Vance L. Trudeau

List of Publications by Citations

268 papers	8,852 citations	47 h-index	79 g-index
284 ext. papers	9,869 ext. citations	4.4 avg, IF	6.16 L-index

#	Paper	IF	Citations
268	Pharmaceuticals and personal care products in the environment: what are the big questions?. *Environmental Health Perspectives*, **2012**, 120, 1221-9	8.4	830
267	Demasculinization and feminization of male gonads by atrazine: consistent effects across vertebrate classes. *Journal of Steroid Biochemistry and Molecular Biology*, **2011**, 127, 64-73	5.1	223
266	An ecotoxicological characterization of nanocrystalline cellulose (NCC). *Nanotoxicology*, **2010**, 4, 255-70	5.3	202
265	The human lipid regulator, gemfibrozil bioconcentrates and reduces testosterone in the goldfish, Carassius auratus. *Aquatic Toxicology*, **2005**, 73, 44-54	5.1	196
264	Mercury-induced reproductive impairment in fish. *Environmental Toxicology and Chemistry*, **2009**, 28, 895-907	3.8	172
263	The goldfish (Carassius auratus) as a model for neuroendocrine signaling. *Molecular and Cellular Endocrinology*, **2008**, 293, 43-56	4.4	134
262	Pharmaceuticals as neuroendocrine disruptors: lessons learned from fish on Prozac. *Journal of Toxicology and Environmental Health - Part B: Critical Reviews*, **2011**, 14, 387-412	8.6	122
261	Corticotropin-releasing factor and neuropeptide Y mRNA levels are elevated in the preoptic area of socially subordinate rainbow trout. *General and Comparative Endocrinology*, **2003**, 133, 260-71	3	115
260	Phytochemical and biological analysis of skullcap (Scutellaria lateriflora L.): a medicinal plant with anxiolytic properties. *Phytomedicine*, **2003**, 10, 640-9	6.5	114
259	Auto-regulation of estrogen receptor subtypes and gene expression profiling of 17beta-estradiol action in the neuroendocrine axis of male goldfish. *Molecular and Cellular Endocrinology*, **2008**, 283, 38-48	4.4	108
258	Bioassay-guided fractionation of lemon balm (Melissa officinalis L.) using an in vitro measure of GABA transaminase activity. *Phytotherapy Research*, **2009**, 23, 1075-81	6.7	106
257	Assessment of nanosilver toxicity during zebrafish (Danio rerio) development. *Chemosphere*, **2013**, 92, 59-66	8.4	105
256	Effects of fluoxetine on the reproductive axis of female goldfish (Carassius auratus). *Physiological Genomics*, **2008**, 35, 273-82	3.6	105
255	Predicting the environmental impact of nanosilver. *Environmental Toxicology and Pharmacology*, **2014**, 38, 861-73	5.8	104
254	Microarray analysis in the zebrafish (Danio rerio) liver and telencephalon after exposure to low concentration of 17alpha-ethinylestradiol. *Aquatic Toxicology*, **2007**, 84, 38-49	5.1	103
253	Waterborne fluoxetine disrupts the reproductive axis in sexually mature male goldfish, Carassius auratus. *Aquatic Toxicology*, **2010**, 100, 354-64	5.1	101
252	Waterborne fluoxetine disrupts feeding and energy metabolism in the goldfish Carassius auratus. *Aquatic Toxicology*, **2010**, 100, 128-37	5.1	97

251	Effects of traditionally used anxiolytic botanicals on enzymes of the gamma-aminobutyric acid (GABA) system. *Canadian Journal of Physiology and Pharmacology*, **2007**, 85, 933-42	2.4	97
250	Estrogenic exposure affects metamorphosis and alters sex ratios in the northern leopard frog (Rana pipiens): identifying critically vulnerable periods of development. *General and Comparative Endocrinology*, **2008**, 156, 515-23	3	94
249	Mechanisms of crosstalk between endocrine systems: regulation of sex steroid hormone synthesis and action by thyroid hormones. *General and Comparative Endocrinology*, **2014**, 203, 69-85	3	93
248	Current concepts in neuroendocrine disruption. *General and Comparative Endocrinology*, **2014**, 203, 158-173	3	92
247	Neuroendocrine disruption: more than hormones are upset. *Journal of Toxicology and Environmental Health - Part B: Critical Reviews*, **2011**, 14, 270-91	8.6	91
246	Interactions of estradiol with gonadotropin-releasing hormone and thyrotropin-releasing hormone in the control of growth hormone secretion in the goldfish. *Neuroendocrinology*, **1992**, 56, 483-90	5.6	89
245	Steroid Transport, Local Synthesis, and Signaling within the Brain: Roles in Neurogenesis, Neuroprotection, and Sexual Behaviors. *Frontiers in Neuroscience*, **2018**, 12, 84	5.1	72
244	Gene expression profiling in the neuroendocrine brain of male goldfish (Carassius auratus) exposed to 17alpha-ethinylestradiol. *Physiological Genomics*, **2006**, 27, 328-36	3.6	71
243	Influence of GABA on gonadotrophin release in the goldfish. *Neuroendocrinology*, **1992**, 55, 396-404	5.6	70
242	Interactions of gonadal steroids with brain dopamine and gonadotropin-releasing hormone in the control of gonadotropin-II secretion in the goldfish. *General and Comparative Endocrinology*, **1993**, 89, 39-50	3	69
241	Bioaccumulation of the pharmaceutical 17alpha-ethinylestradiol in shorthead redhorse suckers (Moxostoma macrolepidotum) from the St. Clair River, Canada. *Environmental Pollution*, **2010**, 158, 2566-71	9.3	68
240	Integration of membrane and nuclear estrogen receptor signaling. *Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology*, **2006**, 144, 306-15	2.6	67
239	Amino acid neurotransmitters and dopamine in brain and pituitary of the goldfish: involvement in the regulation of gonadotropin secretion. *Journal of Neurochemistry*, **1992**, 58, 2254-62	6	67
238	Evolution of steroid-5alpha-reductases and comparison of their function with 5beta-reductase. *General and Comparative Endocrinology*, **2010**, 166, 489-97	3	66
237	Environmental risk assessment for the serotonin re-uptake inhibitor fluoxetine: Case study using the European risk assessment framework. *Integrated Environmental Assessment and Management*, **2010**, 6 Suppl, 524-39	2.5	66
236	Low levels of the herbicide atrazine alter sex ratios and reduce metamorphic success in Rana pipiens tadpoles raised in outdoor mesocosms. *Environmental Health Perspectives*, **2010**, 118, 552-7	8.4	64
235	Transgenerational hypocortisolism and behavioral disruption are induced by the antidepressant fluoxetine in male zebrafish. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E12435-E12442	11.5	64
234	The occurrence of steroidal estrogens in south-eastern Ontario wastewater treatment plants. *Science of the Total Environment*, **2012**, 430, 119-25	10.2	63

233	Waterborne gemfibrozil challenges the hepatic antioxidant defense system and down-regulates peroxisome proliferator-activated receptor beta (PPARbeta) mRNA levels in male goldfish (Carassius auratus). *Toxicology*, **2006**, 228, 140-50	4.4	61
232	Stress elevates corticotropin-releasing factor (CRF) and CRF-binding protein mRNA levels in rainbow trout (Oncorhynchus mykiss). *Journal of Endocrinology*, **2005**, 186, 123-30	4.7	59
231	Estradiol stimulates growth hormone production in female goldfish. *General and Comparative Endocrinology*, **1997**, 106, 102-12	3	58
230	blockers as endocrine disruptors: the potential effects of human blockers on aquatic organisms. *Journal of Experimental Zoology*, **2011**, 315, 251-65		57
229	Mimicking the natural doping of migrant sandpipers in sedentary quails: effects of dietary n-3 fatty acids on muscle membranes and PPAR expression. *Journal of Experimental Biology*, **2009**, 212, 1106-14	3	56
228	Fadrozole and finasteride exposures modulate sex steroid- and thyroid hormone-related gene expression in Silurana (Xenopus) tropicalis early larval development. *General and Comparative Endocrinology*, **2010**, 166, 417-27	3	54
227	Genomic resources and microarrays for the common carp Cyprinus carpio L.. *Journal of Fish Biology*, **2008**, 72, 2095-2117	1.9	53
226	Thyroid hormone and gamma-aminobutyric acid (GABA) interactions in neuroendocrine systems. *Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology*, **2006**, 144, 332-44	2.6	53
225	Effects of glyphosate-based herbicides on survival, development, growth and sex ratios of wood frog (Lithobates sylvaticus) tadpoles. II: agriculturally relevant exposures to Roundup WeatherMax and Vision under laboratory conditions. *Aquatic Toxicology*, **2014**, 154, 291-303	5.1	52
224	Gamma-aminobutyric acid up-regulates the expression of a novel secretogranin-II messenger ribonucleic acid in the goldfish pituitary. *Endocrinology*, **1998**, 139, 4870-80	4.8	52
223	Seasonal variation of neuropeptide Y actions on growth hormone and gonadotropin-II secretion in the goldfish: effects of sex steroids. *Journal of Neuroendocrinology*, **1993**, 5, 273-80	3.8	52
222	Fluoxetine affects weight gain and expression of feeding peptides in the female goldfish brain. *Regulatory Peptides*, **2009**, 155, 99-104		49
221	Ethnopharmacology of QReqchiRMaya antiepileptic and anxiolytic plants: effects on the GABAergic system. *Journal of Ethnopharmacology*, **2009**, 125, 257-64	5	47
220	Hormonal induction of spawning in 4 species of frogs by coinjection with a gonadotropin-releasing hormone agonist and a dopamine antagonist. *Reproductive Biology and Endocrinology*, **2010**, 8, 36	5	47
219	Expression and T3 regulation of thyroid hormone- and sex steroid-related genes during Silurana (Xenopus) tropicalis early development. *General and Comparative Endocrinology*, **2010**, 166, 428-35	3	47
218	Fish as models for the neuroendocrine regulation of reproduction and growth. *Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology*, **1998**, 119, 345-64		47
217	Effects of sex steroid treatments on gonadotropin-releasing hormone-stimulated gonadotropin secretion from the goldfish pituitary. *Biology of Reproduction*, **1993**, 48, 300-7	3.9	47
216	Molecular evolution of leptin. *General and Comparative Endocrinology*, **2001**, 124, 188-98	3	45

215	New insights into granin-derived peptides: evolution and endocrine roles. *General and Comparative Endocrinology*, **2009**, 164, 161-74	3	44
214	Global increases in ultraviolet B radiation: potential impacts on amphibian development and metamorphosis. *Physiological and Biochemical Zoology*, **2008**, 81, 743-61	2	44
213	Hormone cross-regulation in the tadpole brain: developmental expression profiles and effect of T3 exposure on thyroid hormone- and estrogen-responsive genes in Rana pipiens. *General and Comparative Endocrinology*, **2007**, 154, 5-15	3	44
212	Multiplicity of glutamic acid decarboxylases (GAD) in vertebrates: molecular phylogeny and evidence for a new GAD paralog. *Molecular Biology and Evolution*, **1999**, 16, 397-404	8.3	44
211	Facing the Challenges of Neuropeptide Gene Knockouts: Why Do They Not Inhibit Reproduction in Adult Teleost Fish?. *Frontiers in Neuroscience*, **2018**, 12, 302	5.1	43
210	Spawning energetics of Arctic cod (Boreogadus saida) in relation to seasonal development of the ovary and plasma sex steroid levels. *Canadian Journal of Fisheries and Aquatic Sciences*, **1995**, 52, 541-550	2.4	43
209	Effects of glyphosate-based herbicides on survival, development, growth and sex ratios of wood frogs (Lithobates sylvaticus) tadpoles. I: chronic laboratory exposures to VisionMax . *Aquatic Toxicology*, **2014**, 154, 278-90	5.1	42
208	Growth, development and incidence of deformities in amphibian larvae exposed as embryos to naphthenic acid concentrations detected in the Canadian oil sands region. *Environmental Pollution*, **2012**, 167, 178-83	9.3	41
207	Emerging trends for biobanking amphibian genetic resources: The hope, reality and challenges for the next decade. *Biological Conservation*, **2013**, 164, 10-21	6.2	41
206	Pulp and paper mill effluents contain neuroactive substances that potentially disrupt neuroendocrine control of fish reproduction. *Environmental Science & Technology*, **2009**, 43, 1635-41	10.3	41
205	Functional insight into Maelstrom in the germline piRNA pathway: a unique domain homologous to the DnaQ-H 3R5Rexonuclease, its lineage-specific expansion/loss and evolutionarily active site switch. *Biology Direct*, **2008**, 3, 48	7.2	41
204	Corticotropin-releasing factor and neuropeptide Y mRNA levels are modified by glucocorticoids in rainbow trout, Oncorhynchus mykiss. *General and Comparative Endocrinology*, **2006**, 146, 126-35	3	41
203	Mutation Disrupts Gamete Maturation and Reduces Fertility in Zebrafish. *Genetics*, **2018**, 208, 729-743	4	39
202	Effects of sustained administration of testosterone in pre-pubertal sea bass (Dicentrarchus labrax L). *Aquaculture*, **1999**, 177, 21-35	4.4	38
201	Is secretoneurin a new hormone?. *General and Comparative Endocrinology*, **2012**, 175, 10-8	3	37
200	Environmental factors affecting ultraviolet photodegradation rates and estrogenicity of estrone and ethinylestradiol in natural waters. *Archives of Environmental Contamination and Toxicology*, **2011**, 60, 1-7	3.2	37
199	The secretogranin II-derived peptide secretoneurin stimulates luteinizing hormone secretion from gonadotrophs. *Endocrinology*, **2009**, 150, 2273-82	4.8	37
198	Testosterone enhances GABA and taurine but not N-methyl-D,L-aspartate stimulation of gonadotropin secretion in the goldfish: possible sex steroid feedback mechanisms. *Journal of Neuroendocrinology*, **1993**, 5, 129-36	3.8	37

197	Neuroendocrine disruption of organizational and activational hormone programming in poikilothermic vertebrates. *Journal of Toxicology and Environmental Health - Part B: Critical Reviews*, **2017**, 20, 276-304	8.6	36
196	The aromatase inhibitor fadrozole and the 5-reductase inhibitor finasteride affect gonadal differentiation and gene expression in the frog Silurana tropicalis. *Sexual Development*, **2009**, 3, 333-41	1.6	36
195	Beta-sitosterol and 17beta-estradiol alter gonadal steroidogenic acute regulatory protein (StAR) expression in goldfish, Carassius auratus. *General and Comparative Endocrinology*, **2007**, 151, 34-41	3	36
194	Secretoneurin stimulates goldfish pituitary luteinizing hormone production. *Neuropeptides*, **2006**, 40, 275-82	3.3	36
193	Estrogen-like effects in male goldfish co-exposed to fluoxetine and 17 alpha-ethinylestradiol. *Environmental Science & Technology*, **2013**, 47, 5372-82	10.3	35
192	Radial glial cell: critical functions and new perspective as a steroid synthetic cell. *General and Comparative Endocrinology*, **2014**, 203, 181-5	3	33
191	Modulation of human cytochrome P450 3A4 (CYP3A4) and P-glycoprotein (P-gp) in Caco-2 cell monolayers by selected commercial-source milk thistle and goldenseal products. *Canadian Journal of Physiology and Pharmacology*, **2007**, 85, 966-78	2.4	33
190	Octylphenol and UV-B radiation alter larval development and hypothalamic gene expression in the leopard frog (Rana pipiens). *Environmental Health Perspectives*, **2002**, 110, 277-84	8.4	33
189	Using generalized procrustes analysis (GPA) for normalization of cDNA microarray data. *BMC Bioinformatics*, **2008**, 9, 25	3.6	32
188	Efficient induction of spawning of northern leopard frogs (Lithobates pipiens) during and outside the natural breeding season. *Reproductive Biology and Endocrinology*, **2013**, 11, 14	5	31
187	Transcript profiles and triiodothyronine regulation of sex steroid- and thyroid hormone-related genes in the gonad-mesonephros complex of Silurana tropicalis. *Molecular and Cellular Endocrinology*, **2011**, 331, 143-9	4.4	31
186	Sex- and tissue-specific effects of waterborne estrogen on estrogen receptor subtypes and E2-mediated gene expression in the reproductive axis of goldfish. *Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology*, **2010**, 156, 92-101	2.6	31
185	Defining global neuroendocrine gene expression patterns associated with reproductive seasonality in fish. *PLoS ONE*, **2009**, 4, e5816	3.7	31
184	Rapid dopaminergic modulation of the fish hypothalamic transcriptome and proteome. *PLoS ONE*, **2010**, 5, e12338	3.7	31
183	Sublethal effects on wood frogs chronically exposed to environmentally relevant concentrations of two neonicotinoid insecticides. *Environmental Toxicology and Chemistry*, **2017**, 36, 1101-1109	3.8	30
182	Nanosilver cytotoxicity in rainbow trout (Oncorhynchus mykiss) erythrocytes and hepatocytes. *Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology*, **2014**, 159, 10-21	3.2	30
181	Effects of naphthenic acid exposure on development and liver metabolic processes in anuran tadpoles. *Environmental Pollution*, **2013**, 177, 22-7	9.3	30
180	Effects of the glyphosate-based herbicide Roundup WeatherMax on metamorphosis of wood frogs (Lithobates sylvaticus) in natural wetlands. *Aquatic Toxicology*, **2013**, 140-141, 48-57	5.1	30

179	Forebrain mapping of secretoneurin-like immunoreactivity and its colocalization with isotocin in the preoptic nucleus and pituitary gland of goldfish. *Journal of Comparative Neurology*, **2011**, 519, 3748-65	3.4	30
178	Gene expression profiles of Drosophila melanogaster exposed to an insecticidal extract of Piper nigrum. *Journal of Agricultural and Food Chemistry*, **2006**, 54, 1289-95	5.7	30
177	The effect of a synergistic concentration of a Piper nigrum extract used in conjunction with pyrethrum upon gene expression in Drosophila melanogaster. *Insect Molecular Biology*, **2006**, 15, 329-39	3.4	29
176	Quantitative proteomics in teleost fish: insights and challenges for neuroendocrine and neurotoxicology research. *General and Comparative Endocrinology*, **2012**, 176, 314-20	3	28
175	Profiling neuroendocrine gene expression changes following fadrozole-induced estrogen decline in the female goldfish. *Physiological Genomics*, **2009**, 38, 351-61	3.6	28
174	A multi-assay screening approach for assessment of endocrine-active contaminants in wastewater effluent samples. *Science of the Total Environment*, **2013**, 454-455, 132-40	10.2	27
173	Profiling hepatic microRNAs in zebrafish: fluoxetine exposure mimics a fasting response that targets AMP-activated protein kinase (AMPK). *PLoS ONE*, **2014**, 9, e95351	3.7	27
172	In vitro and whole animal evidence that methylmercury disrupts GABAergic systems in discrete brain regions in captive mink. *Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology*, **2010**, 151, 379-85	3.2	27
171	Glutamic acid decarboxylase 65, 67, and GABA-transaminase mRNA expression and total enzyme activity in the goldfish (Carassius auratus) brain. *Brain Research*, **2007**, 1147, 154-66	3.7	27
170	Secretoneurin as a hormone regulator in the pituitary. *Regulatory Peptides*, **2010**, 165, 117-22		26
169	Amphibian declines in the twenty-first century: why we need assisted reproductive technologies. *Advances in Experimental Medicine and Biology*, **2014**, 753, 275-316	3.6	26
168	Multimodal hypothalamo-hypophysial communication in the vertebrates. *General and Comparative Endocrinology*, **2020**, 293, 113475	3	25
167	Lumiestrone is Photochemically Derived from Estrone and may be Released to the Environment without Detection. *Frontiers in Endocrinology*, **2011**, 2, 83	5.7	25
166	Interaction of Galaxolide with the human and trout estrogen receptor-. *Science of the Total Environment*, **2010**, 408, 6158-64	10.2	25
165	Exposures to estradiol, ethinylestradiol and octylphenol affect survival and growth of Rana pipiens and Rana sylvatica tadpoles. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **2006**, 69, 1555-69	3.2	25
164	In vivo actions of a gonadotropin-releasing hormone (GnRH) antagonist on gonadotropin-II and growth hormone secretion in goldfish, Carassius auratus. *General and Comparative Endocrinology*, **1994**, 96, 427-37	3	25
163	Effects of hormonal stimulation on the concentration and quality of excreted spermatozoa in the critically endangered Panamanian golden frog (Atelopus zeteki). *Theriogenology*, **2017**, 91, 27-35	2.8	24
162	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, 1849-58	10.3	24

161	Sexing frogs by real-time PCR: using aromatase (cyp19) as an early ovarian differentiation marker. *Sexual Development*, **2012**, 6, 303-15	1.6	24
160	Overexpression of activin-beta A subunit mRNA is associated with decreased activin type II receptor mRNA levels in the testes of alpha-inhibin deficient mice. *Biochemical and Biophysical Research Communications*, **1994**, 203, 105-12	3.4	24
159	Canadian boreal pulp and paper feedstocks contain neuroactive substances that interact in vitro with GABA and dopaminergic systems in the brain. *Science of the Total Environment*, **2014**, 468-469, 315-25	10.2	23
158	Effects of growth hormone over-expression on reproduction in the common carp Cyprinus carpio L. *General and Comparative Endocrinology*, **2014**, 195, 47-57	3	23
157	A teleost in vitro reporter gene assay to screen for agonists of the peroxisome proliferator-activated receptors. *Environmental Toxicology and Chemistry*, **2005**, 24, 2260-6	3.8	23
156	GABAergic modulation of the expression of genes involved in GABA synaptic transmission and stress in the hypothalamus and telencephalon of the female goldfish (Carassius auratus). *Journal of Neuroendocrinology*, **2005**, 17, 269-75	3.8	23
155	Sex steroid regulation of glutamate decarboxylase mRNA expression in goldfish brain is sexually dimorphic. *Journal of Neurochemistry*, **2001**, 76, 945-56	6	23
154	Sex steroids and the initiation of puberty in male African catfish (Clarias gariepinus). *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **1998**, 275, R1793-802	3.2	23
153	Neuroendocrine control of spawning in amphibians and its practical applications. *General and Comparative Endocrinology*, **2016**, 234, 28-39	3	23
152	Dopamine D1 receptor activation regulates the expression of the estrogen synthesis gene aromatase B in radial glial cells. *Frontiers in Neuroscience*, **2015**, 9, 310	5.1	22
151	Estradiol and triiodothyronine differentially modulate reproductive and thyroidal genes in male goldfish. *Fish Physiology and Biochemistry*, **2012**, 38, 283-96	2.7	22
150	The development of an optimized sample preparation for trace level detection of 17α-ethinylestradiol and estrone in whole fish tissue. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2011**, 879, 3649-52	3.2	22
149	Regulation of thyroid hormone-, oestrogen- and androgen-related genes by triiodothyronine in the brain of Silurana tropicalis. *Journal of Neuroendocrinology*, **2010**, 22, 1023-31	3.8	22
148	Analysis of sexually dimorphic expression of genes at early gonadogenesis of pejerrey Odontesthes bonariensis using a heterologous microarray. *Sexual Development*, **2011**, 5, 89-101	1.6	22
147	Effects of morphine and naloxone on plasma levels of LH, FSH, prolactin and growth hormone in the immature male pig. *Journal of Endocrinology*, **1988**, 119, 501-8	4.7	22
146	Saxitoxins induce cytotoxicity, genotoxicity and oxidative stress in teleost neurons in vitro. *Toxicon*, **2014**, 86, 8-15	2.8	21
145	Exposure to waterborne 4-tert-octylphenol induces vitellogenin synthesis and disrupts testis morphology in the South American freshwater fish Cichlasoma dimerus (Teleostei, Perciformes). *Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology*, **2009**, 150, 298-306	3.2	21
144	Sex steroid regulation of brain glutamic acid decarboxylase (GAD) mRNA is season-dependent and sexually dimorphic in the goldfish Carassius auratus. *Molecular Brain Research*, **2005**, 141, 1-9		21

143	Kisspeptin and GnRH interactions in the reproductive brain of teleosts. *General and Comparative Endocrinology*, **2020**, 298, 113568	3	21
142	Sodium perchlorate disrupts development and affects metamorphosis- and growth-related gene expression in tadpoles of the wood frog (Lithobates sylvaticus). *General and Comparative Endocrinology*, **2015**, 222, 33-43	3	20
141	Underwater acoustic communication in the macrophagic carnivorous larvae of Ceratophrys ornata (Anura: Ceratophryidae). *Acta Zoologica*, **2011**, 92, 46-53	0.8	20
140	Expression profiles of reproduction- and thyroid hormone-related transcripts in the brains of chemically-induced intersex frogs. *Sexual Development*, **2011**, 5, 26-32	1.6	20
139	Proteolytic processing and differential distribution of secretogranin-II in goldfish. *General and Comparative Endocrinology*, **2006**, 146, 100-7	3	20
138	In situ characterization of gonadotropin- releasing hormone-I, -III, and glutamic acid decarboxylase expression in the brain of the sea lamprey, Petromyzon marinus. *Brain, Behavior and Evolution*, **2005**, 65, 60-70	1.5	20
137	The spatial relationship of gamma-aminobutyric acid (GABA) neurons and gonadotropin-releasing hormone (GnRH) neurons in larval and adult sea lamprey, Petromyzon marinus. *Brain, Behavior and Evolution*, **2002**, 60, 1-12	1.5	20
136	Regulation of growth hormone secretion by amino acid neurotransmitters in the goldfish (I): Inhibition by N-methyl-D, L-aspartic acid. *General and Comparative Endocrinology*, **1996**, 103, 129-37	3	20
135	Norepinephrine turnover in the goldfish brain is modulated by sex steroids and GABA. *Brain Research*, **1993**, 624, 29-34	3.7	20
134	Growth Hormone Overexpression Disrupts Reproductive Status Through Actions on Leptin. *Frontiers in Endocrinology*, **2018**, 9, 131	5.7	19
133	Endocrine disrupting effects of waterborne fluoxetine exposure on the reproductive axis of female goldfish, Carassius auratus. *Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology*, **2017**, 202, 70-78	3.2	19
132	Assessment of thyroid system disruption in Rana pipiens tadpoles chronically exposed to UVB radiation and 4-tert-octylphenol. *Aquatic Toxicology*, **2009**, 95, 81-92	5.1	19
131	Chronic exposure of Rana pipiens tadpoles to UVB radiation and the estrogenic chemical 4-tert-octylphenol. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **2008**, 71, 134-44	2.2	19
130	The XS domain of a plant specific SGS3 protein adopts a unique RNA recognition motif (RRM) fold. *Cell Cycle*, **2008**, 7, 2268-70	4.7	19
129	Selective depletion of dopamine in the goldfish pituitary caused by domperidone. *Canadian Journal of Physiology and Pharmacology*, **1991**, 69, 776-81	2.4	19
128	Dynamics of uptake and elimination of 17□ethinylestradiol in male goldfish (Carassius auratus). *Aquatic Toxicology*, **2013**, 132-133, 134-40	5.1	18
127	Secretoneurin is a potential paracrine factor from lactotrophs stimulating gonadotropin release in the goldfish pituitary. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2010**, 299, R1290-7	3.2	18
126	Gene expression profiling of the fathead minnow (Pimephales promelas) neuroendocrine brain in response to pulp and paper mill effluents. *Aquatic Toxicology*, **2010**, 99, 379-88	5.1	18

125	Secretoneurin stimulates the production and release of luteinizing hormone in mouse L{beta}T2 gonadotropin cells. *American Journal of Physiology - Endocrinology and Metabolism*, **2011**, 301, E288-97	6	18
124	The effects of GABA agonists on glutamic acid decarboxylase, GABA-transaminase, activin, salmon gonadotrophin-releasing hormone and tyrosine hydroxylase mRNA in the goldfish (Carassius auratus) neuroendocrine brain. *Journal of Neuroendocrinology*, **2007**, 19, 390-6	3.8	18
123	The effect of water temperature on the GABAergic and reproductive systems in female and male goldfish (Carassius auratus). *General and Comparative Endocrinology*, **2002**, 125, 163-75	3	18
122	Agrochemicals disrupt multiple endocrine axes in amphibians. *Molecular and Cellular Endocrinology*, **2020**, 513, 110861	4.4	18
121	GABAergic Neurons and Their Modulatory Effects on GnRH3 in Zebrafish. *Endocrinology*, **2017**, 158, 874-886	4	17
120	Time- and dose-related effects of a gonadotropin-releasing hormone agonist and dopamine antagonist on reproduction in the Northern leopard frog (Lithobates pipiens). *General and Comparative Endocrinology*, **2017**, 254, 86-96	3	17
119	Targeted mutation of secretogranin-2 disrupts sexual behavior and reproduction in zebrafish. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 12772-12783	11.5	17
118	Differential success in obtaining gametes between male and female Australian temperate frogs by hormonal induction: A review. *General and Comparative Endocrinology*, **2018**, 265, 141-148	3	17
117	Expression profiles of metamorphosis-related genes during natural transformations in tadpoles of wild Wood Frogs (Lithobates sylvaticus). *Canadian Journal of Zoology*, **2012**, 90, 1059-1071	1.5	17
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