

# Jean-Charles Gabillard

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Autophagy in farm animals: current knowledge and future challenges. <i>Autophagy</i> , <b>2021</b> , 17, 1809-1827	10.2	4
37	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> , <b>2021</b> , 790, 145688	3.8	1
36	Naa15 knockdown enhances c2c12 myoblast fusion and induces defects in zebrafish myotome morphogenesis. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , <b>2019</b> , 228, 61-67	2.3	
35	Trout myomaker contains 14 minisatellites and two sequence extensions but retains fusogenic function. <i>Journal of Biological Chemistry</i> , <b>2019</b> , 294, 6364-6374	5.4	3
34	Histological, transcriptomic and in vitro analysis reveal an intrinsic activated state of myogenic precursors in hyperplastic muscle of trout. <i>BMC Genomics</i> , <b>2018</b> , 19, 865	4.5	3
33	Gene expression profile during proliferation and differentiation of rainbow trout adipocyte precursor cells. <i>BMC Genomics</i> , <b>2017</b> , 18, 347	4.5	18
32	Distribution of H3K27me3, H3K9me3, and H3K4me3 along autophagy-related genes highly expressed in starved zebrafish myotubes. <i>Biology Open</i> , <b>2017</b> , 6, 1720-1725	2.2	11
31	miR-210 expression is associated with methionine-induced differentiation of trout satellite cells. <i>Journal of Experimental Biology</i> , <b>2017</b> , 220, 2932-2938	3	10
30	Characterization of an extensive rainbow trout miRNA transcriptome by next generation sequencing. <i>BMC Genomics</i> , <b>2016</b> , 17, 164	4.5	52
29	Gene expression profiling of trout regenerating muscle reveals common transcriptional signatures with hyperplastic growth zones of the post-embryonic myotome. <i>BMC Genomics</i> , <b>2016</b> , 17, 810	4.5	13
28	Evolutionary history and epigenetic regulation of the three paralogous pax7 genes in rainbow trout. <i>Cell and Tissue Research</i> , <b>2015</b> , 359, 715-27	4.2	10
27	Dynamic expression of $\text{tgf-}\alpha$ , $\text{tgf-}\beta$ and inhibin $\beta$ during muscle growth resumption and satellite cell differentiation in rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>General and Comparative Endocrinology</i> , <b>2015</b> , 210, 23-9	3	10
26	Identification of TGF- $\beta$ /inhibin $\beta$ and follistatin paralogs in the rainbow trout genome. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , <b>2014</b> , 177-178, 46-55	2.3	6
25	Myostatin and the skeletal muscle atrophy and hypertrophy signaling pathways. <i>Cellular and Molecular Life Sciences</i> , <b>2014</b> , 71, 4361-71	10.3	195
24	Myomaker mediates fusion of fast myocytes in zebrafish embryos. <i>Biochemical and Biophysical Research Communications</i> , <b>2014</b> , 451, 480-4	3.4	45
23	Preparation of primary myogenic precursor cell/myoblast cultures from basal vertebrate lineages. <i>Journal of Visualized Experiments</i> , <b>2014</b> ,	1.6	15
22	Revisiting the paradigm of myostatin in vertebrates: insights from fishes. <i>General and Comparative Endocrinology</i> , <b>2013</b> , 194, 45-54	3	45

21	Myostatin induces atrophy of trout myotubes through inhibiting the TORC1 signaling and promoting Ubiquitin-Proteasome and Autophagy-Lysosome degradative pathways. <i>General and Comparative Endocrinology</i> , <b>2013</b> , 186, 9-15	3	26
20	Myostatin inhibits proliferation but not differentiation of trout myoblasts. <i>Molecular and Cellular Endocrinology</i> , <b>2012</b> , 351, 220-6	4.4	42
19	Leucine limitation regulates myf5 and myoD expression and inhibits myoblast differentiation. <i>Experimental Cell Research</i> , <b>2012</b> , 318, 217-27	4.2	42
18	Amino acids downregulate the expression of several autophagy-related genes in rainbow trout myoblasts. <i>Autophagy</i> , <b>2012</b> , 8, 364-75	10.2	43
17	Aurora-C interacts with and phosphorylates the transforming acidic coiled-coil 1 protein. <i>Biochemical and Biophysical Research Communications</i> , <b>2011</b> , 408, 647-53	3.4	19
16	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> , <b>2011</b> , 37, 843-52	2.7	5
15	FoxO1 is not a key transcription factor in the regulation of myostatin ( <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> , <b>2011</b> , 301, R97-104	3.2	12
14	In vitro characterization of proliferation and differentiation of trout satellite cells. <i>Cell and Tissue Research</i> , <b>2010</b> , 342, 471-7	4.2	47
13	The production of fluorescent transgenic trout to study in vitro myogenic cell differentiation. <i>BMC Biotechnology</i> , <b>2010</b> , 10, 39	3.5	9
12	An in vivo and in vitro assessment of TOR signaling cascade in rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2008</b> , 295, R329-35	3.2	138
11	Role of insulin, insulin-like growth factors, and muscle regulatory factors in the compensatory growth of the trout ( <i>Oncorhynchus mykiss</i> ). <i>General and Comparative Endocrinology</i> , <b>2007</b> , 150, 462-72	3	103
10	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. <i>Endocrinology</i> , <b>2006</b> , 147, 2399-410	4.8	88
9	Coordinated regulation of the GH/IGF system genes during refeeding in rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Journal of Endocrinology</i> , <b>2006</b> , 191, 15-24	4.7	135
8	Differential expression of two GH receptor mRNAs following temperature change in rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Journal of Endocrinology</i> , <b>2006</b> , 190, 29-37	4.7	31
7	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> , <b>2006</b> , 32, 121-130	2.7	3
6	Differential expression of the two GH genes during embryonic development of rainbow trout <i>Oncorhynchus mykiss</i> in relation with the IGFs system. <i>Molecular Reproduction and Development</i> , <b>2003</b> , 64, 32-40	2.6	44
5	Effect of refeeding on IGFI, IGFII, IGF receptors, FGF2, FGF6, and myostatin mRNA expression in rainbow trout myotomal muscle. <i>General and Comparative Endocrinology</i> , <b>2003</b> , 132, 209-15	3	163
4	Environmental temperature increases plasma GH levels independently of nutritional status in rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>General and Comparative Endocrinology</i> , <b>2003</b> , 133, 17-26	3	34

- 3 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
- 2 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
- 1 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