

Jose Miguel Cerda-Reverter

List of Publications by Year in descending order

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85
papers

4,467
citations

81839

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86
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86
docs citations

86
times ranked

2887
citing authors

#	ARTICLE	IF	CITATIONS
1	Neuropeptides and the control of food intake in fish. <i>General and Comparative Endocrinology</i> , 2005, 142, 3-19.	0.8	511
2	Neuropeptide Y family of peptides: Structure, anatomical expression, function, and molecular evolution. <i>Biochemistry and Cell Biology</i> , 2000, 78, 371-392.	0.9	205
3	Molecular Cloning, Pharmacological Characterization, and Brain Mapping of the Melanocortin 4 Receptor in the Goldfish: Involvement in the Control of Food Intake. <i>Endocrinology</i> , 2003, 144, 2336-2349.	1.4	161
4	The central melanocortin system regulates food intake in goldfish. <i>Regulatory Peptides</i> , 2003, 115, 101-113.	1.9	139
5	Endogenous Melanocortin Antagonist in Fish: Structure, Brain Mapping, and Regulation by Fasting of the Goldfish Agouti-Related Protein Gene. <i>Endocrinology</i> , 2003, 144, 4552-4561.	1.4	130
6	Evolutionary conservation of the structural, pharmacological, and genomic characteristics of the melanocortin receptor subtypes. <i>Peptides</i> , 2005, 26, 1886-1900.	1.2	116
7	Hypothalamic Integration of Metabolic, Endocrine, and Circadian Signals in Fish: Involvement in the Control of Food Intake. <i>Frontiers in Neuroscience</i> , 2017, 11, 354.	1.4	109
8	Central regulation of food intake in fish: an evolutionary perspective. <i>Journal of Molecular Endocrinology</i> , 2018, 60, R171-R199.	1.1	108
9	Expression of long-chain polyunsaturated fatty acid (LC-PUFA) biosynthesis genes during zebrafish <i>Danio rerio</i> early embryogenesis. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2009, 1791, 1093-1101.	1.2	106
10	Fish pigmentation and the melanocortin system. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2017, 211, 26-33.	0.8	102
11	Expression and role of Elovl4 elongases in biosynthesis of very long-chain fatty acids during zebrafish <i>Danio rerio</i> early embryonic development. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2010, 1801, 1145-1154.	1.2	100
12	Fish melanocortin system. <i>European Journal of Pharmacology</i> , 2011, 660, 53-60.	1.7	92
13	Gene Structure of the Goldfish Agouti-Signaling Protein: A Putative Role in the Dorsal-Ventral Pigment Pattern of Fish. <i>Endocrinology</i> , 2005, 146, 1597-1610.	1.4	85
14	A comparative ex vivo and in vivo study of day and night perception in teleosts species using the melatonin rhythm. <i>Journal of Pineal Research</i> , 2006, 41, 42-52.	3.4	82
15	Role of melanocortin receptor accessory proteins in the function of zebrafish melanocortin receptor type 2. <i>Molecular and Cellular Endocrinology</i> , 2010, 320, 145-152.	1.6	81
16	Characterization of neuropeptide Y expression in the brain of a perciform fish, the sea bass (<i>Dicentrarchus labrax</i>). <i>Journal of Chemical Neuroanatomy</i> , 2000, 19, 197-210.	1.0	80
17	Cytoarchitectonic study of the brain of a perciform species, the sea bass (<i>Dicentrarchus labrax</i>). II. The diencephalon. <i>Journal of Morphology</i> , 2001, 247, 229-251.	0.6	80
18	Cytoarchitectonic study of the brain of a perciform species, the sea bass (<i>Dicentrarchus labrax</i>). I. The telencephalon. <i>Journal of Morphology</i> , 2001, 247, 217-228.	0.6	74

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19	Effect of different glycaemic conditions on gene expression of neuropeptides involved in control of food intake in rainbow trout; interaction with stress. <i>Journal of Experimental Biology</i> , 2010, 213, 3858-3865.	0.8	74
20	Molecular evolution of the neuropeptide Y (NPY) family of peptides: cloning of three NPY-related peptides from the sea bass (<i>Dicentrarchus labrax</i>). <i>Regulatory Peptides</i> , 2000, 95, 25-34.	1.9	73
21	Stress-induced effects on feeding behavior and growth performance of the sea bass (<i>Dicentrarchus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 <i>Environmental Physiology</i> , 2011, 181, 1035-1044.	0.7	69
22	Molecular characterization of two sea bass gonadotropin receptors: cDNA cloning, expression analysis, and functional activity. <i>Molecular and Cellular Endocrinology</i> , 2007, 272, 63-76.	1.6	67
23	Time-course studies on plasma glucose, insulin, and cortisol in sea bass (<i>Dicentrarchus labrax</i>) held under different photoperiodic regimes. <i>Physiology and Behavior</i> , 1998, 64, 245-250.	1.0	64
24	Melanocortin 4 Receptor Becomes an ACTH Receptor by Coexpression of Melanocortin Receptor Accessory Protein 2. <i>Molecular Endocrinology</i> , 2013, 27, 1934-1945.	3.7	64
25	MELATONIN-SYNTHESIZING ENZYMES IN PINEAL, RETINA, LIVER, AND GLUT OF THE GOLDFISH (<i>CARASSIUS</i>): mRNA EXPRESSION PATTERN AND REGULATION OF DAILY RHYTHMS BY LIGHTING CONDITIONS. <i>Chronobiology International</i> , 2010, 27, 1178-1201.	0.9	63
26	Cloning and Expression of Gonadotropin-Releasing Hormone Receptor in the Brain and Pituitary of the European Sea Bass: An In Situ Hybridization Study1. <i>Biology of Reproduction</i> , 2004, 70, 1380-1391.	1.2	62
27	Reduction of sexual maturation in male <i>Dicentrarchus labrax</i> by continuous light both before and during gametogenesis. <i>Aquaculture</i> , 2008, 275, 347-355.	1.7	61
28	Chapter 1 Neuroendocrine Systems of the Fish Brain. <i>Fish Physiology</i> , 2009, 28, 3-74.	0.2	61
29	Phosphodiesterase inhibitor-dependent inverse agonism of agouti-related protein on melanocortin 4 receptor in sea bass (<i>Dicentrarchus labrax</i>). <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009, 296, R1293-R1306.	0.9	60
30	Lipoprotein lipase (LPL) is highly expressed and active in the ovary of European sea bass (<i>Dicentrarchus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 & Integrative Physiology, 2008, 150, 347-354.	0.8	58
31	Pigment patterns in adult fish result from superimposition of two largely independent pigmentation mechanisms. <i>Pigment Cell and Melanoma Research</i> , 2015, 28, 196-209.	1.5	55
32	Evolution of the melanocortin system. <i>General and Comparative Endocrinology</i> , 2014, 209, 3-10.	0.8	54
33	Characterization, tissue distribution and regulation by fasting of the agouti family of peptides in the sea bass (<i>Dicentrarchus labrax</i>). <i>General and Comparative Endocrinology</i> , 2014, 205, 251-259.	0.8	53
34	Molecular cloning, characterization and brain mapping of the melanocortin 5 receptor in the goldfish. <i>Journal of Neurochemistry</i> , 2003, 87, 1354-1367.	2.1	46
35	Regulation of the Hypothalamic Melanin-Concentrating Hormone Neurons by Sex Steroids in the Goldfish: Possible Role in the Modulation of Luteinizing Hormone Secretion. <i>Neuroendocrinology</i> , 2006, 84, 364-377.	1.2	45
36	Ghrelin modulates hypothalamic fatty acid-sensing and control of food intake in rainbow trout. <i>Journal of Endocrinology</i> , 2016, 228, 25-37.	1.2	45

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37	Countershading in zebrafish results from an Asip1 controlled dorsoventral gradient of pigment cell differentiation. <i>Scientific Reports</i> , 2019, 9, 3449.	1.6	45
38	In situ localization of preprogalanin mRNA in the goldfish brain and changes in its expression during feeding and starvation. <i>General and Comparative Endocrinology</i> , 2004, 136, 200-207.	0.8	43
39	Characterization of the sea bass melanocortin 5 receptor: a putative role in hepatic lipid metabolism. <i>Journal of Experimental Biology</i> , 2009, 212, 3901-3910.	0.8	41
40	Transient Ectopic Overexpression of Agouti-Signalling Protein 1 (Asip1) Induces Pigment Anomalies in Flatfish. <i>PLoS ONE</i> , 2012, 7, e48526.	1.1	41
41	Peptide YY (PYY) and fish pancreatic peptide Y (PY) expression in the brain of the sea bass (<i>Dicentrarchus labrax</i>) as revealed by in situ hybridization. <i>Journal of Comparative Neurology</i> , 2000, 426, 197-208.	0.9	40
42	Molecular characterization and central distribution of the estradiol receptor alpha (ER α) in the sea bass (<i>Dicentrarchus labrax</i>). <i>Journal of Chemical Neuroanatomy</i> , 2008, 35, 33-48.	1.0	38
43	Molecular Characterization and Functional Regulation of Melanocortin 2 Receptor (MC2R) in the Sea Bass. A Putative Role in the Adaptation to Stress. <i>PLoS ONE</i> , 2013, 8, e65450.	1.1	37
44	Molecular and pharmacological characterization of the melanocortin type 1 receptor in the sea bass. <i>General and Comparative Endocrinology</i> , 2010, 165, 163-169.	0.8	35
45	Behind melanocortin antagonist overexpression in the zebrafish brain: A behavioral and transcriptomic approach. <i>Hormones and Behavior</i> , 2016, 82, 87-100.	1.0	34
46	Distribution of estrogen receptor 2 mRNAs (Esr2a and Esr2b) in the brain and pituitary of the sea bass (<i>Dicentrarchus labrax</i>). <i>Brain Research</i> , 2008, 1210, 126-141.	1.1	33
47	Compensatory feeding in the sea bass after fasting and physical stress. <i>Aquaculture</i> , 2010, 298, 332-337.	1.7	33
48	Loss of function mutations in the melanocortin 1 receptor cause disruption of dorsoventral countershading in teleost fish. <i>Pigment Cell and Melanoma Research</i> , 2019, 32, 817-828.	1.5	31
49	Development of Enzyme Immunoassays for 3,5,3 α -Triiodo-L-thyronine and L-Thyroxine: Time-Course Studies on the Effect of Food Deprivation on Plasma Thyroid Hormones in Two Marine Teleosts, Sea Bass (<i>Dicentrarchus labrax</i> L.) and Sea Bream (<i>Sparus aurata</i> L.). <i>General and Comparative Endocrinology</i> , 1996, 103, 290-300.	0.8	30
50	Brain mapping of three somatostatin encoding genes in the goldfish. <i>Journal of Comparative Neurology</i> , 2004, 474, 43-57.	0.9	30
51	A cytoarchitectonic study of the brain of a perciform species, the sea bass (<i>Dicentrarchus labrax</i>): The midbrain and hindbrain. <i>Acta Histochemica</i> , 2008, 110, 433-450.	0.9	30
52	Thyroid Hormones Regulate Zebrafish Melanogenesis in a Gender-Specific Manner. <i>PLoS ONE</i> , 2016, 11, e0166152.	1.1	30
53	Pigment-dispersing activities and cortisol-releasing activities of melanocortins and their receptors in xanthophores and head kidneys of the goldfish <i>Carassius auratus</i> . <i>General and Comparative Endocrinology</i> , 2011, 173, 438-446.	0.8	28
54	Involvement of melanocortin receptor accessory proteins (MRAPs) in the function of melanocortin receptors. <i>General and Comparative Endocrinology</i> , 2013, 188, 133-136.	0.8	24

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55	Morphological and Molecular Characterization of Dietary-Induced Pseudo-Albinism during Post-Embryonic Development of <i>Solea senegalensis</i> (Kaup, 1858). <i>PLoS ONE</i> , 2013, 8, e68844.	1.1	24
56	Signal Transduction and Pathogenic Modifications at the Melanocortin-4 Receptor: A Structural Perspective. <i>Frontiers in Endocrinology</i> , 2019, 10, 515.	1.5	24
57	Effects of dopaminergic system activation on feeding behavior and growth performance of the sea bass (<i>Dicentrarchus labrax</i>): A self-feeding approach. <i>Hormones and Behavior</i> , 2013, 64, 113-121.	1.0	23
58	Effects of acute handling stress on short-term central expression of orexigenic/anorexigenic genes in zebrafish. <i>Fish Physiology and Biochemistry</i> , 2018, 44, 257-272.	0.9	23
59	Sex steroid-induced inhibition of food intake in sea bass (<i>Dicentrarchus labrax</i>). <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2009, 179, 77-86.	0.7	21
60	Energetic dependence of NPY-induced LH secretion in a teleost fish (<i>Dicentrarchus labrax</i>). <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1999, 277, R1627-R1634.	0.9	20
61	60 YEARS OF POMC: POMC: an evolutionary perspective. <i>Journal of Molecular Endocrinology</i> , 2016, 56, T113-T118.	1.1	20
62	Expression of genes for melanotropic peptides and their receptors for morphological color change in goldfish <i>Carassius auratus</i> . <i>General and Comparative Endocrinology</i> , 2018, 264, 138-150.	0.8	20
63	Assessment of estrogenic and thyrogenic activities in fish feeds. <i>Aquaculture</i> , 2012, 338-341, 172-180.	1.7	19
64	Melanocortin Receptor Accessory Protein 2-Induced Adrenocorticotrophic Hormone Response of Human Melanocortin 4 Receptor. <i>Journal of the Endocrine Society</i> , 2019, 3, 314-323.	0.1	19
65	BAC Recombineering of the <i>Agouti</i> Loci from Spotted Gar and Zebrafish Reveals the Evolutionary Ancestry of Dorsal-Ventral Pigment Asymmetry in Fish. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2017, 328, 697-708.	0.6	18
66	The C-terminal domains of melanocortin-2 receptor (MC2R) accessory proteins (MRAP1) influence their localization and ACTH-induced cAMP production. <i>General and Comparative Endocrinology</i> , 2012, 176, 265-274.	0.8	17
67	Pth4, an ancient parathyroid hormone lost in eutherian mammals, reveals a new brain-bone signaling pathway. <i>FASEB Journal</i> , 2017, 31, 569-583.	0.2	17
68	Identification of Distant Agouti-Like Sequences and Re-Evaluation of the Evolutionary History of the Agouti-Related Peptide (AgRP). <i>PLoS ONE</i> , 2012, 7, e40982.	1.1	17
69	Cloning of Neuropeptide Y, Peptide YY, and Peptide Y from Sea Bass (<i>Dicentrarchus labrax</i>), A Marine Teleosta. <i>Annals of the New York Academy of Sciences</i> , 1998, 839, 493-495.	1.8	15
70	Melanocortin receptor accessory protein 2 (MRAP2) interplays with the zebrafish melanocortin 1 receptor (MC1R) but has no effect on its pharmacological profile. <i>General and Comparative Endocrinology</i> , 2014, 201, 30-36.	0.8	14
71	Cloning the neuropeptide Y Exon 2 from sea bass (<i>Dicentrarchus labrax</i>). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 1999, 123, 181-186.	0.7	13
72	Sensing Glucose in the Central Melanocortin Circuits of Rainbow Trout: A Morphological Study. <i>Frontiers in Endocrinology</i> , 2019, 10, 254.	1.5	11

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73	Glucosensing capacity of rainbow trout telencephalon. <i>Journal of Neuroendocrinology</i> , 2018, 30, e12583.	1.2	10
74	Fish Pigmentation. A Key Issue for the Sustainable Development of Fish Farming. , 2018, , 229-252.		10
75	Molecular cloning and characterization of the matricellular protein Sparc/osteonectin in flatfish, <i>Scophthalmus maximus</i> , and its developmental stage-dependent transcriptional regulation during metamorphosis. <i>Gene</i> , 2015, 568, 129-139.	1.0	9
76	Insights into the Function and Evolution of Taste 1 Receptor Gene Family in the Carnivore Fish Gilthead Seabream (<i>Sparus aurata</i>). <i>International Journal of Molecular Sciences</i> , 2020, 21, 7732.	1.8	9
77	Evolution of proopiomelanocortin. <i>Vitamins and Hormones</i> , 2019, 111, 1-16.	0.7	8
78	Growth Performance After Agouti-Signaling Protein 1 (<i>Asip1</i>) Overexpression in Transgenic Zebrafish. <i>Zebrafish</i> , 2020, 17, 373-381.	0.5	8
79	Brain transcriptome profile after CRISPR-induced ghrelin mutations in zebrafish. <i>Fish Physiology and Biochemistry</i> , 2020, 46, 1-21.	0.9	5
80	Characterization of sea bass FSH β 5â€² flanking region: transcriptional control by 17 β -estradiol. <i>Fish Physiology and Biochemistry</i> , 2014, 40, 849-864.	0.9	4
81	Enhanced growth without accelerated puberty in fish: A role for the melanocortin system. <i>Aquaculture</i> , 2021, 540, 736721.	1.7	4
82	Data on the density of xanthophores in a whole scale of goldfish acclimated to white or black background color. <i>Data in Brief</i> , 2017, 14, 724-729.	0.5	3
83	Distribution of two isoforms of tryptophan hydroxylase in the brain of rainbow trout (<i>Oncorhynchus mykiss</i>). An in situ hybridization study. <i>Brain Structure and Function</i> , 2021, 226, 2265-2278.	1.2	3
84	Dietary discrimination using a dual-choice self-feeding system in seabream (<i>Sparus aurata</i>). <i>Aquaculture</i> , 2022, 559, 738449.	1.7	1
85	Spots, not stripes, from just holding on. <i>Pigment Cell and Melanoma Research</i> , 2015, 28, 644-646.	1.5	0