes for photocatalytic degradation of pharmaceuticals. Journal of Hazardous Materials, 2011, 189, 278-285.	6.5	150
17	Using ratios of stable nitrogen and carbon isotopes to characterize the biomagnification of DDE, mirex, and PCB in a Lake Ontario pelagic food web. Canadian Journal of Fisheries and Aquatic Sciences, 1995, 52, 2660-2674.	0.7	142
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. Environmental Toxicology and Chemistry, 1994, 13, 1089.	2.2	134

#	Article	IF	Citations
19	Application of Solid-Phase Microextraction for In Vivo Laboratory and Field Sampling of Pharmaceuticals in Fish. Environmental Science & Technology, 2008, 42, 6073-6079.	4.6	119
20	Inhibition of Multidrug Resistance of Cancer Cells by Coâ€Ðelivery of DNA Nanostructures and Drugs Using Porous Silicon Nanoparticles@Giant Liposomes. Advanced Functional Materials, 2015, 25, 3330-3340.	7.8	114
21	Tissue-Specific In Vivo Bioconcentration of Pharmaceuticals in Rainbow Trout (Oncorhynchus) Tj ETQq1 1 0.784314 rgBT /Overloc Technology, 2010, 44, 3417-3422.	4.6	107
22	Diet of Mysis relicta in Lake Ontario as revealed by stable isotope and gut content analysis. Canadian Journal of Fisheries and Aquatic Sciences, 2001, 58, 1975-1986.	0.7	102
23	Adsorption of DNA Oligonucleotides by Titanium Dioxide Nanoparticles. Langmuir, 2014, 30, 839-845.	1.6	94
24	Comparison of approaches to quantify SARS-CoV-2 in wastewater using RT-qPCR: Results and implications from a collaborative inter-laboratory study in Canada. Journal of Environmental Sciences, 2021, 107, 218-229.	3.2	91
25	An exploratory study of urban runoff toxicity. Water Science and Technology, 1999, 39, 33.	1.2	90
26	Fathead minnow (Pimephales promelas) reproduction is impaired in aged oil sands process-affected waters. Aquatic Toxicology, 2011, 101, 214-220.	1.9	90
27	Distribution, Partitioning and Bioaccumulation of Substituted Diphenylamine Antioxidants and Benzotriazole UV Stabilizers in an Urban Creek in Canada. Environmental Science & Technology, 2016, 50, 9089-9097.	4.6	90
28	Fast pH-assisted functionalization of silver nanoparticles with monothiolated DNA. Chemical Communications, 2012, 48, 10114.	2.2	88
29	Sampling-Rate Calibration for Rapid and Nonlethal Monitoring of Organic Contaminants in Fish Muscle by Solid-Phase Microextraction. Environmental Science & Technology, 2011, 45, 7792-7798.	4.6	87
30	Assessment of biomarkers for contaminants of emerging concern on aquatic organisms downstream of a municipal wastewater discharge. Science of the Total Environment, 2015, 530-531, 140-153.	3.9	83
31	A TOXICITY IDENTIFICATION EVALUATION APPROACH TO STUDYING ESTROGENIC SUBSTANCES IN HOG MANURE AND AGRICULTURAL RUNOFF. Environmental Toxicology and Chemistry, 2003, 22, 2243.	2.2	79
32	Polarity Control for Nonthiolated DNA Adsorption onto Gold Nanoparticles. Langmuir, 2013, 29, 6091-6098.	1.6	77
33	Enhanced photocatalytic degradation of dyes by TiO2 nanobelts with hierarchical structures. Journal of Photochemistry and Photobiology A: Chemistry, 2013, 256, 7-15.	2.0	75
34	Environmental risk assessment for the serotonin reâ€uptake inhibitor fluoxetine: Case study using the European risk assessment framework. Integrated Environmental Assessment and Management, 2010, 6, 524-539.	1.6	73
35	Determination of Pharmaceutical Residues in Fish Bile by Solid-Phase Microextraction Couple with Liquid Chromatography-Tandem Mass Spectrometry (LC/MS/MS). Environmental Science & Technology, 2012, 46, 5302-5309.	4.6	73
36	Optimization of solid phase microextraction for non-lethal in vivo determination of selected pharmaceuticals in fish muscle using liquid chromatographyâ€“mass spectrometry. Journal of Chromatography A, 2012, 1261, 99-106.	1.8	73

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37	The effect of dissolved organic matter on the bioavailability of polychlorinated dibenzo-p-dioxins. Aquatic Toxicology, 1989, 14, 169-184.	1.9	71
38	Temporal and Age-Related Trends in Levels of Polychlorinated Biphenyl Congeners and Organochlorine Contaminants in Lake Ontario Lake Trout (Salvelinus namaycush). Journal of Great Lakes Research, 1996, 22, 310-330.	0.8	69
39	Adsorption of doxorubicin on citrate-capped gold nanoparticles: insights into engineering potent chemotherapeutic delivery systems. Nanoscale, 2015, 7, 19611-19619.	2.8	69
40	Hepatic Transcriptomics and Protein Expression in Rainbow Trout Exposed to Municipal Wastewater Effluent. Environmental Science & Technology, 2011, 45, 2368-2376.	4.6	68
41	Bioconcentration of pyrethroid insecticides and DDT by rainbow trout: uptake, depuration, and effect of dissolved organic carbon. Aquatic Toxicology, 1994, 29, 223-240.	1.9	65
42	Photocatalytic decomposition of organic micropollutants using immobilized TiO2 having different isoelectric points. Water Research, 2016, 101, 351-361.	5.3	63
43	Development of the Space-Resolved Solid-Phase Microextraction Technique and Its Application to Biological Matrices. Analytical Chemistry, 2009, 81, 7349-7356.	3.2	62
44	Biomonitoring of perfluorochemicals and toxicity to the downstream fish community of Etobicoke Creek following deployment of aqueous film-forming foam. Aquatic Toxicology, 2010, 98, 120-129.	1.9	61
45	Validation and use of in vivo solid phase micro-extraction (SPME) for the detection of emerging contaminants in fish. Chemosphere, 2011, 85, 1472-1480.	4.2	57
46	Occurrence and degree of intersex (testisâ€“ova) in darters (Etheostoma SPP.) across an urban gradient in the Grand River, Ontario, Canada. Environmental Toxicology and Chemistry, 2013, 32, 1981-1991.	2.2	56
47	Toward Fast and Quantitative Modification of Large Gold Nanoparticles by Thiolated DNA: Scaling of Nanoscale Forces, Kinetics, and the Need for Thiol Reduction. Journal of Physical Chemistry C, 2013, 117, 15677-15684.	1.5	55
48	Reduction of Intersex in a Wild Fish Population in Response to Major Municipal Wastewater Treatment Plant Upgrades. Environmental Science & Technology, 2017, 51, 1811-1819.	4.6	54
49	Severe intersex is predictive of poor fertilization success in populations of rainbow darter (Etheostoma caeruleum). Aquatic Toxicology, 2015, 160, 106-116.	1.9	53
50	Regenerative NanoOctopus Based on Multivalent-Aptamer-Functionalized Magnetic Microparticles for Effective Cell Capture in Whole Blood. Analytical Chemistry, 2019, 91, 4017-4022.	3.2	52
51	Photocatalytic decomposition of selected estrogens and their estrogenic activity by UV-LED irradiated TiO2 immobilized on porous titanium sheets via thermal-chemical oxidation. Journal of Hazardous Materials, 2016, 318, 541-550.	6.5	50
52	Relative potency of polychlorinated dibenzoâ€‹pâ€dioxins and dibenzofurans for inducing mixedâ€function oxygenase activity in rainbow trout. Environmental Toxicology and Chemistry, 1995, 14, 1041-1050.	2.2	48
53	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. Water Research, 2021, 205, 117681.	5.3	48
54	Exposure to municipal wastewater effluent impacts stress performance in rainbow trout. Aquatic Toxicology, 2011, 103, 85-91.	1.9	47

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55	A framework for assessing cumulative effects in watersheds: An introduction to Canadian case studies. Integrated Environmental Assessment and Management, 2013, 9, 363-369.	1.6	47
56	The Presence of Selected Pharmaceuticals and the Antimicrobial Triclosan in Drinking Water in Ontario, Canada. Water Quality Research Journal of Canada, 2007, 42, 130-137.	1.2	45
57	Effect of dissolved organic matter from Canadian shield lakes on the bioavailability of 1,3,6,8â€Tetrachlorodibenzoâ€pâ€dioxin to the amphipod Crangonyx laurentianus. Environmental Toxicology and Chemistry, 1989, 8, 141-150.	2.2	44
58	Effects of Polyethylene Glycol on DNA Adsorption and Hybridization on Gold Nanoparticles and Graphene Oxide. Langmuir, 2012, 28, 14330-14337.	1.6	44
59	Reproductive and histopathological effects in wild fish inhabiting an effluent-dominated stream, Wascana Creek, SK, Canada. Aquatic Toxicology, 2012, 110-111, 149-161.	1.9	44
60	In vivo sampling of environmental organic contaminants in fish by solid-phase microextraction. TrAC - Trends in Analytical Chemistry, 2012, 32, 31-39.	5.8	42
61	Fish community responses to multiple municipal wastewater inputs in a watershed. Integrated Environmental Assessment and Management, 2013, 9, 456-468.	1.6	42
62	Molecular signatures in rainbow darter (Etheostoma caeruleum) inhabiting an urbanized river reach receiving wastewater effluents. Aquatic Toxicology, 2014, 148, 211-220.	1.9	42
63	Bisphenol A accumulation in eggs disrupts the endocrine regulation of growth in rainbow trout larvae. Aquatic Toxicology, 2015, 161, 51-60.	1.9	42
64	Effect of suspended sediment concentration on the sediment to water partition coefficient for 1,3,6,8-tetrachlorodibenzo-p-dioxin. Environmental Science & Technology, 1989, 23, 1302-1306.	4.6	41
65	PCR-ready human DNA extraction from urine samples using magnetic nanoparticles. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2012, 881-882, 63-68.	1.2	40
66	Evaluation of temporal and ageâ€related trends of chemically and biologically generated 2,3,7,8â€tetrachlorodibenzoâ€pâ€dioxin equivalents in lake Ontario lake trout, 1977 to 1993. Environmental Toxicology and Chemistry, 1997, 16, 154-164.	2.2	38
67	Determination of selected pharmaceutical residues in wastewater using an automated open bed solid phase microextraction system. Journal of Chromatography A, 2012, 1262, 34-42.	1.8	37
68	Metabolome Profiling of Fish Muscle Tissue Exposed to Benzo[a]pyrene Using in Vivo Solid-Phase Microextraction. Environmental Science and Technology Letters, 2018, 5, 431-435.	3.9	37
69	An Overview of Substances Present in Canadian Aquatic Environments Associated with Endocrine Disruption. Water Quality Research Journal of Canada, 2001, 36, 191-213.	1.2	36
70	An Ecological Risk Assessment of Nonylphenol and Its Ethoxylates in the Aquatic Environment. Human and Ecological Risk Assessment (HERA), 2003, 9, 569-587.	1.7	36
71	Advanced Oxidation Treatment of Drinking Water: Part I. Occurrence and Removal of Pharmaceuticals and Endocrine-Disrupting Compounds from Lake Huron Water. Ozone: Science and Engineering, 2010, 32, 217-229.	1.4	36
72	The effects of tertiary treated municipal wastewater on fish communities of a small river tributary in Southern Ontario, Canada. Environmental Pollution, 2011, 159, 1923-1931.	3.7	36

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73	SURVEY OF RECEIVING-WATER ENVIRONMENTAL IMPACTS ASSOCIATED WITH DISCHARGES FROM PULP MILLS. 1. MILL CHARACTERISTICS, RECEIVING-WATER CHEMICAL PROFILES AND LAB TOXICITY TESTS. Environmental Toxicology and Chemistry, 1994, 13, 1075.	2.2	36
74	Survey of receivingâ€water environmental impacts associated with discharges from pulp mills: 1. Mill characteristics, receivingâ€water chemical profiles and lab toxicity tests. Environmental Toxicology and Chemistry, 1994, 13, 1075-1088.	2.2	35
75	Freshwater mussels in an urban watershed: Impacts of anthropogenic inputs and habitat alterations on populations. Science of the Total Environment, 2017, 574, 671-679.	3.9	35
76	InÂvivo solid-phase microextraction sampling combined with metabolomics and toxicological studies for the non-lethal monitoring of the exposome in fish tissue. Environmental Pollution, 2019, 249, 109-115.	3.7	35
77	Pre-Equilibrium Solid-Phase Microextraction of Free Analyte in Complex Samples: Correction for Mass Transfer Variation from Protein Binding and Matrix Tortuosity. Analytical Chemistry, 2011, 83, 3365-3370.	3.2	34
78	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. Analytical Chemistry, 2011, 83, 6532-6538.	3.2	34
79	Impacts of wastewater treatment plant effluent on energetics and stress response of rainbow darter (Etheostoma caeruleum) in the Grand River watershed. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2018, 224, 270-279.	0.7	34
80	Survey of receivingâ€water environmental impacts associated with discharges from pulp mills: 3. Polychlorinated dioxins and furans in muscle and liver of white sucker (<i>Catostomus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 457 Td (co	2.2	34
81	Tissue storage affects lipidome profiling in comparison to in vivo microsampling approach. Scientific Reports, 2018, 8, 6980.	1.6	33
82	Gold nanoparticles as dehydrogenase mimicking nanozymes for estradiol degradation. Chinese Chemical Letters, 2019, 30, 1655-1658.	4.8	33
83	SURVEY OF RECEIVING-WATER ENVIRONMENTAL IMPACTS ASSOCIATED WITH DISCHARGES FROM PULP MILLS. 3. POLYCHLORINATED DIOXINS AND FURANS IN MUSCLE AND LIVER OF WHITE SUCKER (CATOSTOMUS) Tj ETQq1 1 0.784314	2.2	33
84	Identification of the lampricide 3â€trifluoromethylâ€4â€nitrophenol as an agonist for the rainbow trout estrogen receptor. Environmental Toxicology and Chemistry, 1998, 17, 425-432.	2.2	31
85	Î´15N 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. Ecological Indicators, 2017, 72, 747-758.	2.6	31
86	Use of prospective and retrospective risk assessment methods that simplify chemical mixtures associated with treated domestic wastewater discharges. Environmental Toxicology and Chemistry, 2018, 37, 690-702.	2.2	31
87	Tissue-specific metabolic changes in response to an acute handling disturbance in juvenile rainbow trout exposed to municipal wastewater effluent. Aquatic Toxicology, 2012, 108, 53-59.	1.9	30
88	In vivo microsampling to capture the elusive exposome. Scientific Reports, 2017, 7, 44038.	1.6	30
89	Modeling the exposure of wild fish to endocrine active chemicals: Potential linkages of total estrogenicity to field-observed intersex. Water Research, 2018, 139, 187-197.	5.3	30
90	Synergistic Multimodal Cancer Therapy Using Glucose Oxidase@CuS Nanocomposites. ACS Applied Materials & Interfaces, 2021, 13, 41464-41472.	4.0	28

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91	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 (Catostomus) Tj ETQq1 1 0.784314 rgBT /Overlock Sciences, 1995, 52, 1339-1350.	0.7	27
92	Development and evaluation of a new in vivo solidâ€phase microextraction sampler. Journal of Separation Science, 2013, 36, 219-223.	1.3	27
93	An Assessment of the Spatial and Temporal Variability of Biological Responses to Municipal Wastewater Effluent in Rainbow Darter (Etheostoma caeruleum) Collected along an Urban Gradient. PLoS ONE, 2016, 11, e0164879.	1.1	27
94	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. Environmental Science & Technology, 2012, 46, 1849-1858.	4.6	26
95	Multiple Stressors in the Environment: The Effects of Exposure to an Antidepressant (Venlafaxine) and Increased Temperature on Zebrafish Metabolism. Frontiers in Physiology, 2019, 10, 1431.	1.3	26
96	Kinetically-Calibrated Solid-Phase Microextraction Using Label-Free Standards and Its Application for Pharmaceutical Analysis. Analytical Chemistry, 2011, 83, 2371-2377.	3.2	25
97	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 (CATOSTOMUS COMMERSONI) IN RELATION TO BIOCHEMICAL INDICATORS OF IMPACT. Environmental Toxicology and Chemistry, 1994, 13, 1117.	2.2	25
98	Identification of Lampricide Formulations as a Potent Inducer of MFO Activity in Fish. Journal of Great Lakes Research, 1994, 20, 355-365.	0.8	24
99	Occurrence, distribution, and sources of antimicrobials in a mixed-use watershed. Science of the Total Environment, 2016, 541, 1581-1591.	3.9	24
100	Multi-year prediction of estrogenicity in municipal wastewater effluents. Science of the Total Environment, 2018, 610-611, 1103-1112.	3.9	24
101	High Throughput Sequencing of MicroRNA in Rainbow Trout Plasma, Mucus, and Surrounding Water Following Acute Stress. Frontiers in Physiology, 2020, 11, 588313.	1.3	24
102	Bioavailability of Polychlorinated Dibenzo-p-dioxins in Lake Enclosures. Canadian Journal of Fisheries and Aquatic Sciences, 1992, 49, 735-742.	0.7	22
103	Photocatalytic Degradation of Microcystins by TiO2 Using UV-LED Controlled Periodic Illumination. Catalysts, 2019, 9, 181.	1.6	22
104	Municipal wastewater as an ecological trap: Effects on fish communities across seasons. Science of the Total Environment, 2021, 759, 143430.	3.9	22
105	RNA in Municipal Wastewater Reveals Magnitudes of COVID-19 Outbreaks across Four Waves Driven by SARS-CoV-2 Variants of Concern. ACS ES&T Water, 2022, 2, 1852-1862.	2.3	22
106	Use of an mfoâ€directed toxicity identification evaluation to isolate and characterize bioactive impurities from a lampricide formulation. Environmental Toxicology and Chemistry, 1996, 15, 894-905.	2.2	21
107	Temporal Resolution of Solid-Phase Microextraction: Measurement of Real-Time Concentrations within a Dynamic System. Analytical Chemistry, 2010, 82, 9492-9499.	3.2	21
108	Seasonal mercury concentrations and Î´15N and Î´13C values of benthic macroinvertebrates and sediments from a historically polluted estuary in south central Chile. Science of the Total Environment, 2013, 442, 198-206.	3.9	21

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109	Lack of bioaccumulation of metals byElliptio complanata (Bivalvia) during acidic snowmelt in three south-central Ontario streams. Bulletin of Environmental Contamination and Toxicology, 1987, 38, 762-768.	1.3	20
110	Longâ€term fate and bioavailability of sedimentâ€associated polychlorinated dibenzoâ€‹pâ€dioxins in aquatic mesocosms. Environmental Toxicology and Chemistry, 1995, 14, 1799-1807.	2.2	20
111	Mammalian and teleost cell line bioassay and chemically derived 2,3,7,8â€tetrachlorodibenzoâ€‹pâ€dioxin equivalent concentrations in lake trout (Salvelinus) Tj ETQq1 1 0.784314 rgBT /Ov Chemistry, 1998, 17, 2214-2226.	2.2	20
112	Effects of 17Î±-ethinylestradiol (EE2) on reproductive endocrine status in mummichog (Fundulus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 92-103.	1.9	20
113	Survey of receivingâ€water environmental impacts associated with discharges from pulp mills: 4. Bioassayâ€derived 2,3,7,8â€tetrachlorodibenzoâ€‹Pâ€dioxin toxic equivalent concentration in white sucker (catostomus commersoni) in relation to biochemical indicators of impact. Environmental Toxicology and Chemistry, 1994, 13, 1117-1126.	2.2	19
114	Influence of methanol when used as a water-miscible carrier of pharmaceuticals in TiO 2 photocatalytic degradation experiments. Journal of Environmental Chemical Engineering, 2017, 5, 4497-4504.	3.3	19
115	A simple and cost-effective approach to fabricate tunable length polymeric microneedle patches for controllable transdermal drug delivery. RSC Advances, 2020, 10, 15541-15546.	1.7	19
116	Rainbow darter (Etheostoma caeruleum) from a river impacted by municipal wastewater effluents have altered gut content microbiomes. Science of the Total Environment, 2021, 751, 141724.	3.9	19
117	Environmental Fate of Polychlorinated Dibenzo-p-dioxins in Lake Enclosures. Canadian Journal of Fisheries and Aquatic Sciences, 1992, 49, 722-734.	0.7	18
118	Temporal changes in stress and tissue-specific metabolic responses to municipal wastewater effluent exposure in rainbow trout. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2012, 156, 67-74.	1.3	18
119	An interâ€laboratory study on the variability in measured concentrations of 17Î²â€estradiol, testosterone, and 11â€ketotestosterone in white sucker: Implications and recommendations. Environmental Toxicology and Chemistry, 2014, 33, 847-857.	2.2	18
120	Persistent organic pollutants and porphyrins biomarkers in penguin faeces from Kopaitic Island and Antarctic Peninsula. Science of the Total Environment, 2016, 573, 1390-1396.	3.9	18
121	Photocatalytic degradation using TiO2-graphene nanocomposite under UV-LED illumination: Optimization using response surface methodology. Journal of Environmental Chemical Engineering, 2019, 7, 103366.	3.3	18
122	Photodecomposition of pharmaceuticals and personal care products using P25 modified with Ag nanoparticles in the presence of natural organic matter. Science of the Total Environment, 2021, 752, 142000.	3.9	18
123	Environmental characterization of surface runoff from three highway sites in Southern Ontario, Canada: 2. Toxicology. Water Quality Research Journal of Canada, 2011, 46, 121-136.	1.2	17
124	Depth-Profiling of Environmental Pharmaceuticals in Biological Tissue by Solid-Phase Microextraction. Analytical Chemistry, 2012, 84, 6956-6962.	3.2	17
125	Returning to normal? Assessing transcriptome recovery over time in male rainbow darter (Etheostoma caeruleum) liver in response to wastewaterâ€treatment plant upgrades. Environmental Toxicology and Chemistry, 2017, 36, 2108-2122.	2.2	17
126	Rainbow trout exposed to benzo[a]pyrene yields conserved microRNA binding sites in DNA methyltransferases across 500 million years of evolution. Scientific Reports, 2017, 7, 16843.	1.6	17

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127	Degradation of natural organic matter using Ag-P25 photocatalyst under continuous and periodic irradiation of 405 and 365Ânm UV-LEDs. Journal of Environmental Chemical Engineering, 2021, 9, 104844.	3.3	16
128	Evidence for a Reduction of 2,3,7,8-TCDD Toxic Equivalent Concentrations in White Sucker (Catostomus commersoni) Exposed to Bleached Kraft Pulp Mill Effluent, Following Process and Treatment Improvements. Journal of Great Lakes Research, 1996, 22, 264-279.	0.8	15
129	Temperature-dependent selective purification of plasmid DNA using magnetic nanoparticles in an RNase-free process. Analytical Biochemistry, 2011, 412, 117-119.	1.1	15
130	Biological responses to contaminants in darters (Etheostoma spp.) collected from rural and urban regions of the Grand River, ON, Canada. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2016, 199, 126-135.	0.7	15
131	Municipal wastewater treatment plant effluent-induced effects on freshwater mussel populations and the role of mussel refugia in recolonizing an extirpated reach. Environmental Pollution, 2017, 225, 460-468.	3.7	15
132	Endocrine Disruptor Impacts on Fish From Chile: The Influence of Wastewaters. Frontiers in Endocrinology, 2021, 12, 611281.	1.5	15
133	Environmental characterization of surface runoff from three highway sites in Southern Ontario, Canada: 1. Chemistry. Water Quality Research Journal of Canada, 2011, 46, 110-120.	1.2	15
134	Use of simultaneous dual-probe microdialysis for the determination of pesticide residues in a jade plant (Crassula ovata). Analyst, The, 2009, 134, 748.	1.7	14
135	Science and management of transboundary lakes: Lessons learned from the global environment facility program. Environmental Development, 2013, 7, 17-31.	1.8	14
136	Impacts of a tertiary treated municipal wastewater effluent on the carbon and nitrogen stable isotope signatures of two darter species (Etheostoma blennioides and E. caeruleum) in a small receiving environment. Ecological Indicators, 2016, 60, 594-602.	2.6	14
137	Metabolic profile of fish muscle tissue changes with sampling method, storage strategy and time. Analytica Chimica Acta, 2020, 1136, 42-50.	2.6	14
138	The effect of short-term acidification during spring snovvmelt on selected Mollusca in south-central Ontario. Canadian Journal of Zoology, 1986, 64, 1690-1695.	0.4	13
139	Persistence of endocrine-disrupting chemicals in agricultural soils. Journal of Environmental Engineering and Science, 2006, 5, 211-219.	0.3	13
140	Silicaâ€Coating of Hematite Nanoparticles Using Reactive Waterâ€Soluble Polyalkoxysiloxanes. Particle and Particle Systems Characterization, 2014, 31, 365-373.	1.2	13
141	How Does Reference Site Selection Influence Interpretation of Omics Data?: Evaluating Liver Transcriptome Responses in Male Rainbow Darter (Etheostoma caeruleum) across an Urban Environment. Environmental Science & Technology, 2017, 51, 6470-6479.	4.6	13
142	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. Analytical and Bioanalytical Chemistry, 2020, 412, 4183-4194.	1.9	13
143	EFFECT OF DISSOLVED ORGANIC MATTER FROM CANADIAN SHIELD LAKES ON THE BIOAVAILABILITY OF 1,3,6,8-TETRACHLORODIBENZO-p-DIOXIN TO THE AMPHIPOD CRANGONYX LAURENTIANUS. Environmental Toxicology and Chemistry, 1989, 8, 141.	2.2	13
144	In VivoEstrogenicity of Nonylphenol and Its Ethoxylates in the Canadian Environment. Human and Ecological Risk Assessment (HERA), 2005, 11, 353-364.	1.7	12

#	Article	IF	Citations
145	Regional Cumulative Effects Monitoring Framework: Gaps and Challenges for the BiobÃo River Basin in South Central Chile. Gayana, 2014, 78, 109-119.	0.0	12
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