

Louis A Tremblay

List of Publications by Year in descending order

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95
papers

2,946
citations

186209

28
h-index

182361

51
g-index

99
all docs

99
docs citations

99
times ranked

3265
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of Five in Vitro Bioassays to Measure Estrogenic Activity in Environmental Waters. <i>Environmental Science & Technology</i> , 2010, 44, 3853-3860.	4.6	176
2	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, 654-669.	4.8	168
3	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, 135-144.	3.9	123
4	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.	2.2	112
5	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.	2.3	102
6	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.	0.9	101
7	Steroid estrogens, conjugated estrogens and estrogenic activity in farm dairy shed effluents. <i>Environmental Pollution</i> , 2010, 158, 730-736.	3.7	96
8	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.	1.9	95
9	The use of biomarkers in ecological risk assessment: recommendations from the Christchurch conference on Biomarkers in Ecotoxicology. <i>Biomarkers</i> , 2001, 6, 1-6.	0.9	95
10	Modelling of the fate of selected endocrine disruptors in a municipal wastewater treatment plant in South East Queensland, Australia. <i>Chemosphere</i> , 2007, 69, 644-654.	4.2	90
11	Bioassay-derived androgenic and estrogenic activity in municipal sewage in Australia and New Zealand. <i>Ecotoxicology and Environmental Safety</i> , 2006, 65, 403-411.	2.9	88
12	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, 404-412.	5.3	85
13	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.	0.8	78
14	First evaluation of foraminiferal metabarcoding for monitoring environmental impact from an offshore oil drilling site. <i>Marine Environmental Research</i> , 2016, 120, 225-235.	1.1	67
15	Plastic additives: challenges in ecotox hazard assessment. <i>PeerJ</i> , 2021, 9, e11300.	0.9	66
16	An assessment of endocrine activity in Australian rivers using chemical and in vitro analyses. <i>Environmental Science and Pollution Research</i> , 2014, 21, 12951-12967.	2.7	62
17	A National Survey of Trace Organic Contaminants in Australian Rivers. <i>Journal of Environmental Quality</i> , 2014, 43, 1702-1712.	1.0	60
18	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.	2.9	57

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19	Efficacy of an Advanced Sewage Treatment Plant in Southeast Queensland, Australia, to Remove Estrogenic Chemicals. <i>Environmental Science & Technology</i> , 2005, 39, 5781-5786.	4.6	54
20	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.	1.7	54
21	Understanding the role of DNA methylation in successful biological invasions: a review. <i>Biological Invasions</i> , 2018, 20, 2285-2300.	1.2	51
22	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.	3.9	49
23	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.	1.1	48
24	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.	2.9	43
25	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.	3.9	36
26	Towards more ecologically relevant investigations of the impacts of microplastic pollution in freshwater ecosystems. <i>Science of the Total Environment</i> , 2021, 792, 148507.	3.9	35
27	The role of emerging organic contaminants in the development of antimicrobial resistance. <i>Emerging Contaminants</i> , 2021, 7, 160-171.	2.2	32
28	Effects of temperature and salinity stress on DNA methylation in a highly invasive marine invertebrate, the colonial ascidian <i>Didemnum vexillum</i> . <i>PeerJ</i> , 2018, 6, e5003.	0.9	32
29	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.	2.2	31
30	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, 562-574.	2.1	30
31	Biosecurity implications of drifting marine plastic debris: Current knowledge and future research. <i>Marine Pollution Bulletin</i> , 2021, 162, 111835.	2.3	30
32	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.	1.6	29
33	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, 363-371.	2.9	28
34	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.	3.9	27
35	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, 117-126.	1.3	25
36	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, 469-474.	2.9	23

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37	Medicating the environment? A critical review on the risks of carbamazepine, diclofenac and ibuprofen to aquatic organisms. <i>Environmental Advances</i> , 2022, 7, 100164.	2.2	23
38	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, 1763-1779.	1.1	22
39	Incorporating molecular-based functional and co-occurrence network properties into benthic marine impact assessments. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	1.3	22
40	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.	2.5	21
41	Passive Secondary Biological Treatment Systems Reduce Estrogens in Dairy Shed Effluent. <i>Environmental Science & Technology</i> , 2010, 44, 7601-7606.	4.6	20
42	CUMULATIVE IMPACTS ASSESSMENT ALONG A LARGE RIVER, USING BROWN BULLHEAD CATFISH (<i>AMEIURUS</i>) Tj	2.2	19
43	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, 2602-2608.	4.6	19
44	Benthic meiofauna community composition at polluted and non-polluted sites in New Zealand intertidal environments. <i>Marine Pollution Bulletin</i> , 2007, 54, 1801-1812.	2.3	19
45	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.	3.9	19
46	Towards Sustainable Environmental Quality: Priority Research Questions for the Australasian Region of Oceania. <i>Integrated Environmental Assessment and Management</i> , 2019, 15, 917-935.	1.6	19
47	Kia pono te mahi putaiaoa€”doing science in the right spirit. <i>Journal of the Royal Society of New Zealand</i> , 2009, 39, 239-242.	1.0	18
48	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.	2.3	18
49	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.	2.2	17
50	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.	1.7	17
51	Bioactivity of POPs and their effects in mosquitofish in Sydney Olympic Park, Australia. <i>Science of the Total Environment</i> , 2009, 407, 3721-3730.	3.9	16
52	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.	2.9	15
53	Impact of pharmaceuticals on the environment. , 2016, , 109-152.		14
54	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.	0.8	14

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55	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.	1.9	14
56	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, 101-109.	3.9	13
57	Benthic macroinvertebrate assemblages in remediated wetlands around Sydney, Australia. <i>Ecotoxicology</i> , 2010, 19, 1589-1600.	1.1	12
58	Household preferences when purchasing handwashing liquid soap: A choice experiment application. <i>Journal of Cleaner Production</i> , 2019, 235, 1515-1524.	4.6	12
59	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, 429-438.	0.9	11
60	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, 504-514.	2.1	11
61	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.	1.1	11
62	Antifouling activity of portimine, select semisynthetic analogues, and other microalga-derived spirocyclic imines. <i>Biofouling</i> , 2018, 34, 950-961.	0.8	11
63	Disentangling the influence of microplastics and their chemical additives on a model detritivore system. <i>Environmental Pollution</i> , 2022, 307, 119558.	3.7	11
64	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.	2.1	10
65	UV-induced photodegradation of oseltamivir (Tamiflu) in water. <i>Environmental Chemistry</i> , 2011, 8, 182.	0.7	10
66	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.	0.8	9
67	COMPARISON BETWEEN THE EFFECTS OF THE PHYTOSTEROL Î ² -SITOSTEROL AND PULP AND PAPER MILL EFFLUENTS ON SEXUALLY IMMATURE RAINBOW TROUT. <i>Environmental Toxicology and Chemistry</i> , 1999, 18, 329.	2.2	9
68	Contamination and screening level toxicity of sediments from remediated and unremediated wetlands near Sydney, Australia. <i>Environmental Toxicology and Chemistry</i> , 2009, 28, 2052-2060.	2.2	8
69	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.	1.9	8
70	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.	2.9	8
71	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.	2.9	8
72	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.	0.8	7

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73	Assessment of the ecotoxicity of urban estuarine sediment using benthic and pelagic copepod bioassays. PeerJ, 2018, 6, e4936.	0.9	5
74	Investigating the Ecotoxicity of Select Emerging Organic Contaminants Toward the Marine Copepod <i>Gladioferens pectinatus</i> . Environmental Toxicology and Chemistry, 2022, 41, 792-799.	2.2	5
75	Detection and presence of pharmaceuticals in the environment. , 2016, , 77-107.		4
76	Integration of community structure data reveals observable effects below sediment guideline thresholds in a large estuary. Environmental Sciences: Processes and Impacts, 2017, 19, 1134-1141.	1.7	4
77	Quinquelaophonte Aurantius sp. nov., a new harpacticoid species (Copepoda: Harpacticoida: Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 301-320.	0.6	4
78	Trace Metal Residues in Marine Mussels: A Global Survey. Environmental Toxicology and Chemistry, 2021, 40, 3434-3440.	2.2	4
79	First transcriptome of the copepod <i>Gladioferens pectinatus</i> subjected to chronic contaminant exposures. Aquatic Toxicology, 2022, 243, 106069.	1.9	3
80	Degradation of pharmaceuticals in wastewater. , 2016, , 153-202.		2
81	Acute toxicity of arsenic to larvae of four New Zealand freshwater insect taxa. New Zealand Journal of Marine and Freshwater Research, 2017, 51, 443-454.	0.8	2
82	Assessment of the Impacts of Anthropogenic Activities on a Large River Using Longfin Eel as a Bioindicator. Sustainability, 2020, 12, 8412.	1.6	2
83	Induction of metallothionein in the common bully (<i>Gobiomorphus cotidianus</i>) from the Motueka River. New Zealand Journal of Marine and Freshwater Research, 2021, 55, 497-503.	0.8	2
84	Assessment of the efficacy of an advanced tertiary sewage treatment plant to remove biologically active chemicals using endocrine and genotoxicity bioassays. Emerging Contaminants, 2021, 7, 124-131.	2.2	2
85	Key Challenges to the Effective Management of Pollutants in Water and Sediment. Toxics, 2022, 10, 219.	1.6	2
86	Green chemistry, green pharmacy, and life-cycle assessments. , 2016, , 229-242.		1
87	Disposal of unused medications. , 2016, , 59-76.		1
88	Prescribing practices. , 2016, , 15-58.		1
89	Development and Deployment of a Framework to Prioritize Environmental Contamination Issues. Sustainability, 2020, 12, 9393.	1.6	1
90	Characterisation of the expression of select genes in response to key marine pollutants in the triplefin <i>Forsterygion capito</i> . New Zealand Journal of Marine and Freshwater Research, 2021, 55, 486-496.	0.8	1

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91	Effects of point source discharges on common bully (<i>Gobiomorphus cotidianus</i>) along the Waikato River, New Zealand. <i>New Zealand Journal of Marine and Freshwater Research</i> , 2022, 56, 150-166.	0.8	1
92	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.	2.2	1
93	Regulatory practices to control the discharge of pharmaceuticals into the environment. , 2016, , 203-228.		0
94	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.	0.8	0
95	Assessing the Efficacy of a Sediment Remediation Program Using Benthic and Pelagic Copepod Bioassays. <i>Environmental Toxicology and Chemistry</i> , 2020, 39, 492-499.	2.2	0