

Louis A Tremblay

List of Publications by Citations

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93
papers

2,118
citations

25
h-index

43
g-index

99
ext. papers

2,527
ext. citations

5.2
avg. IF

4.82
L-index

#	Paper	IF	Citations
93	Comparison of five in vitro bioassays to measure estrogenic activity in environmental waters. <i>Environmental Science & Technology</i> , 2010 , 44, 3853-60	10.3	160
92	Comprehensive study of endocrine disrupting compounds using grab and passive sampling at selected wastewater treatment plants in South East Queensland, Australia. <i>Environment International</i> , 2007 , 33, 654-69	12.9	149
91	A survey of endocrine disrupting chemicals (EDCs) in municipal sewage and animal waste effluents in the Waikato region of New Zealand. <i>Science of the Total Environment</i> , 2006 , 355, 135-44	10.2	102
90	Comparison between the effects of the phytosterol β -sitosterol and pulp and paper mill effluents on sexually immature rainbow trout. <i>Environmental Toxicology and Chemistry</i> , 1999 , 18, 329-336	3.8	100
89	Steroid estrogens, conjugated estrogens and estrogenic activity in farm dairy shed effluents. <i>Environmental Pollution</i> , 2010 , 158, 730-6	9.3	84
88	Use of a series of homologous in vitro and in vivo assays to evaluate the endocrine modulating actions of β -sitosterol in rainbow trout. <i>Aquatic Toxicology</i> , 1998 , 43, 149-162	5.1	82
87	Stir bar sorptive extraction and trace analysis of selected endocrine disruptors in water, biosolids and sludge samples by thermal desorption with gas chromatography-mass spectrometry. <i>Water Research</i> , 2008 , 42, 404-12	12.5	80
86	Modelling of the fate of selected endocrine disruptors in a municipal wastewater treatment plant in South East Queensland, Australia. <i>Chemosphere</i> , 2007 , 69, 644-54	8.4	80
85	The use of biomarkers in ecological risk assessment: recommendations from the Christchurch conference on Biomarkers in Ecotoxicology. <i>Biomarkers</i> , 2001 , 6, 1-6	2.6	80
84	Bioassay-derived androgenic and estrogenic activity in municipal sewage in Australia and New Zealand. <i>Ecotoxicology and Environmental Safety</i> , 2006 , 65, 403-11	7	76
83	Molecular genetic tools for environmental monitoring of New Zealand's aquatic habitats, past, present and the future. <i>New Zealand Journal of Marine and Freshwater Research</i> , 2013 , 47, 90-119	1.3	64
82	An assessment of endocrine activity in Australian rivers using chemical and in vitro analyses. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 12951-67	5.1	55
81	Efficacy of an advanced sewage treatment plant in southeast Queensland, Australia, to remove estrogenic chemicals. <i>Environmental Science & Technology</i> , 2005 , 39, 5781-6	10.3	50
80	Metabarcoding monitoring analysis: the pros and cons of using co-extracted environmental DNA and RNA data to assess offshore oil production impacts on benthic communities. <i>PeerJ</i> , 2017 , 5, e3347	3.1	50
79	First evaluation of foraminiferal metabarcoding for monitoring environmental impact from an offshore oil drilling site. <i>Marine Environmental Research</i> , 2016 , 120, 225-35	3.3	49
78	A national survey of trace organic contaminants in Australian rivers. <i>Journal of Environmental Quality</i> , 2014 , 43, 1702-12	3.4	49
77	A cross-taxa study using environmental DNA/RNA metabarcoding to measure biological impacts of offshore oil and gas drilling and production operations. <i>Marine Pollution Bulletin</i> , 2018 , 127, 97-107	6.7	49

76	The effects of a secondary-treated bleached kraft mill effluent on aquatic organisms as assessed by short-term and long-term laboratory tests. <i>Ecotoxicology and Environmental Safety</i> , 1995 , 31, 7-22	7	41
75	Assessment of urban stream sediment pollutants entering estuaries using chemical analysis and multiple bioassays to characterise biological activities. <i>Science of the Total Environment</i> , 2017 , 593-594, 498-507	10.2	32
74	Identification of the lampricide 3-trifluoromethyl-4-nitrophenol as an agonist for the rainbow trout estrogen receptor. <i>Environmental Toxicology and Chemistry</i> , 1998 , 17, 425-432	3.8	31
73	Exposure of reproductively maturing rainbow trout to a New Zealand pulp and paper mill effluent. <i>Ecotoxicology and Environmental Safety</i> , 2002 , 51, 65-75	7	31
72	Assessment of endocrine disruption and oxidative potential of bisphenol-A, triclosan, nonylphenol, diethylhexyl phthalate, galaxolide, and carbamazepine, common contaminants of municipal biosolids. <i>Toxicology in Vitro</i> , 2018 , 48, 342-349	3.6	29
71	Understanding the role of DNA methylation in successful biological invasions: a review. <i>Biological Invasions</i> , 2018 , 20, 2285-2300	2.7	29
70	Development of a harpacticoid copepod bioassay: selection of species and relative sensitivity to zinc, atrazine and phenanthrene. <i>Ecotoxicology and Environmental Safety</i> , 2012 , 80, 363-71	7	27
69	Anal fin morphology and gonadal histopathology in mosquitofish (<i>Gambusia holbrooki</i>) exposed to treated municipal sewage effluent. <i>Archives of Environmental Contamination and Toxicology</i> , 2006 , 50, 562-74	3.2	26
68	Assessment of heat shock and laboratory virus challenges to selectively breed for ostreid herpesvirus 1 (OshV-1) resistance in the Pacific oyster, <i>Crassostrea gigas</i> . <i>Aquaculture</i> , 2017 , 469, 50-58	4.4	24
67	Toxicity of estuarine sediments using a full life-cycle bioassay with the marine copepod <i>Robertsonia propinqua</i> . <i>Ecotoxicology and Environmental Safety</i> , 2008 , 70, 469-74	7	22
66	Benthic meiofauna community composition at polluted and non-polluted sites in New Zealand intertidal environments. <i>Marine Pollution Bulletin</i> , 2007 , 54, 1801-12	6.7	19
65	Development of methods for extraction and in vitro quantification of estrogenic and androgenic activity of wastewater samples. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2006 , 143, 117-26	3.2	18
64	Ecological impacts of long-term application of biosolids to a radiata pine plantation. <i>Science of the Total Environment</i> , 2015 , 530-531, 233-240	10.2	17
63	Kia pono te mahi putaiaoDoing science in the right spirit. <i>Journal of the Royal Society of New Zealand</i> , 2009 , 39, 239-242	2	16
62	Responses of shortfin eel (<i>Anguilla australis</i>) exposed in situ to pulp and paper effluent. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2006 , 69, 1763-79	3.2	16
61	Cumulative impacts assessment along a large river, using brown bullhead catfish (<i>Ameiurus nebulosus</i>) populations. <i>Environmental Toxicology and Chemistry</i> , 2006 , 25, 1868-80	3.8	16
60	Passive secondary biological treatment systems reduce estrogens in dairy shed effluent. <i>Environmental Science & Technology</i> , 2010 , 44, 7601-6	10.3	15
59	Monitoring the effects of pulp and paper effluent is restricted in genetically distinct populations of common bully (<i>Gobiomorphus cotidianus</i>). <i>Environmental Science & Technology</i> , 2007 , 41, 2602-8	10.3	15

58	Short-term lab exposures of immature rainbow trout (<i>Oncorhynchus mykiss</i>) to sulfite and kraft pulp-mill effluents: effects on oxidative stress and circulating sex steroids. <i>Environmental Toxicology and Chemistry</i> , 2005 , 24, 1451-61	3.8	15
57	Effects of temperature and salinity stress on DNA methylation in a highly invasive marine invertebrate, the colonial ascidian. <i>PeerJ</i> , 2018 , 6, e5003	3.1	15
56	Incorporating molecular-based functional and co-occurrence network properties into benthic marine impact assessments. <i>FEMS Microbiology Ecology</i> , 2018 , 94,	4.3	14
55	Bioactivity of POPs and their effects in mosquitofish in Sydney Olympic Park, Australia. <i>Science of the Total Environment</i> , 2009 , 407, 3721-30	10.2	14
54	Plastic additives: challenges in ecotox hazard assessment. <i>PeerJ</i> , 2021 , 9, e11300	3.1	14
53	Biosecurity implications of drifting marine plastic debris: Current knowledge and future research. <i>Marine Pollution Bulletin</i> , 2021 , 162, 111835	6.7	14
52	Histopathology, vitellogenin and chemical body burden in mosquitofish (<i>Gambusia holbrooki</i>) sampled from six river sites receiving a gradient of stressors. <i>Science of the Total Environment</i> , 2018 , 616-617, 1638-1648	10.2	13
51	Toxicity assessment of New Zealand and Pacific dinoflagellates <i>Ostreopsis</i> and <i>Gambierdiscus</i> (Dinophyceae) extracts using bioassays. <i>New Zealand Journal of Marine and Freshwater Research</i> , 2016 , 50, 444-456	1.3	13
50	Steroid estrogens and estrogenic activity are ubiquitous in dairy farm watersheds regardless of effluent management practices. <i>Agriculture, Ecosystems and Environment</i> , 2018 , 253, 48-54	5.7	13
49	Towards Sustainable Environmental Quality: Priority Research Questions for the Australasian Region of Oceania. <i>Integrated Environmental Assessment and Management</i> , 2019 , 15, 917-935	2.5	11
48	Development of acute and chronic sediment bioassays with the harpacticoid copepod <i>Quinquelaophonte</i> sp. <i>Ecotoxicology and Environmental Safety</i> , 2014 , 99, 82-91	7	11
47	Identification and characterization of freshwater algae from a pollution gradient using rbcL sequencing and toxicity testing. <i>Archives of Environmental Contamination and Toxicology</i> , 2009 , 57, 504-14 ²	3.2	11
46	Quantification of vitellogenin mRNA induction in mosquitofish (<i>Gambusia affinis</i>) by reverse transcription real-time polymerase chain reaction (RT-PCR). <i>Biomarkers</i> , 2005 , 10, 429-38	2.6	11
45	Epigenetic patterns associated with an ascidian invasion: a comparison of closely related clades in their native and introduced ranges. <i>Scientific Reports</i> , 2019 , 9, 14275	4.9	10
44	Distribution of inorganic and organic contaminants in sediments from Sydney Olympic Park and the surrounding Sydney metropolitan area. <i>Journal of Environmental Monitoring</i> , 2009 , 11, 1687-96		10
43	Benthic macroinvertebrate assemblages in remediated wetlands around Sydney, Australia. <i>Ecotoxicology</i> , 2010 , 19, 1589-600	2.9	9
42	Comparison between the effects of the phytosterol β -sitosterol and pulp and paper mill effluents on sexually immature rainbow trout 1999 , 18, 329		9
41	Effects of pristine microplastics and nanoplastics on soil invertebrates: A systematic review and meta-analysis of available data. <i>Science of the Total Environment</i> , 2021 , 788, 147784	10.2	9

40	Assessment of cytotoxicity, genotoxicity and 7-ethoxyresorufin-O-deethylase (EROD) induction in sediment extracts from New Zealand urban estuaries. <i>Ecotoxicology</i> , 2017 , 26, 211-226	2.9	8
39	UV-induced photodegradation of oseltamivir (Tamiflu) in water. <i>Environmental Chemistry</i> , 2011 , 8, 182	3.2	8
38	The impact of variations of influent loading on the efficacy of an advanced tertiary sewage treatment plant to remove endocrine disrupting chemicals. <i>Science of the Total Environment</i> , 2016 , 560-561, 101-9	10.2	8
37	Towards more ecologically relevant investigations of the impacts of microplastic pollution in freshwater ecosystems. <i>Science of the Total Environment</i> , 2021 , 792, 148507	10.2	8
36	Assessing the potential for trace organic contaminants commonly found in Australian rivers to induce vitellogenin in the native rainbowfish (<i>Melanotaenia fluviatilis</i>) and the introduced mosquitofish (<i>Gambusia holbrooki</i>). <i>Aquatic Toxicology</i> , 2017 , 185, 105-120	5.1	7
35	Contamination and screening level toxicity of sediments from remediated and unremediated wetlands near Sydney, Australia. <i>Environmental Toxicology and Chemistry</i> , 2009 , 28, 2052-60	3.8	7
34	Zinc sulfate and atrazine toxicity to the marine harpacticoid copepod <i>Robertsonia propinqua</i> . <i>New Zealand Journal of Marine and Freshwater Research</i> , 2008 , 42, 93-98	1.3	7
33	Effects of chronic exposure to benzophenone and diclofenac on DNA methylation levels and reproductive success in a marine copepod. <i>Journal of Xenobiotics</i> , 2018 , 8, 7674	1	7
32	Antifouling activity of portimine, select semisynthetic analogues, and other microalga-derived spirocyclic imines. <i>Biofouling</i> , 2018 , 34, 950-961	3.3	7
31	Impact of pharmaceuticals on the environment 2016 , 109-152		6
30	Household preferences when purchasing handwashing liquid soap: A choice experiment application. <i>Journal of Cleaner Production</i> , 2019 , 235, 1515-1524	10.3	5
29	Effects of environmental gradients on the distribution of harpacticoid copepods in an intertidal flat, Portobello Bay, Otago Harbour, New Zealand. <i>New Zealand Journal of Marine and Freshwater Research</i> , 2012 , 46, 385-397	1.3	5
28	Per- and polyfluoroalkyl substances (PFAS), trace elements and life history parameters of mass-stranded common dolphins (<i>Delphinus delphis</i>) in New Zealand. <i>Marine Pollution Bulletin</i> , 2021 , 173, 112896	6.7	5
27	Integration of community structure data reveals observable effects below sediment guideline thresholds in a large estuary. <i>Environmental Sciences: Processes and Impacts</i> , 2017 , 19, 1134-1141	4.3	3
26	Development of acute and chronic toxicity bioassays using the pelagic copepod <i>Gladioferens pectinatus</i> . <i>Ecotoxicology and Environmental Safety</i> , 2019 , 174, 611-617	7	3
25	Detection and presence of pharmaceuticals in the environment 2016 , 77-107		3
24	The role of emerging organic contaminants in the development of antimicrobial resistance. <i>Emerging Contaminants</i> , 2021 , 7, 160-171	5.8	3
23	Assessment of the ecotoxicity of urban estuarine sediment using benthic and pelagic copepod bioassays. <i>PeerJ</i> , 2018 , 6, e4936	3.1	3

22	Characterization of the effects of triclosan on sperm and embryos of <i>Mytilus</i> and <i>Perna</i> mussel species.. <i>Aquatic Toxicology</i> , 2022 , 245, 106107	5.1	2
21	Medicating the environment? A critical review on the risks of carbamazepine, diclofenac and ibuprofen to aquatic organisms. <i>Environmental Advances</i> , 2022 , 7, 100164	3.5	2
20	Acute toxicity of arsenic to larvae of four New Zealand freshwater insect taxa. <i>New Zealand Journal of Marine and Freshwater Research</i> , 2017 , 51, 443-454	1.3	1
19	Assessment of the Impacts of Anthropogenic Activities on a Large River Using Longfin Eel as a Bioindicator. <i>Sustainability</i> , 2020 , 12, 8412	3.6	1
18	Identification of the lampricide 3-trifluoromethyl-4-nitrophenol as an agonist for the rainbow trout estrogen receptor 1998 , 17, 425		1
17	Degradation of pharmaceuticals in wastewater 2016 , 153-202		1
16	Quinquelaophonte <i>Aurantius</i> sp. nov., a new harpacticoid species (Copepoda: Harpacticoida: Laophontidae: Quinquelaophonte) from New Zealand. <i>New Zealand Journal of Zoology</i> , 2019 , 46, 301-320	0.8	1
15	Characterisation of the expression of select genes in response to key marine pollutants in the triplefin <i>Forsterygion capito</i> . <i>New Zealand Journal of Marine and Freshwater Research</i> , 2021 , 55, 486-496	1.3	1
14	Induction of metallothionein in the common bully (<i>Gobiomorphus cotidianus</i>) from the Motueka River. <i>New Zealand Journal of Marine and Freshwater Research</i> , 2021 , 55, 497-503	1.3	1
13	Assessment of the efficacy of an advanced tertiary sewage treatment plant to remove biologically active chemicals using endocrine and genotoxicity bioassays. <i>Emerging Contaminants</i> , 2021 , 7, 124-131	5.8	1
12	First transcriptome of the copepod <i>Gladioferens pectinatus</i> subjected to chronic contaminant exposures.. <i>Aquatic Toxicology</i> , 2021 , 243, 106069	5.1	0
11	Trace Metal Residues in Marine Mussels: A Global Survey. <i>Environmental Toxicology and Chemistry</i> , 2021 , 40, 3434-3440	3.8	0
10	The relationship of feed intake, growth, nutrient retention, and oxygen consumption to feed conversion ratio of farmed saltwater Chinook salmon (<i>Oncorhynchus tshawytscha</i>). <i>Aquaculture</i> , 2022 , 554, 738184	4.4	0
9	Disentangling the influence of microplastics and their chemical additives on a model detritivore system. <i>Environmental Pollution</i> , 2022 , 307, 119558	9.3	0
8	Assessment of chemical and physical treatments to selectively kill non-indigenous freshwater zooplankton species. <i>New Zealand Journal of Marine and Freshwater Research</i> , 2019 , 53, 97-112	1.3	
7	Assessing the Efficacy of a Sediment Remediation Program Using Benthic and Pelagic Copepod Bioassays. <i>Environmental Toxicology and Chemistry</i> , 2020 , 39, 492-499	3.8	
6	Development and Deployment of a Framework to Prioritize Environmental Contamination Issues. <i>Sustainability</i> , 2020 , 12, 9393	3.6	
5	Green chemistry, green pharmacy, and life-cycle assessments 2016 , 229-242		

4 Disposal of unused medications **2016**, 59-76

3 Regulatory practices to control the discharge of pharmaceuticals into the environment **2016**, 203-228

2 Prescribing practices **2016**, 15-58

1 Effects of point source discharges on common bully (*Gobiomorphus cotidianus*) along the Waikato River, New Zealand. *New Zealand Journal of Marine and Freshwater Research*, 1-17

1.3