Berta Levavi-Sivan

List of Publications by Year
in descending order

114 papers	5,167 citations	87401 40 h-index	111975 67 g-index
115 all docs	115 docs citations	115 times ranked	3240 citing authors

#	Article	IF	Citations
1	Vasoactive Intestinal Peptide Indirectly Elicits Pituitary LH Secretion Independent of GnRH in Female Zebrafish. Endocrinology, 2022, 163, .	1.4	5
2	Cloning of gonadotropin Gph-alpha, FSH-beta and LH-beta subunits and seasonal profiles of steroid hormones in wild-caught Nile perch, Lates niloticus. General and Comparative Endocrinology, 2022, 323-324, 114035.	0.8	2
3	Intracellular production of recombinant GnRH1 in yeast, Pichia pastoris, and its potential as oral treatment to advance gonadal development in juvenile orange-spotted grouper, Epinephelus coioides. Aquaculture, 2022, 554, 738115.	1.7	2
4	Transcriptomes of testis and pituitary from male Nile tilapia (O. niloticus L.) in the context of social status. PLoS ONE, 2022, 17, e0268140.	1.1	0
5	Chemogenetic Depletion of Hypophysiotropic GnRH Neurons Does Not Affect Fertility in Mature Female Zebrafish. International Journal of Molecular Sciences, 2022, 23, 5596.	1.8	0
6	Molecular characterization of kisspeptin receptors and gene expression analysis during oogenesis in the Russian sturgeon (Acipenser gueldenstaedtii). General and Comparative Endocrinology, 2021, 302, 113691.	0.8	5
7	Gnrh2 maintains reproduction in fasting zebrafish through dynamic neuronal projection changes and regulation of gonadotropin synthesis, oogenesis, and reproductive behaviors. Scientific Reports, 2021, 11, 6657.	1.6	15
8	Somatostatin, as a Bridge Between the GH-Axis and the Gth-Axis. Journal of the Endocrine Society, 2021, 5, A553-A554.	0.1	0
9	Transcriptome of Distinct LH and FSH Cells Reveals Different Regulation Unique to Each Cell Type. Journal of the Endocrine Society, 2021, 5, A557-A557.	0.1	0
10	In Silico Perspectives on Gonadotropin Crosstalk. Journal of the Endocrine Society, 2021, 5, A529-A530.	0.1	0
11	Differential Regulation of Gonadotropins as Revealed by Transcriptomes of Distinct LH and FSH Cells of Fish Pituitary. International Journal of Molecular Sciences, 2021, 22, 6478.	1.8	20
12	Characteristics of Neurokinin-3 Receptor and Its Binding Sites by Mutational Analysis. Biology, 2021, 10, 968.	1.3	1
13	Characterization of gonadotropin receptors Fshr and Lhr in Japanese medaka, Oryzias latipes. General and Comparative Endocrinology, 2020, 285, 113276.	0.8	23
14	Molecular characterization of two Russian sturgeon gonadotropin receptors: Cloning, expression analysis, and functional activity. General and Comparative Endocrinology, 2020, 298, 113557.	0.8	8
15	An ex vivo Approach to Study Hormonal Control of Spermatogenesis in the Teleost Oreochromis niloticus. Frontiers in Endocrinology, 2020, 11, 443.	1.5	3
16	Ectopic over expression of kiss1 may compensate for the loss of kiss2. General and Comparative Endocrinology, 2020, 295, 113523.	0.8	11
17	Chronic Social Defeat Stress Up-Regulates Spexin in the Brain of Nile Tilapia (Oreochromis niloticus). Scientific Reports, 2020, 10, 7666.	1.6	14
18	Spexin and a Novel Cichlid-Specific Spexin Paralog Both Inhibit FSH and LH Through a Specific Galanin Receptor (Galr2b) in Tilapia. Frontiers in Endocrinology, 2020, 11, 71.	1.5	25

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19	Deciphering Direct and Indirect Effects of Neurokinin B and GnRH in the Brain-Pituitary Axis of Tilapia. Frontiers in Endocrinology, 2019, 10, 469.	1.5	24
20	Synteny and phylogenetic analysis of paralogous thyrostimulin beta subunits (GpB5) in vertebrates. PLoS ONE, 2019, 14, e0222808.	1.1	2
21	Data on Western blot and ELISA analysis of medaka (Oryzias latipes) follicle-stimulating hormone (Fsh) and luteinizing hormone (Lh) using recombinant proteins expressed with Pichia pastoris. Data in Brief, 2019, 22, 1057-1063.	0.5	2
22	Establishment of specific enzyme-linked immunosorbent assay (ELISA) for measuring Fsh and Lh levels in medaka (Oryzias latipes), using recombinant gonadotropins. MethodsX, 2019, 6, 1473-1479.	0.7	5
23	Melatonin receptors in Atlantic salmon stimulate cAMP levels in heterologous cell lines and show seasonâ€dependent daily variations in pituitary expression levels. Journal of Pineal Research, 2019, 67, e12590.	3.4	36
24	Medaka follicle-stimulating hormone (Fsh) and luteinizing hormone (Lh): Developmental profiles of pituitary protein and gene expression levels. General and Comparative Endocrinology, 2019, 272, 93-108.	0.8	31
25	Ontogeny of the specificity of gonadotropin receptors and gene expression in carp. Endocrine Connections, 2019, 8, 1433-1446.	0.8	15
26	Characterization of carp gonadotropins: Structure, annual profile, and carp and zebrafish pituitary topographic organization. General and Comparative Endocrinology, 2018, 264, 28-38.	0.8	37
27	Cloning and characterization of a second lamprey pituitary glycoprotein hormone, thyrostimulin (GpA2/GpB5). General and Comparative Endocrinology, 2018, 264, 16-27.	0.8	10
28	Endocrine Control of Reproduction, Fish. , 2018, , 362-368.		20
29	In-vitro and in-vivo biological activity of recombinant yellowtail kingfish (Seriola lalandi) follicle stimulating hormone. General and Comparative Endocrinology, 2017, 241, 41-49.	0.8	44
30	The gonadotropin-inhibitory hormone (Lpxrfa) system's regulation of reproduction in the brainâ€“pituitary axis of the zebrafish (Danio rerio)â€. Biology of Reproduction, 2017, 96, 1031-1042.	1.2	57
31	Neurokinin B regulates reproduction via inhibition of kisspeptin in a teleost, the striped bass. Journal of Endocrinology, 2017, 233, 159-174.	1.2	26
32	A behavioural sensor for fish stress. Aquacultural Engineering, 2017, 77, 107-111.	1.4	10
33	Biologically active recombinant carp LH as a spawning-inducing agent for carp. Journal of Endocrinology, 2017, 232, 391-402.	1.2	31
34	Stellate Cell Networks in the Teleost Pituitary. Scientific Reports, 2016, 6, 24426.	1.6	21
35	Anatomical and functional gonadotrope networks in the teleost pituitary. Scientific Reports, 2016, 6, 23777.	1.6	42
36	Distribution of LPXRFa, a gonadotropinâ€inhibitory hormone ortholog peptide, and LPXRFa receptor in the brain and pituitary of the tilapia. Journal of Comparative Neurology, 2016, 524, 2753-2775.	0.9	52

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37	Gonadotropins in the Russian Sturgeon: Their Role in Steroid Secretion and the Effect of Hormonal Treatment on Their Secretion. PLoS ONE, 2016, 11, e0162344.	1.1	31
38	Emergence of an Ancestral Glycoprotein Hormone in the Pituitary of the Sea Lamprey, a Basal Vertebrate. Endocrinology, 2015, 156, 3026-3037.	1.4	45
39	Kisspeptin Antagonists Reveal Kisspeptin 1 and Kisspeptin 2 Differential Regulation of Reproduction in the Teleost, Morone saxatilis1. Biology of Reproduction, 2015, 93, 76.	1.2	31
40	Architecture of GnRH-Gonadotrope-Vasculature Reveals a Dual Mode of Gonadotropin Regulation in Fish. Endocrinology, 2015, 156, 4163-4173.	1.4	79
41	Gonadal recrudescence and induced spawning inBarbus altianalis. Aquaculture Research, 2015, 46, 669-678.	0.9	8
42	A Novel Model for Development, Organization, and Function of Gonadotropes in Fish Pituitary. Frontiers in Endocrinology, 2014, 5, 182.	1.5	47
43	Pituitary follicle-stimulating hormone (FSH) and luteinizing hormone (LH) levels in maturing female flounderPlatichthys flesusunder hydrostatic pressure simulating vertical migrations. Marine Biology Research, 2014, 10, 85-92.	0.3	2
44	LPXRFa, the Piscine Ortholog of GnIH, and LPXRF Receptor Positively Regulate Gonadotropin Secretion in Tilapia (Oreochromis niloticus). Endocrinology, 2014, 155, 4391-4401.	1.4	85
45	Direct Regulation of Gonadotropin Release by Neurokinin B in Tilapia (Oreochromis niloticus). Endocrinology, 2014, 155, 4831-4842.	1.4	46
46	The Medio-Basal Hypothalamus as a Dynamic and Plastic Reproduction-Related Kisspeptin-gnrh-Pituitary Center in Fish. Endocrinology, 2014, 155, 1874-1886.	1.4	51
47	Editorial for Perspectives in Cichlid Endocrinology. General and Comparative Endocrinology, 2014, 207, 1.	0.8	0
48	Artificial masculinization in tilapia involves androgen receptor activation. General and Comparative Endocrinology, 2014, 207, 50-55.	0.8	32
49	Production, gene structure and characterization of two orthologs of leptin and a leptin receptor in tilapia. General and Comparative Endocrinology, 2014, 207, 74-85.	0.8	61
50	Characterization of tilapia (Oreochromis niloticus) gonadotropins by modeling and immunoneutralization. General and Comparative Endocrinology, 2014, 207, 28-33.	0.8	5
51	Long-term GnRH-induced gonadotropin secretion in a novel hypothalamo-pituitary slice culture from tilapia brain. General and Comparative Endocrinology, 2014, 207, 21-27.	0.8	12
52	Social dominance in tilapia is associated with gonadotroph hyperplasia. General and Comparative Endocrinology, 2013, 192, 126-135.	0.8	37
53	Effects of a saponin fraction extracted from Trigonella foenum-graecum L. and two commercially available saponins on sex ratio and gonad histology of Nile tilapa fry, Oreochromis niloticus (L.). Journal of Applied Ichthyology, 2013, 29, 265-267.	0.3	5
54	Chronic kisspeptin administration stimulated gonadal development in pre-pubertal male yellowtail kingfish (Seriola lalandi; Perciformes) during the breeding and non-breeding season. General and Comparative Endocrinology, 2013, 191, 168-176.	0.8	44

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55	Thyroid Hormone Upregulates Hypothalamic kiss2 Gene in the Male Nile Tilapia, Oreochromis niloticus. Frontiers in Endocrinology, 2013, 4, 184.	1.5	37
56	Neurokinin Bs and neurokinin B receptors in zebrafish-potential role in controlling fish reproduction. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 10269-10274.	3.3	115
57	Differential and Gonad Stage-Dependent Roles of Kisspeptin1 and Kisspeptin2 in Reproduction in the Modern Teleosts, Morone Species1. Biology of Reproduction, 2012, 86, 177.	1.2	107
58	The Kiss2 receptor (Kiss2r) gene in Southern Bluefin Tuna, Thunnus maccoyii and in Yellowtail Kingfish, Seriola lalandi â€“ Functional analysis and isolation of transcript variants. Molecular and Cellular Endocrinology, 2012, 362, 211-220.	1.6	53
59	Experimental and computational study of inter- and intra- species specificity of gonadotropins for various gonadotropin receptors. Molecular and Cellular Endocrinology, 2012, 364, 89-100.	1.6	43
60	Insight into molecular pathways of retinal metabolism, associated with vitellogenesis in zebrafish. American Journal of Physiology - Endocrinology and Metabolism, 2012, 302, E626-E644.	1.8	60
61	Steroidogenic response of carp ovaries to piscine FSH and LH depends on the reproductive phase. General and Comparative Endocrinology, 2012, 178, 28-36.	0.8	42
62	HORMONAL CONTROL OF REPRODUCTION AND GROWTH | Endocrine Regulation of Fish Reproduction. , 2011, , 1500-1508.		58
63	Plasticity of the Reproductive Axis Caused by Social Status Change in an African Cichlid Fish: I. Pituitary Gonadotropins. Endocrinology, 2011, 152, 281-290.	1.4	64
64	Perspectives on fish gonadotropins and their receptors. General and Comparative Endocrinology, 2010, 165, 412-437.	0.8	478
65	Revealing genes associated with vitellogenesis in the liver of the zebrafish (Danio rerio) by transcriptome profiling. BMC Genomics, 2009, 10, 141.	1.2	59
66	Sexual Development in Fish, Practical Applications for Aquaculture. Sexual Development, 2009, 3, 164-175.	1.1	73
67	Expression of Genes Associated with Retinoid Metabolism in the Trout Ovarian Follicle1. Biology of Reproduction, 2008, 79, 570-577.	1.2	22
68	Purification and characterization of recombinant pufferfish (Takifugu rubripes) leptin. General and Comparative Endocrinology, 2008, 156, 83-90.	0.8	23
69	Expression of the two cytochrome P450 aromatase genes in the male and female blue gourami (Trichogaster trichopterus) during the reproductive cycle. General and Comparative Endocrinology, 2008, 159, 208-213.	0.8	15
70	Molecular Identification and Functional Characterization of the Kisspeptin/Kisspeptin Receptor System in Lower Vertebrates1. Biology of Reproduction, 2008, 79, 776-786.	1.2	211
71	Biogenic Guanine Crystals from the Skin of Fish May Be Designed to Enhance Light Reflectance. Crystal Growth and Design, 2008, 8, 507-511.	1.4	118
72	Alterations in Micro-Ribonucleic Acid Expression Profiles Reveal a Novel Pathway for Estrogen Regulation. Endocrinology, 2008, 149, 1687-1696.	1.4	56

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73	Use of endoscopy for gender and ovarian stage determinations in Russian sturgeon (Acipenser) Tj ETQq1 1 0.784314 rgBT /Overlock	1.7	89
74	Cytochrome P450 aromatase in grey mullet: cDNA and promoter isolation; brain, pituitary and ovarian expression during puberty. Molecular and Cellular Endocrinology, 2007, 263, 65-78.	1.6	35
75	Tilapia Follicle-Stimulating Hormone (FSH): Immunochemistry, Stimulation by Gonadotropin-Releasing Hormone, and Effect of Biologically Active Recombinant FSH on Steroid Secretion1. Biology of Reproduction, 2007, 76, 692-700.	1.2	103
76	Temporal expression of G-protein-coupled receptor 54 (GPR54), gonadotropin-releasing hormones (GnRH), and dopamine receptor D2 (drd2) in pubertal female grey mullet, Mugil cephalus. General and Comparative Endocrinology, 2007, 150, 278-287.	0.8	115
77	Homologous desensitization and visualization of the tilapia GnRH type 3 receptor. General and Comparative Endocrinology, 2007, 153, 182-188.	0.8	8
78	Development of specific enzyme-linked immunosorbent assay for determining LH and FSH levels in tilapia, using recombinant gonadotropins. General and Comparative Endocrinology, 2007, 153, 323-332.	0.8	111
79	Sex Steroids Are Involved in the Regulation of Gonadotropin-Releasing Hormone and Dopamine D2 Receptors in Female Tilapia Pituitary1. Biology of Reproduction, 2006, 75, 642-650.	1.2	82
80	Anatomical, hormonal and histological descriptions of captive Russian sturgeon (Acipenser) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 T	0.8	37
81	Cloning of FSHÎ², LHÎ², and glycoprotein Î± subunits from the Russian Sturgeon (Acipenser gueldenstaedtii), Î²-subunit mRNA expression, gonad development, and steroid levels in immature fish. General and Comparative Endocrinology, 2005, 140, 61-73.	0.8	49
82	Production of biologically active tethered tilapia LHÎ²Î± by the methylotrophic yeast Pichia pastoris. General and Comparative Endocrinology, 2005, 140, 222-232.	0.8	79
83	Enhancing spawning in the grey mullet (Mugil cephalus) by removal of dopaminergic inhibition. General and Comparative Endocrinology, 2005, 142, 212-221.	0.8	113
84	Sequence analysis, endocrine regulation, and signal transduction of GnRH receptors in teleost fish. General and Comparative Endocrinology, 2005, 142, 67-73.	0.8	23
85	Isolation of dopamine D2 receptor (D2R) promoters in Mugil cephalus. Fish Physiology and Biochemistry, 2005, 31, 149-152.	0.9	12
86	Electrotonic Coupling in the Anterior Pituitary of a Teleost Fish. Endocrinology, 2005, 146, 1048-1052.	1.4	44
87	Cloning, characterization and expression of the D2 dopamine receptor from the tilapia pituitary. Molecular and Cellular Endocrinology, 2005, 236, 17-30.	1.6	49
88	Exposure of tilapia pituitary cells to saponins: Insight into their mechanism of action. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2005, 140, 79-86.	1.3	6
89	Differential resistance to koi herpes virus (KHV)/carp interstitial nephritis and gill necrosis virus (CNGV) among common carp (Cyprinus carpio L.) strains and crossbreds. Aquaculture, 2005, 245, 1-11.	1.7	58
90	Regulation of Gonadotropin-Releasing Hormone (GnRH)-Receptor Gene Expression in Tilapia: Effect of GnRH and Dopamine1. Biology of Reproduction, 2004, 70, 1545-1551.	1.2	78

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91	Application of real-time PCR for quantitative determination of hepatic vitellogenin transcript levels in the striped sea bream, Lithognathus mormyrus. Marine Environmental Research, 2004, 58, 659-663.	1.1	17
92	Spawning induction and hormonal levels during final oocyte maturation in the silver perch (Bidyanus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.7	39
93	Pathogenesis of Acute Viral Disease Induced in Fish by Carp Interstitial Nephritis and Gill Necrosis Virus. Journal of Virology, 2004, 78, 9544-9551.	1.5	117
94	Regulation of fish gonadotropins. International Review of Cytology, 2003, 225, 131-185.	6.2	353
95	Carotenoid and retinoid transport to fish oocytes and eggs: what is the role of retinol binding protein?. Molecular Aspects of Medicine, 2003, 24, 441-457.	2.7	55
96	Effects of long term feeding of Quillaja saponins on sex ratio, muscle and serum cholesterol and LH levels in Nile tilapia (Oreochromis niloticus (L.)). Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2002, 133, 593-603.	1.3	24
97	Spawning induction in fish and GnRH regulation of gonadotropins: modes of action. Fisheries Science, 2002, 68, 661-666.	0.7	3
98	Coupling of dopamine receptors to G proteins: studies with chimeric D2/D3 dopamine receptors. Cellular and Molecular Neurobiology, 2002, 22, 47-56.	1.7	26
99	Adenylyl cyclase interaction with the D2 dopamine receptor family; differential coupling to Gi, Gz, and Gs. Cellular and Molecular Neurobiology, 1999, 19, 653-664.	1.7	81
100	Second Messengers Involved in the Response of Gonadotropic Hormone (GtH) Cells in Fish: GtH Release and GtH IIbeta mRNA Levelsa. Annals of the New York Academy of Sciences, 1998, 839, 254-259.	1.8	2
101	The Genes Encoding the GtH beta Subunits in Tilapiaa. Annals of the New York Academy of Sciences, 1998, 839, 455-457.	1.8	0
102	Human D3dopamine receptor in the medulloblastoma TE671 cell line: cross-talk between D1and D3receptors. FEBS Letters, 1998, 439, 138-142.	1.3	26
103	Functional expression of the murine D2, D3and D4dopamine receptors inXenopus laevisoocytes. FEBS Letters, 1997, 420, 191-195.	1.3	5
104	The Tilapia Prolactin I Gene: Evolutionary Conservation of the Regulatory Elements Directing Pituitary-Specific Expression. DNA and Cell Biology, 1996, 15, 679-692.	0.9	18
105	The effects of gonadal development and sex steroids on growth hormone secretion in the male tilapia hybrid (Oreochromis niloticus ï¿½ O. aureus). Fish Physiology and Biochemistry, 1995, 14, 267-277.	0.9	36
106	Hypothalamic and Thyroidal Regulation of Growth Hormone in Tilapia. General and Comparative Endocrinology, 1995, 97, 13-30.	0.8	135
107	Possible sites of dopaminergic inhibition of gonadotropin release from the pituitary of a teleost fish, tilapia. Molecular and Cellular Endocrinology, 1995, 109, 87-95.	1.6	46
108	Spawning induction in common carp (Cyprinus carpio) using pituitary extract or GnRH superactive analogue combined with metoclopramide: analysis of hormone profile, progress of oocyte maturation and dependence on temperature. Aquaculture, 1994, 119, 393-407.	1.7	114

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109	Intracellular mediation of GnRH action on GTH release in tilapia. Fish Physiology and Biochemistry, 1993, 11, 51-59.	0.9	25
110	Involvement of cyclic adenosine monophosphate in the stimulation of gonadotropin secretion from the pituitary of the teleost fish, tilapia. Molecular and Cellular Endocrinology, 1992, 85, 175-182.	1.6	42
111	Clearance of 17Î±-ethynyltestosterone from muscle of sex-inversed tilapia hybrids treated for growth enhancement with two doses of the androgen. Aquaculture, 1990, 89, 365-376.	1.7	20
112	Gonadotropin secretion from perifused tilapia pituitary in relation to gonadotropin-releasing hormone, extracellular calcium, and activation of protein kinase C. General and Comparative Endocrinology, 1989, 75, 187-194.	0.8	33
113	Pituitary Collection from Gibel Carp Carassius gibelio (Bloch 1782) in Lake Pamvotis (Greece): Prospects for Use in Carp Reproduction. Israeli Journal of Aquaculture - Bamidgeh, 0, 59, .	0.0	3
114	Spawning Induction in the Carp: Past Experience and Future Prospects - A Review. Israeli Journal of Aquaculture - Bamidgeh, 0, , .	0.0	2