Jean-Charles Gabillard

List of Publications by Year
in descending order

38	2,027	279487 23	315357 38
papers	citations	h-index	g-index

43	43	43	4558
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Autophagy in farm animals: current knowledge and future challenges. Autophagy, 2021, 17, 1809-1827.	4.3	19
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.	1.0	7
3	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.	0.7	1
4	Trout myomaker contains 14 minisatellites and two sequence extensions but retains fusogenic function. Journal of Biological Chemistry, 2019, 294, 6364-6374.	1.6	12
5	Histological, transcriptomic and in vitro analysis reveal an intrinsic activated state of myogenic precursors in hyperplasic muscle of trout. BMC Genomics, 2018, 19, 865.	1.2	4
6	Gene expression profile during proliferation and differentiation of rainbow trout adipocyte precursor cells. BMC Genomics, 2017, 18, 347.	1.2	33
7	Distribution of H3K27me3, H3K9me3, and H3K4me3 along autophagy-related genes highly expressed in starved zebrafish myotubes. Biology Open, 2017, 6, 1720-1725.	0.6	14
8	miR-210 expression is associated with methionine-induced differentiation of trout satellite cells. Journal of Experimental Biology, 2017, 220, 2932-2938.	0.8	16
9	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.	1.2	16
10	Characterization of an extensive rainbow trout miRNA transcriptome by next generation sequencing. BMC Genomics, 2016, 17, 164.	1.2	69
11	Evolutionary history and epigenetic regulation of the three paralogous pax7 genes in rainbow trout. Cell and Tissue Research, 2015, 359, 715-727.	1.5	14
12	Dynamic expression of tgf-Î²2, tgf-Î²3 and inhibin Î²A during muscle growth resumption and satellite cell differentiation in rainbow trout (Oncorhynchus mykiss). General and Comparative Endocrinology, 2015, 210, 23-29.	0.8	14
13	Identification of TGF-Î², inhibin Î²A and follistatin paralogs in the rainbow trout genome. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2014, 177-178, 46-55.	0.7	9
14	Myostatin and the skeletal muscle atrophy and hypertrophy signaling pathways. Cellular and Molecular Life Sciences, 2014, 71, 4361-4371.	2.4	297
15	Myomaker mediates fusion of fast myocytes in zebrafish embryos. Biochemical and Biophysical Research Communications, 2014, 451, 480-484.	1.0	68
16	Preparation of Primary Myogenic Precursor Cell/Myoblast Cultures from Basal Vertebrate Lineages. Journal of Visualized Experiments, 2014, , .	0.2	31
17	Revisiting the paradigm of myostatin in vertebrates: Insights from fishes. General and Comparative Endocrinology, 2013, 194, 45-54.	0.8	69
18	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

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19	Amino acids downregulate the expression of several autophagy-related genes in rainbow trout myoblasts. Autophagy, 2012, 8, 364-375.	4.3	47
20	Myostatin inhibits proliferation but not differentiation of trout myoblasts. Molecular and Cellular Endocrinology, 2012, 351, 220-226.	1.6	52
21	Leucine limitation regulates myf5 and myoD expression and inhibits myoblast differentiation. Experimental Cell Research, 2012, 318, 217-227.	1.2	48
22	Aurora-C interacts with and phosphorylates the transforming acidic coiled-coil 1 protein. Biochemical and Biophysical Research Communications, 2011, 408, 647-653.	1.0	26
23	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, 843-852.	0.9	5
24	FoxO1 is not a key transcription factor in the regulation ofmyostatin(mstn-1aandmstn-1b) gene expression in trout myotubes. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2011, 301, R97-R104.	0.9	16
25	In vitro characterization of proliferation and differentiation of trout satellite cells. Cell and Tissue Research, 2010, 342, 471-477.	1.5	65
26	The production of fluorescent transgenic trout to study in vitro myogenic cell differentiation. BMC Biotechnology, 2010, 10, 39.	1.7	10
27	An in vivo and in vitro assessment of TOR signaling cascade in rainbow trout (Oncorhynchus) Tj ETQq1 1 0.784314 rgBT /Overlock 1 295, R329-R335.	0.9	153
28	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
29	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.	0.9	3
30	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
31	Coordinated regulation of the GH/IGF system genes during refeeding in rainbow trout (Oncorhynchus) Tj ETQq1 1 0.784314 rgBT /Over	1.2	177
32	Differential expression of two GH receptor mRNAs following temperature change in rainbow trout (Oncorhynchus mykiss). Journal of Endocrinology, 2006, 190, 29-37.	1.2	35
33	Differential expression of the two GH genes during embryonic development of rainbow troutoncorhynchus mykiss in relation with the IGFs system. Molecular Reproduction and Development, 2003, 64, 32-40.	1.0	45
34	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, 209-215.	0.8	181
35	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
36	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

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37	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
38	Influence of early postnatal cold exposure on myofiber maturation in pig skeletal muscle. Journal of Muscle Research and Cell Motility, 2001, 22, 439-452.	0.9	28