

Jean-Charles Gabillard

List of Publications by Year in descending order

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citations

279487

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38
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43
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43
docs citations

43
times ranked

4558
citing authors

#	ARTICLE	IF	CITATIONS
1	Myostatin and the skeletal muscle atrophy and hypertrophy signaling pathways. Cellular and Molecular Life Sciences, 2014, 71, 4361-4371.	2.4	297
2	Effect of refeeding on IGF1, IGFII, IGF receptors, FGF2, FGF6, and myostatin mRNA expression in rainbow trout myotomal muscle. General and Comparative Endocrinology, 2003, 132, 209-215.	0.8	181
3	Coordinated regulation of the GH/IGF system genes during refeeding in rainbow trout (Oncorhynchus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 6	1.2	177
4	An in vivo and in vitro assessment of TOR signaling cascade in rainbow trout (<i>Oncorhynchus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6 295, R329-R335.	0.9	153
5	Role of insulin, insulin-like growth factors, and muscle regulatory factors in the compensatory growth of the trout (Oncorhynchus mykiss). General and Comparative Endocrinology, 2007, 150, 462-472.	0.8	115
6	Effects of environmental temperature on IGF1, IGF2, and IGF type I receptor expression in rainbow trout (Oncorhynchus mykiss). General and Comparative Endocrinology, 2003, 133, 233-242.	0.8	112
7	Insulin-Like Growth Factor-Binding Protein (IGFBP)-1, -2, -3, -4, -5, and -6 and IGFBP-Related Protein 1 during Rainbow Trout Postvitellogenesis and Oocyte Maturation: Molecular Characterization, Expression Profiles, and Hormonal Regulation. Endocrinology, 2006, 147, 2399-2410.	1.4	100
8	Revisiting the paradigm of myostatin in vertebrates: Insights from fishes. General and Comparative Endocrinology, 2013, 194, 45-54.	0.8	69
9	Characterization of an extensive rainbow trout miRNA transcriptome by next generation sequencing. BMC Genomics, 2016, 17, 164.	1.2	69
10	Myomaker mediates fusion of fast myocytes in zebrafish embryos. Biochemical and Biophysical Research Communications, 2014, 451, 480-484.	1.0	68
11	In vitro characterization of proliferation and differentiation of trout satellite cells. Cell and Tissue Research, 2010, 342, 471-477.	1.5	65
12	Myostatin inhibits proliferation but not differentiation of trout myoblasts. Molecular and Cellular Endocrinology, 2012, 351, 220-226.	1.6	52
13	Leucine limitation regulates myf5 and myoD expression and inhibits myoblast differentiation. Experimental Cell Research, 2012, 318, 217-227.	1.2	48
14	Amino acids downregulate the expression of several autophagy-related genes in rainbow trout myoblasts. Autophagy, 2012, 8, 364-375.	4.3	47
15	Differential expression of the two GH genes during embryonic development of rainbow trout oncorhynchus mykiss in relation with the IGFs system. Molecular Reproduction and Development, 2003, 64, 32-40.	1.0	45
16	Myostatin induces atrophy of trout myotubes through inhibiting the TORC1 signaling and promoting Ubiquitinâ€“Proteasome and Autophagy-Lysosome degradative pathways. General and Comparative Endocrinology, 2013, 186, 9-15.	0.8	42
17	Environmental temperature increases plasma GH levels independently of nutritional status in rainbow trout (Oncorhynchus mykiss). General and Comparative Endocrinology, 2003, 133, 17-26.	0.8	38
18	Effect of temperature on gene expression of the Gh/Igf system during embryonic development in rainbow trout (Oncorhynchus mykiss). The Journal of Experimental Zoology, 2003, 298A, 134-142.	1.4	36

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19	Differential expression of two GH receptor mRNAs following temperature change in rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Journal of Endocrinology</i> , 2006, 190, 29-37.	1.2	35
20	Gene expression profile during proliferation and differentiation of rainbow trout adipocyte precursor cells. <i>BMC Genomics</i> , 2017, 18, 347.	1.2	33
21	Preparation of Primary Myogenic Precursor Cell/Myoblast Cultures from Basal Vertebrate Lineages. <i>Journal of Visualized Experiments</i> , 2014, , .	0.2	31
22	Influence of early postnatal cold exposure on myofiber maturation in pig skeletal muscle. <i>Journal of Muscle Research and Cell Motility</i> , 2001, 22, 439-452.	0.9	28
23	Aurora-C interacts with and phosphorylates the transforming acidic coiled-coil 1 protein. <i>Biochemical and Biophysical Research Communications</i> , 2011, 408, 647-653.	1.0	26
24	Autophagy in farm animals: current knowledge and future challenges. <i>Autophagy</i> , 2021, 17, 1809-1827.	4.3	19
25	FoxO1 is not a key transcription factor in the regulation of <i>myostatin</i> (<i>mstn-1a</i> and <i>mstn-1b</i>) gene expression in trout myotubes. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011, 301, R97-R104.	0.9	16
26	Gene expression profiling of trout regenerating muscle reveals common transcriptional signatures with hyperplastic growth zones of the post-embryonic myotome. <i>BMC Genomics</i> , 2016, 17, 810.	1.2	16
27	miR-210 expression is associated with methionine-induced differentiation of trout satellite cells. <i>Journal of Experimental Biology</i> , 2017, 220, 2932-2938.	0.8	16
28	Evolutionary history and epigenetic regulation of the three paralogous <i>pax7</i> genes in rainbow trout. <i>Cell and Tissue Research</i> , 2015, 359, 715-727.	1.5	14
29	Dynamic expression of <i>tgf-β2</i> , <i>tgf-β3</i> and <i>inhibin βA</i> during muscle growth resumption and satellite cell differentiation in rainbow trout (<i>Oncorhynchus mykiss</i>). <i>General and Comparative Endocrinology</i> , 2015, 210, 23-29.	0.8	14
30	Distribution of H3K27me3, H3K9me3, and H3K4me3 along autophagy-related genes highly expressed in starved zebrafish myotubes. <i>Biology Open</i> , 2017, 6, 1720-1725.	0.6	14
31	Trout myomaker contains 14 minisatellites and two sequence extensions but retains fusogenic function. <i>Journal of Biological Chemistry</i> , 2019, 294, 6364-6374.	1.6	12
32	The production of fluorescent transgenic trout to study in vitro myogenic cell differentiation. <i>BMC Biotechnology</i> , 2010, 10, 39.	1.7	10
33	Identification of TGF- β 2, <i>inhibin βA</i> and follistatin paralogs in the rainbow trout genome. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2014, 177-178, 46-55.	0.7	9
34	Myomixer is expressed during embryonic and post-larval hyperplasia, muscle regeneration and differentiation of myoblasts in rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Gene</i> , 2021, 790, 145688.	1.0	7
35	The IGF/IGFBP system in rainbow trout (<i>Oncorhynchus mykiss</i>) adipose tissue: expression related to regional localization and cell type. <i>Fish Physiology and Biochemistry</i> , 2011, 37, 843-852.	0.9	5
36	Histological, transcriptomic and in vitro analysis reveal an intrinsic activated state of myogenic precursors in hyperplastic muscle of trout. <i>BMC Genomics</i> , 2018, 19, 865.	1.2	4

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37	Influence of circulating GH levels on GH-binding capacity measurements in the hepatic membrane of rainbow trout (<i>Oncorhynchus mykiss</i>): importance of normalization of results. <i>Fish Physiology and Biochemistry</i> , 2006, 32, 121-130.	0.9	3
38	Naa15 knockdown enhances c2c12 myoblast fusion and induces defects in zebrafish myotome morphogenesis. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2019, 228, 61-67.	0.7	1