Jean-Charles Gabillard

List of Publications by Citations

38 papers	1,576 citations	20 h-index	39 g-index
43 ext. papers	1,862 ext. citations	3.9 avg, IF	4.33 L-index

#	Paper	IF	Citations
38	Myostatin and the skeletal muscle atrophy and hypertrophy signaling pathways. *Cellular and Molecular Life Sciences*, **2014**, 71, 4361-71	10.3	195
37	Effect of refeeding on IGFI, IGFII, IGF receptors, FGF2, FGF6, and myostatin mRNA expression in rainbow trout myotomal muscle. *General and Comparative Endocrinology*, **2003**, 132, 209-15	3	163
36	An in vivo and in vitro assessment of TOR signaling cascade in rainbow trout (Oncorhynchus mykiss). *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2008**, 295, R329-35	3.2	138
35	Coordinated regulation of the GH/IGF system genes during refeeding in rainbow trout (Oncorhynchus mykiss). *Journal of Endocrinology*, **2006**, 191, 15-24	4.7	135
34	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, 462-72	3	103
33	Effects of environmental temperature on IGF1, IGF2, and IGF type I receptor expression in rainbow trout (Oncorhynchus mykiss). *General and Comparative Endocrinology*, **2003**, 133, 233-42	3	98
32	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, 2399-410	4.8	88
31	Characterization of an extensive rainbow trout miRNA transcriptome by next generation sequencing. *BMC Genomics*, **2016**, 17, 164	4.5	52
30	In vitro characterization of proliferation and differentiation of trout satellite cells. *Cell and Tissue Research*, **2010**, 342, 471-7	4.2	47
29	Myomaker mediates fusion of fast myocytes in zebrafish embryos. *Biochemical and Biophysical Research Communications*, **2014**, 451, 480-4	3.4	45
28	Revisiting the paradigm of myostatin in vertebrates: insights from fishes. *General and Comparative Endocrinology*, **2013**, 194, 45-54	3	45
27	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	2.6	44
26	Amino acids downregulate the expression of several autophagy-related genes in rainbow trout myoblasts. *Autophagy*, **2012**, 8, 364-75	10.2	43
25	Myostatin inhibits proliferation but not differentiation of trout myoblasts. *Molecular and Cellular Endocrinology*, **2012**, 351, 220-6	4.4	42
24	Leucine limitation regulates myf5 and myoD expression and inhibits myoblast differentiation. *Experimental Cell Research*, **2012**, 318, 217-27	4.2	42
23	Environmental temperature increases plasma GH levels independently of nutritional status in rainbow trout (Oncorhynchus mykiss). *General and Comparative Endocrinology*, **2003**, 133, 17-26	3	34
22	Differential expression of two GH receptor mRNAs following temperature change in rainbow trout (Oncorhynchus mykiss). *Journal of Endocrinology*, **2006**, 190, 29-37	4.7	31

21	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**, 298, 134-42		30
20	Myostatin induces atrophy of trout myotubes through inhibiting the TORC1 signaling and promoting Ubiquitin-Proteasome and Autophagy-Lysosome degradative pathways. *General and Comparative Endocrinology*, **2013**, 186, 9-15	3	26
19	Influence of early postnatal cold exposure on myofiber maturation in pig skeletal muscle. *Journal of Muscle Research and Cell Motility*, **2001**, 22, 439-52	3.5	23
18	Aurora-C interacts with and phosphorylates the transforming acidic coiled-coil 1 protein. *Biochemical and Biophysical Research Communications*, **2011**, 408, 647-53	3.4	19
17	Gene expression profile during proliferation and differentiation of rainbow trout adipocyte precursor cells. *BMC Genomics*, **2017**, 18, 347	4.5	18
16	Preparation of primary myogenic precursor cell/myoblast cultures from basal vertebrate lineages. *Journal of Visualized Experiments*, **2014**,	1.6	15
15	Gene expression profiling of trout regenerating muscle reveals common transcriptional signatures with hyperplastic growth zones of the post-embryonic myotome. *BMC Genomics*, **2016**, 17, 810	4.5	13
14	FoxO1 is not a key transcription factor in the regulation of myostatin (mstn-1a and mstn-1b) gene expression in trout myotubes. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2011**, 301, R97-104	3.2	12
13	Distribution of H3K27me3, H3K9me3, and H3K4me3 along autophagy-related genes highly expressed in starved zebrafish myotubes. *Biology Open*, **2017**, 6, 1720-1725	2.2	11
12	Evolutionary history and epigenetic regulation of the three paralogous pax7 genes in rainbow trout. *Cell and Tissue Research*, **2015**, 359, 715-27	4.2	10
11	Dynamic expression of tgf-β2, tgf-β3 and inhibin βA during muscle growth resumption and satellite cell differentiation in rainbow trout (Oncorhynchus mykiss). *General and Comparative Endocrinology* , **2015**, 210, 23-9	3	10
10	miR-210 expression is associated with methionine-induced differentiation of trout satellite cells. *Journal of Experimental Biology*, **2017**, 220, 2932-2938	3	10
9	The production of fluorescent transgenic trout to study in vitro myogenic cell differentiation. *BMC Biotechnology*, **2010**, 10, 39	3.5	9
8	Identification of TGF-βinhibin βA and follistatin paralogs in the rainbow trout genome. *Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology*, **2014**, 177-178, 46-55	2.3	6
7	The IGF/IGFBP system in rainbow trout (Oncorhynchus mykiss) adipose tissue: expression related to regional localization and cell type. *Fish Physiology and Biochemistry*, **2011**, 37, 843-52	2.7	5
6	Autophagy in farm animals: current knowledge and future challenges. *Autophagy*, **2021**, 17, 1809-1827	10.2	4
5	Trout myomaker contains 14 minisatellites and two sequence extensions but retains fusogenic function. *Journal of Biological Chemistry*, **2019**, 294, 6364-6374	5.4	3
4	Influence of circulating GH levels on GH-binding capacity measurements in the hepatic membrane of rainbow trout (Oncorhynchus mykiss): importance of normalization of results. *Fish Physiology and Biochemistry*, **2006**, 32, 121-130	2.7	3

3	Histological, transcriptomic and in vitro analysis reveal an intrinsic activated state of myogenic precursors in hyperplasic muscle of trout. *BMC Genomics*, **2018**, 19, 865	4.5	3
2	Myomixer is expressed during embryonic and post-larval hyperplasia, muscle regeneration and differentiation of myoblats in rainbow trout (Oncorhynchus mykiss). *Gene*, **2021**, 790, 145688	3.8	1
1	Naa15 knockdown enhances c2c12 myoblast fusion and induces defects in zebrafish myotome morphogenesis. *Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology*, **2019**, 228, 61-67	2.3	