

Yonathan Zohar

List of Publications by Year in descending order

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108
papers

7,203
citations

38660

50
h-index

58464

82
g-index

111
all docs

111
docs citations

111
times ranked

4717
citing authors

#	ARTICLE	IF	CITATIONS
1	Neuroendocrinology of reproduction in teleost fish. <i>General and Comparative Endocrinology</i> , 2010, 165, 438-455.	0.8	707
2	Endocrine manipulations of spawning in cultured fish: from hormones to genes. <i>Aquaculture</i> , 2001, 197, 99-136.	1.7	413
3	Visualizing Normal and Defective Bone Development in Zebrafish Embryos Using the Fluorescent Chromophore Calcein. <i>Developmental Biology</i> , 2001, 238, 239-246.	0.9	227
4	Nannochloropsis Genomes Reveal Evolution of Microalgal Oleaginous Traits. <i>PLoS Genetics</i> , 2014, 10, e1004094.	1.5	217
5	Use of GnRHa-delivery systems for the control of reproduction in fish. <i>Reviews in Fish Biology and Fisheries</i> , 2000, 10, 463-491.	2.4	202
6	Analysis of myostatin gene structure, expression and function in zebrafish. <i>Journal of Experimental Biology</i> , 2003, 206, 4067-4079.	0.8	173
7	Environmentally sustainable land-based marine aquaculture. <i>Aquaculture</i> , 2009, 286, 28-35.	1.7	167
8	Three Forms of Gonadotropin-Releasing Hormone in a Perciform Fish (<i>Sparus Aurata</i>): Complementary Deoxyribonucleic Acid Characterization and Brain Localization1. <i>Biology of Reproduction</i> , 1996, 55, 636-645.	1.2	155
9	Immunohistochemical localization of three different prepro-GnRHs in the brain and pituitary of the European sea bass (<i>Dicentrarchus labrax</i>) using antibodies to the corresponding GnRH-associated peptides. <i>Journal of Comparative Neurology</i> , 2002, 446, 95-113.	0.9	152
10	Dopamine Inhibits Luteinizing Hormone Synthesis and Release in the Juvenile European Eel: A Neuroendocrine Lock for the Onset of Puberty1. <i>Biology of Reproduction</i> , 2004, 71, 1491-1500.	1.2	146
11	Localization and expression of aromatase mRNA in adult zebrafish. <i>General and Comparative Endocrinology</i> , 2004, 139, 72-84.	0.8	146
12	The 5' Flanking Regions of CYP19A1 and CYP19A2 in Zebrafish. <i>Biochemical and Biophysical Research Communications</i> , 2001, 288, 503-508.	1.0	140
13	Differential expression of three different prepro-GnRH (gonadotrophin-releasing hormone) messengers in the brain of the european sea bass (<i>Dicentrarchus labrax</i>). <i>Journal of Comparative Neurology</i> , 2001, 429, 144-155.	0.9	136
14	Molecular characterization of the GnRH system in zebrafish (<i>Danio rerio</i>): cloning of chicken GnRH-II, adult brain expression patterns and pituitary content of salmon GnRH and chicken GnRH-II. <i>General and Comparative Endocrinology</i> , 2003, 133, 27-37.	0.8	120
15	<i>Lactobacillus rhamnosus</i> Accelerates Zebrafish Backbone Calcification and Gonadal Differentiation through Effects on the GnRH and IGF Systems. <i>PLoS ONE</i> , 2012, 7, e45572.	1.1	116
16	Large-scale juvenile production of the blue crab <i>Callinectes sapidus</i> . <i>Aquaculture</i> , 2005, 244, 129-139.	1.7	115
17	Long photoperiod delayed spawning and increased somatic growth in gilthead seabream (<i>Sparus</i>) Tj ETQq1 1 0.784314 rgBT/Overlock	1.7	107
18	Differential and Gonad Stage-Dependent Roles of Kisspeptin1 and Kisspeptin2 in Reproduction in the Modern Teleosts, Morone Species1. <i>Biology of Reproduction</i> , 2012, 86, 177.	1.2	107

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19	Preparation and Administration of Gonadotropin-Releasing Hormone Agonist (GnRHa) Implants for the Artificial Control of Reproductive Maturation in Captive-Reared Atlantic Bluefin Tuna (<i>Thunnus thynnus</i>). <i>Journal of Endocrinology</i> , 2004, 145, 5210-5220.	1.4	88
20	Novel Expression of Gonadotropin Subunit Genes in Oocytes of the Gilthead Seabream (<i>Sparus aurata</i>). <i>Endocrinology</i> , 2004, 145, 5210-5220.	1.4	88
21	Targeted Gonadotropin-Releasing Hormone-3 Neuron Ablation in Zebrafish: Effects on Neurogenesis, Neuronal Migration, and Reproduction. <i>Endocrinology</i> , 2010, 151, 332-340.	1.4	87
22	Novel Bacterial Isolate from Permian Groundwater, Capable of Aggregating Potential Biofuel-Producing Microalga <i>Nannochloropsis oceanica</i> IMET1. <i>Applied and Environmental Microbiology</i> , 2012, 78, 1445-1453.	1.4	86
23	Endocrine Profiles of Female Striped Bass (<i>Morone saxatilis</i>) in Captivity, during Postvitellogenesis and Induction of Final Oocyte Maturation via Controlled-Release GnRHa-Delivery Systems. <i>General and Comparative Endocrinology</i> , 1998, 110, 276-289.	0.8	84
24	Preovulatory Changes in the Levels of Three Gonadotropin-Releasing Hormone-Encoding Messenger Ribonucleic Acids (mRNAs), Gonadotropin I-Subunit mRNAs, Plasma Gonadotropin, and Steroids in the Female Gilthead Seabream, <i>Sparus aurata</i> L. <i>Biology of Reproduction</i> , 1997, 57, 1145-1154.	1.2	79
25	Ontogeny of the GnRH systems in zebrafish brain: in situ hybridization and promoter-reporter expression analyses in intact animals. <i>Cell and Tissue Research</i> , 2006, 327, 313-322.	1.5	79
26	Architecture of GnRH-Gonadotrope-Vasculature Reveals a Dual Mode of Gonadotropin Regulation in Fish. <i>Endocrinology</i> , 2015, 156, 4163-4173.	1.4	79
27	Seasonal changes of responses to gonadotropin-releasing hormone analog in expression of growth hormone/prolactin/somatolactin genes in the pituitary of masu salmon. <i>General and Comparative Endocrinology</i> , 2003, 130, 55-63.	0.8	75
28	Targeted Mutagenesis of the Hypophysiotropic Gnrh3 in Zebrafish (<i>Danio rerio</i>) Reveals No Effects on Reproductive Performance. <i>PLoS ONE</i> , 2016, 11, e0158141.	1.1	72
29	Cloning and functional expression of a thyrotropin receptor from the gonads of a vertebrate (bony fish). <i>Endocrinology</i> , 2000, 167, 1-9.	1.6	70
30	Plasma Gonadotropin II, Sex Steroids, and Thyroid Hormones in Wild Striped Bass (<i>Morone saxatilis</i>) during Spermiation and Final Oocyte Maturation. <i>General and Comparative Endocrinology</i> , 1997, 108, 223-236.	0.8	69
31	Gonadotropin-I and -II Subunit Gene Expression of Male Striped Bass (<i>Morone saxatilis</i>) after Gonadotropin-Releasing Hormone Analogue Injection: Quantitation Using an Optimized Ribonuclease Protection Assay. <i>Biology of Reproduction</i> , 1998, 58, 1233-1240.	1.2	68
32	The gonadotropin-releasing hormones: Lessons from fish. <i>General and Comparative Endocrinology</i> , 2020, 291, 113422.	0.8	68
33	Effects of acute versus sustained administration of GnRHa on GtH release and ovulation in the rainbow trout, <i>Oncorhynchus mykiss</i> . <i>Aquaculture</i> , 1990, 91, 373-383.	1.7	65
34	Endocrine regulation and artificial induction of oocyte maturation and spermiation in basses of the genus <i>Morone</i> . <i>Aquaculture</i> , 2001, 202, 205-220.	1.7	65
35	Seasonal variation of the three native gonadotropin-releasing hormone messenger ribonucleic acids levels in the brain of female red seabream. <i>General and Comparative Endocrinology</i> , 2003, 130, 324-332.	0.8	65
36	Hormonal changes in male white bass (<i>Morone chrysops</i>) and evaluation of milt quality after treatment with GnRHa. <i>Aquaculture</i> , 1997, 153, 301-313.	1.7	64

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37	The Chesapeake Bay Blue Crab (<i>Callinectes sapidus</i>): A Multidisciplinary Approach to Responsible Stock Replenishment. <i>Reviews in Fisheries Science</i> , 2008, 16, 24-34.	2.1	64
38	A diluent for sperm cryopreservation of gilthead seabream, <i>Sparus aurata</i> . <i>Aquaculture</i> , 1990, 90, 345-352.	1.7	59
39	Effect of dietary lipid composition on vitellogenin, 17 β -estradiol and gonadotropin plasma levels and spawning performance in captive sea bass (<i>Dicentrarchus labrax</i> L.). <i>Aquaculture</i> , 1998, 165, 65-79.	1.7	59
40	Changes in Plasma Gonadotropin II and Sex Steroid Hormones, and Sperm Production of Striped Bass after Treatment with Controlled-Release Gonadotropin-Releasing Hormone Agonist-Delivery Systems1. <i>Biology of Reproduction</i> , 1997, 57, 669-675.	1.2	58
41	Gonadotrophin-Releasing Hormone Agonist Stimulates Milt Fluidity and Plasma Concentrations of 17,20 β -Dihydroxylated and 5 β -Reduced, 3 α -Hydroxylated C21Steroids in Male Plaice (<i>Pleuronectes platessa</i>). <i>General and Comparative Endocrinology</i> , 1998, 112, 163-177.	0.8	58
42	The zebrafish as a model system for forebrain GnRH neuronal development. <i>General and Comparative Endocrinology</i> , 2009, 164, 151-160.	0.8	58
43	Knockout of the <i>Gnrh</i> genes in zebrafish: effects on reproduction and potential compensation by reproductive and feeding-related neuropeptides. <i>Biology of Reproduction</i> , 2018, 99, 565-577.	1.2	58
44	Effects of Long-Term Testosterone, Gonadotropin-Releasing Hormone Agonist, and Pimozide Treatments on Gonadotropin II Levels and Ovarian Development in Juvenile Female Striped Bass (<i>Morone saxatilis</i>)1. <i>Biology of Reproduction</i> , 1998, 59, 1153-1162.	1.2	57
45	Differences between Hatchery-Raised and Wild Blue Crabs: Implications for Stock Enhancement Potential. <i>Transactions of the American Fisheries Society</i> , 2004, 133, 1-14.	0.6	57
46	The gonadotropin-inhibitory hormone (<i>Lpxrfa</i>) system's regulation of reproduction in the brain-pituitary axis of the zebrafish (<i>Danio rerio</i>). <i>Biology of Reproduction</i> , 2017, 96, 1031-1042.	1.2	57
47	Sustained administration of GnRH α increases milt volume without altering sperm counts in the sea bass. <i>The Journal of Experimental Zoology</i> , 1996, 276, 361-368.	1.4	55
48	Sexual Differences in Homing Profiles and Shortening of Homing Duration by Gonadotropin-Releasing Hormone Analog Implantation in Lacustrine Sockeye Salmon (<i>Oncorhynchus nerka</i>) in Lake Shikotsu. <i>Zoological Science</i> , 1997, 14, 1009-1014.	0.3	55
49	Comprehensive Analysis of GnRH2 Neuronal Projections in Zebrafish. <i>Scientific Reports</i> , 2014, 4, 3676.	1.6	55
50	Gonadal development and plasma steroid levels during pubertal development in captive-reared striped bass, <i>Morone saxatilis</i> . , 2000, 286, 49-63.		54
51	Early Maturity in the Male Striped Bass, <i>Morone saxatilis</i> : Follicle-Stimulating Hormone and Luteinizing Hormone Gene Expression and Their Regulation by Gonadotropin-Releasing Hormone Analogue and Testosterone1. <i>Biology of Reproduction</i> , 2000, 63, 1691-1697.	1.2	53
52	Production of reproductively sterile fish by a non-transgenic gene silencing technology. <i>Scientific Reports</i> , 2015, 5, 15822.	1.6	53
53	Three forms of GnRH in the brain and pituitary of the turbot, <i>Scophthalmus maximus</i> : immunological characterization and seasonal variation. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2001, 129, 551-558.	0.7	51
54	Developmental Expression of Three Forms of Gonadotropin-Releasing Hormone and Ontogeny of the Hypothalamic-Pituitary-Gonadal Axis in Gilthead Seabream (<i>Sparus aurata</i>)1. <i>Biology of Reproduction</i> , 2004, 71, 1026-1035.	1.2	51

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55	The Medio-Basal Hypothalamus as a Dynamic and Plastic Reproduction-Related Kisspeptin-gnrh-Pituitary Center in Fish. <i>Endocrinology</i> , 2014, 155, 1874-1886.	1.4	51
56	Ontogeny of Follicle-Stimulating Hormone and Luteinizing Hormone Gene Expression During Pubertal Development in the Female Striped Bass, <i>Morone saxatilis</i> (Teleostei)1. <i>Biology of Reproduction</i> , 1999, 61, 1608-1615.	1.2	50
57	Characterization of a pituitary GnRH-receptor from a perciform fish, <i>Morone saxatilis</i> : functional expression in a fish cell line. <i>Molecular and Cellular Endocrinology</i> , 2000, 168, 65-75.	1.6	50
58	Molecular Biology of Ovarian Aromatase in Sex Reversal: Complementary DNA and 5' Flanking Region Isolation and Differential Expression of Ovarian Aromatase in the Gilthead Seabream (<i>Sparus aurata</i>)1. <i>Biology of Reproduction</i> , 2006, 74, 857-864.	1.2	50
59	Morphological conditioning of a hatchery-raised invertebrate, <i>Callinectes sapidus</i> , to improve field survivorship after release. <i>Aquaculture</i> , 2005, 243, 147-158.	1.7	49
60	Noninvasive, mass marking of fish by immersion in calcein: evaluation of fish size and ultrasound exposure on mark endurance. <i>Aquaculture</i> , 2002, 214, 169-183.	1.7	46
61	Cxcl12/Cxcr4b signaling is important for proper development of the forebrain GnRH system in zebrafish. <i>General and Comparative Endocrinology</i> , 2010, 165, 262-268.	0.8	46
62	Application of controlled-release, GnRHa-delivery systems in commercial production of white bass X striped bass hybrids (sunshine bass), using captive broodstocks. <i>Aquaculture</i> , 1996, 140, 265-280.	1.7	45
63	GnRH Analog Stimulates Gonadotropin II Gene Expression in Maturing Sockeye Salmon. <i>Zoological Science</i> , 1998, 15, 761-765.	0.3	45
64	Release Strategies for Estuarine Species with Complex Migratory Life Cycles: Stock Enhancement of Chesapeake Blue Crabs (<i>Callinectes sapidus</i>). <i>Reviews in Fisheries Science</i> , 2008, 16, 175-185.	2.1	44
65	Chronic kisspeptin administration stimulated gonadal development in pre-pubertal male yellowtail kingfish (<i>Seriola lalandi</i> ; Perciformes) during the breeding and non-breeding season. <i>General and Comparative Endocrinology</i> , 2013, 191, 168-176.	0.8	44
66	Production of reproductively sterile fish: A mini-review of germ cell elimination technologies. <i>General and Comparative Endocrinology</i> , 2015, 221, 3-8.	0.8	41
67	Temporal profile of β^2 follicle-stimulating hormone, β^2 luteinizing hormone, and growth hormone gene expression in the protandrous hermaphrodite, gilthead seabream, <i>Sparus aurata</i> . <i>General and Comparative Endocrinology</i> , 2004, 137, 288-299.	0.8	38
68	Nasal embryonic LHRH factor plays a role in the developmental migration and projection of gonadotropin-releasing hormone 3 neurons in zebrafish. <i>Developmental Dynamics</i> , 2009, 238, 66-75.	0.8	36
69	Age-Related Sperm Quality of Captive Striped Bass <i>Morone saxatilis</i> . <i>Journal of the World Aquaculture Society</i> , 1999, 30, 65-72.	1.2	35
70	Agouti-Related Protein 2 Is a New Player in the Teleost Stress Response System. <i>Current Biology</i> , 2019, 29, 2009-2019.e7.	1.8	35
71	Fish reproductive biology – Reflecting on five decades of fundamental and translational research. <i>General and Comparative Endocrinology</i> , 2021, 300, 113544.	0.8	35
72	Knockout of <i>Gnrh2</i> in zebrafish (<i>Danio rerio</i>) reveals its roles in regulating feeding behavior and oocyte quality. <i>General and Comparative Endocrinology</i> , 2019, 280, 15-23.	0.8	34

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73	Hormone Profiles of Captive Striped Bass <i>Morone saxatilis</i> During Spermiation, and Long-Term Enhancement of Milt Production. <i>Journal of the World Aquaculture Society</i> , 1998, 29, 379-392.	1.2	33
74	Gonadotropin-Releasing Hormone Analog and Sex Steroids Shorten Homing Duration of Sockeye Salmon in Lake Shikotsu. <i>Zoological Science</i> , 1998, 15, 767-771.	0.3	33
75	Assessing the potential for stock enhancement in the case of the Chesapeake Bay blue crab (<i>Callinectes</i>) Tj ETQq1 1 0.784314 rgBT / 0.7 33	0.7	33
76	The combined effects of temperature and GnRHa treatment on the final stages of sexual maturation in Atlantic salmon (<i>Salmo salar</i> L.) females. <i>Fish Physiology and Biochemistry</i> , 2008, 34, 289-298.	0.9	31
77	Kisspeptin Antagonists Reveal Kisspeptin 1 and Kisspeptin 2 Differential Regulation of Reproduction in the Teleost, <i>Morone saxatilis</i> . <i>Biology of Reproduction</i> , 2015, 93, 76.	1.2	31
78	Physiological changes in the spawning gilthead seabream, <i>Sparus aurata</i> , succeeding the removal of males. <i>The Journal of Experimental Zoology</i> , 2002, 292, 555-564.	1.4	28
79	Involvement of hormones in olfactory imprinting and homing in chum salmon. <i>Scientific Reports</i> , 2016, 6, 21102.	1.6	28
80	Do Hatchery-Reared Blue Crabs Differ from Wild Crabs, and Does it Matter?. <i>Reviews in Fisheries Science</i> , 2008, 16, 254-261.	2.1	27
81	Neurokinin B regulates reproduction via inhibition of kisspeptin in a teleost, the striped bass. <i>Journal of Endocrinology</i> , 2017, 233, 159-174.	1.2	26
82	Effects of Gonadotropin-Releasing Hormone Analog on Expression of Genes Encoding the Growth Hormone/Prolactin/Somatolactin Family and a Pituitary-Specific Transcription Factor in the Pituitaries of Prespawning Sockeye Salmon. <i>General and Comparative Endocrinology</i> , 2000, 118, 418-424.	0.8	22
83	Follicle stimulating hormone (FSH) and luteinizing hormone (LH) gene expression during larval development in Senegalese sole (<i>Solea senegalensis</i>). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2009, 154, 37-43.	0.8	21
84	Acceleration of Gonadal Maturation in Anadromous Maturing Sockeye Salmon by Gonadotropin-Releasing Hormone Analog Implantation. <i>Fisheries Science</i> , 1998, 64, 948-951.	0.7	20
85	Characterization of Gonadotropin-Releasing Hormone Binding to Pituitary Receptors in the Gilthead Seabream (<i>Sparus Aurata</i>). <i>Biology of Reproduction</i> , 1992, 47, 1004-1008.	1.2	16
86	Gnrh2 maintains reproduction in fasting zebrafish through dynamic neuronal projection changes and regulation of gonadotropin synthesis, oogenesis, and reproductive behaviors. <i>Scientific Reports</i> , 2021, 11, 6657.	1.6	15
87	The effects of long-term testosterone, gonadotropin-releasing hormone agonist and pimozide treatments on testicular development and luteinizing hormone levels in juvenile and early maturing striped bass, <i>Morone saxatilis</i> . <i>General and Comparative Endocrinology</i> , 2002, 129, 178-187.	0.8	14
88	A half century of fish gonadotropin-releasing hormones: Breaking paradigms. <i>Journal of Neuroendocrinology</i> , 2022, 34, e13069.	1.2	13
89	Modulation of Testicular Androgen Production in Adolescent African Catfish (<i>Clarias gariepinus</i>). <i>General and Comparative Endocrinology</i> , 1997, 108, 56-66.	0.8	11
90	Sperm Characteristics of Precocious 1-year-old Male Striped Bass <i>Morone saxatilis</i> . <i>Journal of the World Aquaculture Society</i> , 1996, 27, 208-212.	1.2	11

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91	Recombinant perciform GnRH-R activates different signaling pathways in fish and mammalian heterologous cell lines. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2001, 129, 375-380.	0.7	9
92	Influence of tidal cycles on the endocrine control of reproductive activity in common snook (<i>Centropomus undecimalis</i>). <i>General and Comparative Endocrinology</i> , 2015, 224, 247-259.	0.8	9
93	Effects of dorsal aorta cannulation on cortisol and other stress parameters in the euryhaline tilapia, <i>Oreochromis mossambicus</i> . <i>Aquaculture</i> , 1995, 135, 216.	1.7	7
94	Photoperiodism in Fish. , 2018, , 400-408.		7
95	Sustained administration of GnRHa increases milt volume without altering sperm counts in the sea bass. , 1996, 276, 361.		7
96	Effects of Phase-Shifted Photoperiod Regimes on Oocyte Growth and Hormonal Profiles in Female Striped Bass <i>Morone saxatilis</i> . <i>Journal of the World Aquaculture Society</i> , 2002, 33, 358-368.	1.2	6
97	Development and Validation of a Radioimmunoassay for Studying Plasma Levels of Gonadotropin II (GtH-II) in Striped Bass (<i>Morone saxatilis</i>). <i>Annals of the New York Academy of Sciences</i> , 1998, 839, 425-426.	1.8	5
98	Vasoactive Intestinal Peptide Indirectly Elicits Pituitary LH Secretion Independent of GnRH in Female Zebrafish. <i>Endocrinology</i> , 2022, 163, .	1.4	5
99	GnRH isoforms expression in relation to the gonadal cycle and to dominance rank in the Gilthead seabream, <i>Sparus aurata</i> . <i>Fish Physiology and Biochemistry</i> , 2013, 39, 993-1005.	0.9	4
100	First data on aquaculture of the <scp>Tripletail</scp>, <scp><i>Lobotes surinamensis</i></scp>, a promising candidate species for U.S. marine aquaculture. <i>Journal of the World Aquaculture Society</i> , 2021, 52, 582-594.	1.2	4
101	Marine Biotechnology: Realizing the Potential. <i>Marine Technology Society Journal</i> , 2007, 41, 24-31.	0.3	2
102	Editorial. <i>General and Comparative Endocrinology</i> , 2015, 221, 1-2.	0.8	2
103	Seasonal expression of arginine vasotocin mRNA and its correlations to gonadal steroidogenic enzymes and sexually dimorphic coloration during sex reversal in the gilthead seabream (<i>Sparus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock		
104	Reproductive Technology (Non-human/Non-primate): Sex Control and Sterilization in Fish. , 2018, , 796-801.		1
105	Induced Spawning of F1 Wreckfish (<i>Häpuku</i>) <i>Polyprion oxygeneios</i> Using a Synthetic Agonist of Gonadotropin-Releasing Hormone. <i>Fishes</i> , 2019, 4, 41.	0.7	1
106	The Role of Netrins and Hedgehog in the Early Development of the Zebrafish GnRH1 System.. <i>Biology of Reproduction</i> , 2008, 78, 177-177.	1.2	0
107	Editorial (Thematic Issue: Current Advances in Marine Biotechnology). <i>Current Biotechnology</i> , 2015, 4, 211-211.	0.2	0
108	Chemogenetic Depletion of Hypophysiotropic GnRH Neurons Does Not Affect Fertility in Mature Female Zebrafish. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5596.	1.8	0