

# Gerald A Leblanc

## List of Publications by Year in descending order

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103  
papers

6,352  
citations

44042

48  
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66879

78  
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104  
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104  
docs citations

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times ranked

5169  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thyroid-like hormone signaling in invertebrates and its potential role in initial screening of thyroid hormone system disrupting chemicals. <i>Integrated Environmental Assessment and Management</i> , 2023, 19, 63-82.	1.6	4
2	A Crab Is Not a Fish: Unique Aspects of the Crustacean Endocrine System and Considerations for Endocrine Toxicology. <i>Frontiers in Endocrinology</i> , 2021, 12, 587608.	1.5	15
3	A proposed nomenclature for microplastic contaminants. <i>Marine Pollution Bulletin</i> , 2021, 172, 112960.	2.3	5
4	Endocrine Disruption in Invertebrates: A Survey of Research Progress. <i>Environmental Science &amp; Technology</i> , 2020, 54, 13365-13369.	4.6	27
5	Investigation of the microplastics profile in sludge from China's largest Water reclamation plant using a feasible isolation device. <i>Journal of Hazardous Materials</i> , 2020, 388, 122067.	6.5	84
6	Involvement of glutamate and serotonin transmitter systems in male sex determination in <i>Daphnia pulex</i> . <i>Journal of Insect Physiology</i> , 2020, 121, 104015.	0.9	6
7	An effective method for evaluation of microplastic contaminant in gastropod from Taihu Lake, China. <i>Environmental Science and Pollution Research</i> , 2020, 27, 22878-22887.	2.7	20
8	Complementary roles of photoperiod and temperature in environmental sex determination in <i>Daphnia</i> spp. <i>Journal of Experimental Biology</i> , 2019, 222, .	0.8	15
9	The role of nuclear receptor E75 in regulating the molt cycle of <i>Daphnia magna</i> and consequences of its disruption. <i>PLoS ONE</i> , 2019, 14, e0221642.	1.1	6
10	No impacts of microcystins on wild freshwater snail <i>Bellamya Aeruginosa</i> fecundity from a eutrophic lake. <i>Environmental Toxicology and Pharmacology</i> , 2018, 60, 165-168.	2.0	4
11	Hemoglobin Levels Modulate Nitrite Toxicity to <i>Daphnia magna</i> . <i>Scientific Reports</i> , 2018, 8, 7172.	1.6	15
12	Agonist-mediated assembly of the crustacean methyl farnesoate receptor. <i>Scientific Reports</i> , 2017, 7, 45071.	1.6	13
13	Validation of a two-generational reproduction test in <i>Daphnia magna</i> : An interlaboratory exercise. <i>Science of the Total Environment</i> , 2017, 579, 1073-1083.	3.9	29
14	Ligand-Mediated Receptor Assembly as an End Point for High-Throughput Chemical Toxicity Screening. <i>Environmental Science &amp; Technology</i> , 2017, 51, 9327-9333.	4.6	6
15	Preliminary evidence for snail deformation from a Eutrophic lake. <i>Environmental Toxicology and Pharmacology</i> , 2017, 53, 219-226.	2.0	9
16	Continuous Structured Population Models for <i>Daphnia magna</i> . <i>Bulletin of Mathematical Biology</i> , 2017, 79, 2627-2648.	0.9	4
17	Retrospective: Acute Toxicity of Priority Pollutants. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2016, 97, 301-302.	1.3	2
18	Males on demand: the environmental "neuro"endocrine control of male sex determination in daphnids. <i>FEBS Journal</i> , 2015, 282, 4080-4093.	2.2	55

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19	Estimation of time-varying mortality rates using continuous models for <i>Daphnia magna</i> . <i>Applied Mathematics Letters</i> , 2015, 44, 12-16.	1.5	5
20	Estrogen alters the profile of the transcriptome in river snail <i>Bellamya aeruginosa</i> . <i>Ecotoxicology</i> , 2015, 24, 330-338.	1.1	8
21	Statistical validation of structured population models for <i>Daphnia magna</i> . <i>Mathematical Biosciences</i> , 2015, 266, 73-84.	0.9	11
22	Endocrine regulation of predator-induced phenotypic plasticity. <i>Oecologia</i> , 2014, 176, 625-635.	0.9	21
23	A Transgenerational Endocrine Signaling Pathway in Crustacea. <i>PLoS ONE</i> , 2013, 8, e61715.	1.1	36
24	Regulation and dysregulation of vitellogenin mRNA accumulation in daphnids ( <i>Daphnia magna</i> ). <i>Aquatic Toxicology</i> , 2011, 101, 351-357.	1.9	87
25	Tributyltin Synergizes with 20-Hydroxyecdysone to Produce Endocrine Toxicity. <i>Toxicological Sciences</i> , 2011, 123, 71-79.	1.4	41
26	Environmental-endocrine control of reproductive maturation in gastropods: implications for the mechanism of tributyltin-induced imposex in prosobranchs. <i>Ecotoxicology</i> , 2010, 19, 4-23.	1.1	91
27	Interactions of the crustacean nuclear receptors HR3 and E75 in the regulation of gene transcription. <i>General and Comparative Endocrinology</i> , 2010, 167, 268-278.	0.8	17
28	Expression and ecdysteroid responsiveness of the nuclear receptors HR3 and E75 in the crustacean <i>Daphnia magna</i> . <i>Molecular and Cellular Endocrinology</i> , 2010, 315, 208-218.	1.6	43
29	Intracellular Conversion of Environmental Nitrate and Nitrite to Nitric Oxide with Resulting Developmental Toxicity to the Crustacean <i>Daphnia magna</i> . <i>PLoS ONE</i> , 2010, 5, e12453.	1.1	45
30	Annotation, phylogenetics, and expression of the nuclear receptors in <i>Daphnia pulex</i> . <i>BMC Genomics</i> , 2009, 10, 500.	1.2	76
31	Interactions of methyl farnesoate and related compounds with a crustacean retinoid X receptor. <i>Molecular and Cellular Endocrinology</i> , 2009, 309, 109-116.	1.6	54
32	The contribution of steroidal androgens and estrogens to reproductive maturation of the eastern mud snail <i>Ilyanassa obsoleta</i> . <i>General and Comparative Endocrinology</i> , 2008, 156, 15-26.	0.8	57
33	Environmental cues trigger seasonal regression of primary and accessory sex organs of the mud snail, <i>Ilyanassa obsoleta</i> . <i>Journal of Molluscan Studies</i> , 2008, 74, 301-303.	0.4	8
34	Synchronized Expression of Retinoid X Receptor mRNA with Reproductive Tract Recrudescence in an Imposex-Susceptible Mollusc. <i>Environmental Science &amp; Technology</i> , 2008, 42, 1345-1351.	4.6	50
35	Sensitivity of Fetal Rat Testicular Steroidogenesis to Maternal Prochloraz Exposure and the Underlying Mechanism of Inhibition. <i>Toxicological Sciences</i> , 2007, 97, 512-519.	1.4	49
36	Prochloraz Inhibits Testosterone Production at Dosages below Those that Affect Androgen-Dependent Organ Weights or the Onset of Puberty in the Male Sprague Dawley Rat. <i>Toxicological Sciences</i> , 2007, 97, 65-74.	1.4	62

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37	The Environmental-Endocrine Basis of Gynandromorphism (Intersex) in a Crustacean. <i>International Journal of Biological Sciences</i> , 2007, 3, 77-84.	2.6	51
38	Cloning and characterization of the retinoid X receptor from a primitive crustacean <i>Daphnia magna</i> . <i>General and Comparative Endocrinology</i> , 2007, 150, 309-318.	0.8	57
39	An ecological assessment of bisphenol-A: Evidence from comparative biology. <i>Reproductive Toxicology</i> , 2007, 24, 225-239.	1.3	453
40	Crustacean endocrine toxicology: a review. <i>Ecotoxicology</i> , 2007, 16, 61-81.	1.1	246
41	Kinetic characterization of the inhibition of acyl coenzyme A: Steroid acyltransferases by tributyltin in the eastern mud snail ( <i>Ilyanassa obsoleta</i> ). <i>Aquatic Toxicology</i> , 2006, 78, 233-242.	1.9	29
42	A candidate juvenoid hormone receptor cis-element in the <i>Daphnia magna</i> hb2 hemoglobin gene promoter. <i>Molecular and Cellular Endocrinology</i> , 2006, 247, 91-102.	1.6	33
43	Chemical Mixtures: Greater-than-Additive Effects?. <i>Environmental Health Perspectives</i> , 2006, 114, A517-8; author reply A518-9.	2.8	12
44	Atrazine Stimulates Hemoglobin Accumulation in <i>Daphnia magna</i> : Is it Hormonal or Hypoxic?. <i>Toxicological Sciences</i> , 2006, 93, 443-449.	1.4	18
45	Stress signaling: coregulation of hemoglobin and male sex determination through a terpenoid signaling pathway in a crustacean. <i>Journal of Experimental Biology</i> , 2005, 208, 15-23.	0.8	76
46	COVERT SIGNAL DISRUPTION: ANTI-ECDYSTEROIDAL ACTIVITY OF BISPHENOL A INVOLVES CROSS TALK BETWEEN SIGNALING PATHWAYS. <i>Environmental Toxicology and Chemistry</i> , 2005, 24, 146.	2.2	63
47	Testosterone-Fatty Acid Esterification: A Unique Target for the Endocrine Toxicity of Tributyltin to Gastropods. <i>Integrative and Comparative Biology</i> , 2005, 45, 81-87.	0.9	24
48	An Integrated Addition and Interaction Model for Assessing Toxicity of Chemical Mixtures. <i>Toxicological Sciences</i> , 2005, 87, 520-528.	1.4	128
49	The screening of chemicals for juvenoid-related endocrine activity using the water flea <i>Daphnia magna</i> . <i>Aquatic Toxicology</i> , 2005, 74, 193-204.	1.9	53
50	Joint action of polycyclic aromatic hydrocarbons: Predictive modeling of sublethal toxicity. <i>Aquatic Toxicology</i> , 2005, 75, 253-262.	1.9	41
51	Evaluating the Toxicity of Chemical Mixtures. <i>Environmental Health Perspectives</i> , 2004, 112, A729-30.	2.8	8
52	Interactive Effects of Vinclozolin and Testosterone Propionate on Pregnancy and Sexual Differentiation of the Male and Female SD Rat. <i>Toxicological Sciences</i> , 2004, 78, 135-143.	1.4	56
53	Non-target toxicology of a new mosquito larvicide, trypsin modulating oostatic factor. <i>Pesticide Biochemistry and Physiology</i> , 2004, 80, 131-142.	1.6	6
54	SYNERGISTIC INTERACTION OF ENDOCRINE-DISRUPTING CHEMICALS: MODEL DEVELOPMENT USING AN ECDYSONE RECEPTOR ANTAGONIST AND A HORMONE SYNTHESIS INHIBITOR. <i>Environmental Toxicology and Chemistry</i> , 2004, 23, 1085.	2.2	60

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55	Cross communication between signaling pathways: Juvenoid hormones modulate ecdysteroid activity in a crustacean. <i>The Journal of Experimental Zoology</i> , 2004, 301A, 793-801.	1.4	59
56	Insecticidal juvenile hormone analogs stimulate the production of male offspring in the crustacean <i>Daphnia magna</i> . <i>Environmental Health Perspectives</i> , 2003, 111, 919-924.	2.8	134
57	The biocide tributyltin reduces the accumulation of testosterone as fatty acid esters in the mud snail ( <i>Ilyanassa obsoleta</i> ). <i>Environmental Health Perspectives</i> , 2003, 111, 426-430.	2.8	96
58	Effects of Prenatal Testosterone Propionate on the Sexual Development of Male and Female Rats: A Dose-Response Study. <i>Toxicological Sciences</i> , 2002, 65, 71-86.	1.4	186
59	Developmental toxicity of testosterone in the crustacean <i>Daphnia magna</i> involves anti-ecdysteroidal activity. <i>General and Comparative Endocrinology</i> , 2002, 129, 127-133.	0.8	56
60	Environmental anti-ecdysteroids alter embryo development in the crustacean <i>Daphnia magna</i> . <i>The Journal of Experimental Zoology</i> , 2002, 292, 287-292.	1.4	89
61	Juvenoid hormone methyl farnesoate is a sex determinant in the crustacean <i>Daphnia magna</i> . <i>The Journal of Experimental Zoology</i> , 2002, 293, 736-739.	1.4	209
62	Temporal and quantitative changes in sexual reproductive cycling of the cladoceran <i>Daphnia magna</i> by a juvenile hormone analog. <i>The Journal of Experimental Zoology</i> , 2001, 290, 148-155.	1.4	49
63	The fungicide propiconazole interferes with embryonic development of the crustacean <i>Daphnia magna</i> . <i>Environmental Toxicology and Chemistry</i> , 2001, 20, 502-509.	2.2	82
64	Biotransformation and Disposition of Testosterone in the Eastern Mud Snail <i>Ilyanassa obsoleta</i> . <i>General and Comparative Endocrinology</i> , 2001, 122, 172-180.	0.8	86
65	Neonatal Low- and High-Dose Exposure to Estradiol Benzoate in the Male Rat: I. Effects on the Prostate Gland. <i>Biology of Reproduction</i> , 2001, 65, 1496-1505.	1.2	76
66	Neonatal Low- and High-Dose Exposure to Estradiol Benzoate in the Male Rat: II. Effects on Male Puberty and the Reproductive Tract. <i>Biology of Reproduction</i> , 2001, 65, 1506-1517.	1.2	65
67	THE FUNGICIDE PROPICONAZOLE INTERFERES WITH EMBRYONIC DEVELOPMENT OF THE CRUSTACEAN <i>DAPHNIA MAGNA</i> . <i>Environmental Toxicology and Chemistry</i> , 2001, 20, 502.	2.2	51
68	Fathead minnow vitellogenin: Complementary DNA sequence and messenger RNA and protein expression after 17 $\beta$ -estradiol treatment. <i>Environmental Toxicology and Chemistry</i> , 2000, 19, 972-981.	2.2	133
69	Effects of endocrine-active chemicals on the development of sex characteristics of <i>Daphnia magna</i> . <i>Environmental Toxicology and Chemistry</i> , 2000, 19, 2107-2113.	2.2	92
70	Characterization of the Period of Sensitivity of Fetal Male Sexual Development to Vinclozolin. <i>Toxicological Sciences</i> , 2000, 55, 152-161.	1.4	156
71	Changes in the Metabolic Elimination Profile of Testosterone Following Exposure of the Crustacean <i>Daphnia magna</i> to Tributyltin. <i>Ecotoxicology and Environmental Safety</i> , 2000, 45, 296-303.	2.9	23
72	Imposex in Three Marine Gastropod Species in Chile and Potential Impact on Muriciculture. <i>Marine Pollution Bulletin</i> , 1999, 38, 1227-1231.	2.3	35

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73	Involvement of Multiple Biotransformation Processes in the Metabolic Elimination of Testosterone by Juvenile and Adult Fathead Minnows ( <i>Pimephales promelas</i> ). <i>General and Comparative Endocrinology</i> , 1998, 112, 69-79.	0.8	29
74	Endosulfan Elevates Testosterone Biotransformation and Clearance in CD-1 Mice. <i>Toxicology and Applied Pharmacology</i> , 1998, 148, 158-168.	1.3	60
75	Two Pimarane Diterpenoids from <i>Ephemerantha lonchophylla</i> and Their Evaluation as Modulators of the Multidrug Resistance Phenotype. <i>Journal of Natural Products</i> , 1998, 61, 112-115.	1.5	26
76	Altered Metabolic Elimination of Testosterone and Associated Toxicity Following Exposure of <i>Daphnia magna</i> to Nonylphenol Polyethoxylate. <i>Ecotoxicology and Environmental Safety</i> , 1998, 39, 104-111.	2.9	46
77	Pesticides: multiple mechanisms of demasculinization. <i>Molecular and Cellular Endocrinology</i> , 1997, 126, 1-5.	1.6	61
78	METABOLIC ANDROGENIZATION OF FEMALE DAPHNIA MAGNA BY THE XENOESTROGEN 4-NONYLPHENOL. <i>Environmental Toxicology and Chemistry</i> , 1997, 16, 1905.	2.2	53
79	Reductions in steroid hormone biotransformation/elimination as a biomarker of pentachlorophenol chronic toxicity. <i>Aquatic Toxicology</i> , 1996, 34, 291-303.	1.9	47
80	Mobilization of Pentachlorophenol by Glutathione S-Transferase $\uparrow$ Increases Cellular Toxicity. <i>Pesticide Biochemistry and Physiology</i> , 1996, 54, 65-72.	1.6	3
81	Interaction of Structurally Diverse Pesticides with the Human Gene Product P-Glycoprotein. <i>Toxicology and Applied Pharmacology</i> , 1996, 141, 288-298.	1.3	44
82	Trophic-Level Differences in the Bioconcentration of Chemicals: Implications in Assessing Environmental Biomagnification. <i>Environmental Science &amp; Technology</i> , 1995, 29, 154-160.	4.6	114
83	Identification of multiple steroid hydroxylases in <i>Daphnia magna</i> and their modulation by xenobiotics. <i>Environmental Toxicology and Chemistry</i> , 1994, 13, 1013-1021.	2.2	84
84	Hepatic vectorial transport of xenobiotics. <i>Chemico-Biological Interactions</i> , 1994, 90, 101-120.	1.7	28
85	Hypocholesterolemic properties of plant indoles. <i>Biochemical Pharmacology</i> , 1994, 47, 359-364.	2.0	19
86	In vivo biotransformation of testosterone by phase I and II detoxication enzymes and their modulation by 20-hydroxyecdysone in <i>Daphnia magna</i> . <i>Aquatic Toxicology</i> , 1994, 29, 103-117.	1.9	76
87	Elevation of serum cholesterol levels in mice by the antioxidant butylated hydroxyanisole. <i>Biochemical Pharmacology</i> , 1993, 45, 513-515.	2.0	6
88	The anti-carcinogenic plant compound indole-3-carbinol differentially modulates P450-mediated steroid hydroxylase activities in mice. <i>Chemico-Biological Interactions</i> , 1992, 83, 155-169.	1.7	54
89	Hormonal perturbations in patients with testicular cancer treated with cisplatin. <i>Cancer</i> , 1992, 69, 2306-2310.	2.0	19
90	Pituitary Regulation of the Male-Specific Steroid 6 $\beta$ -Hydroxylase P-450 2a (gene product IIIA2) in Adult Rat Liver. Suppressive Influence of Growth Hormone and Thyroxine Acting at a Pretranslational Level. <i>Molecular Endocrinology</i> , 1990, 4, 447-454.	3.7	86

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91	Suppression of male-specific cytochrome P450 2c and its mRNA by 3,4,5,3,4,5-hexachlorobiphenyl in rat liver is not causally related to changes in serum testosterone. Archives of Biochemistry and Biophysics, 1989, 271, 508-514.	1.4	12
92	Relationships between the structures of chlorinated phenols, their toxicity, and their ability to induce glutathione S-transferase activity in Daphnia magna. Aquatic Toxicology, 1988, 12, 147-155.	1.9	16
93	A rapid method for staining proteins in acrylamide gels. Analytical Biochemistry, 1987, 161, 172-175.	1.1	14
94	The genetics of xenobiotic metabolism in Drosophila. Insect Biochemistry, 1987, 17, 731-738.	1.8	50
95	Genetics of xenobiotic metabolism in drosophila. Biochemical Pharmacology, 1986, 35, 1679-1684.	2.0	11
96	Effects of copper on the competitive interactions of two species of cladocera. Environmental Pollution Series A, Ecological and Biological, 1985, 37, 13-25.	0.8	14
97	Antimony and thallium toxicity to embryos and larvae of fathead minnows (Pimephales promelas). Bulletin of Environmental Contamination and Toxicology, 1984, 32, 565-569.	1.3	18
98	Interspecies relationships in acute toxicity of chemicals to aquatic organisms. Environmental Toxicology and Chemistry, 1984, 3, 47-60.	2.2	95
99	The acute and chronic toxicity of acetone, dimethyl formamide, and triethylene glycol to Daphnia magna (Straus). Archives of Environmental Contamination and Toxicology, 1983, 12, 305-310.	2.1	39
100	Laboratory investigation into the development of resistance of Daphnia magna (Straus) to environmental pollutants. Environmental Pollution Series A, Ecological and Biological, 1982, 27, 309-322.	0.8	88
101	Acute toxicity of priority pollutants to water flea (Daphnia magna). Bulletin of Environmental Contamination and Toxicology, 1980, 24, 684-691.	1.3	212
102	An environmental safety assessment of butyl benzyl phthalate. Environmental Science & Technology, 1980, 14, 301-305.	4.6	128
103	Utilization of bacterial colony counters to count early instar water fleas (Daphnia magna). Bulletin of Environmental Contamination and Toxicology, 1979, 23, 837-839.	1.3	5