

# C Florian Bentzinger

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/7383177/c-florian-bentzinger-publications-by-year.pdf>

**Version:** 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

32  
papers

3,764  
citations

21  
h-index

36  
g-index

36  
ext. papers

4,587  
ext. citations

15.8  
avg. IF

5.36  
L-index

#	Paper	IF	Citations
32	transcriptomic profiling using cell encapsulation identifies effector pathways of systemic aging.. <i>ELife</i> , <b>2022</b> , 11,	8.9	2
31	Visualization of the Skeletal Muscle Stem Cell Niche in Fiber Bundles. <i>Current Protocols</i> , <b>2021</b> , 1, e263		1
30	Aging Disrupts Muscle Stem Cell Function by Impairing Matricellular WISP1 Secretion from Fibro-Adipogenic Progenitors. <i>Cell Stem Cell</i> , <b>2019</b> , 24, 433-446.e7	18	95
29	Best supporting actors. <i>Science</i> , <b>2019</b> , 363, 1051	33.3	1
28	The Muscle Stem Cell Niche in Health and Disease. <i>Current Topics in Developmental Biology</i> , <b>2018</b> , 126, 23-65	5.3	51
27	R-spondin1 Controls Muscle Cell Fusion through Dual Regulation of Antagonistic Wnt Signaling Pathways. <i>Cell Reports</i> , <b>2017</b> , 18, 2320-2330	10.6	24
26	Loss of fibronectin from the aged stem cell niche affects the regenerative capacity of skeletal muscle in mice. <i>Nature Medicine</i> , <b>2016</b> , 22, 897-905	50.5	155
25	PAX7 is required for patterning the esophageal musculature. <i>Skeletal Muscle</i> , <b>2015</b> , 5, 39	5.1	10
24	Satellite Cells and Skeletal Muscle Regeneration. <i>Comprehensive Physiology</i> , <b>2015</b> , 5, 1027-59	7.7	286
23	Dystrophin expression in muscle stem cells regulates their polarity and asymmetric division. <i>Nature Medicine</i> , <b>2015</b> , 21, 1455-63	50.5	294
22	Raptor ablation in skeletal muscle decreases Cav1.1 expression and affects the function of the excitation-contraction coupling supramolecular complex. <i>Biochemical Journal</i> , <b>2015</b> , 466, 123-35	3.8	8
21	Inhibition of JAK-STAT signaling stimulates adult satellite cell function. <i>Nature Medicine</i> , <b>2014</b> , 20, 1174-80.5	30.5	239
20	Wnt7a stimulates myogenic stem cell motility and engraftment resulting in improved muscle strength. <i>Journal of Cell Biology</i> , <b>2014</b> , 205, 97-111	7.3	104
19	Characteristics of Satellite Cells and Multipotent Adult Stem Cells in the Skeletal Muscle. <i>Stem Cells and Cancer Stem Cells</i> , <b>2014</b> , 63-73		1
18	Cellular dynamics in the muscle satellite cell niche. <i>EMBO Reports</i> , <b>2013</b> , 14, 1062-72	6.5	217
17	A truncated Wnt7a retains full biological activity in skeletal muscle. <i>Nature Communications</i> , <b>2013</b> , 4, 2869	17.4	29
16	Fibronectin regulates Wnt7a signaling and satellite cell expansion. <i>Cell Stem Cell</i> , <b>2013</b> , 12, 75-87	18	228

15	Differential response of skeletal muscles to mTORC1 signaling during atrophy and hypertrophy. <i>Skeletal Muscle</i> , <b>2013</b> , 3, 6	5.1	87
14	MicroRNA-133 controls brown adipose determination in skeletal muscle satellite cells by targeting Prdm16. <i>Cell Metabolism</i> , <b>2013</b> , 17, 210-24	24.6	205
13	The emerging biology of muscle stem cells: implications for cell-based therapies. <i>BioEssays</i> , <b>2013</b> , 35, 231-41	4.1	38
12	Molecular regulation of determination in asymmetrically dividing muscle stem cells. <i>Cell Cycle</i> , <b>2013</b> , 12, 3-4	4.7	4
11	Treating muscular dystrophy by stimulating intrinsic repair. <i>Regenerative Medicine</i> , <b>2013</b> , 8, 237-40	2.5	5
10	Building muscle: molecular regulation of myogenesis. <i>Cold Spring Harbor Perspectives in Biology</i> , <b>2012</b> , 4,	10.2	590
9	Wnt signaling in myogenesis. <i>Trends in Cell Biology</i> , <b>2012</b> , 22, 602-9	18.3	226
8	Wnt7a-Fzd7 signalling directly activates the Akt/mTOR anabolic growth pathway in skeletal muscle. <i>Nature Cell Biology</i> , <b>2011</b> , 14, 186-91	23.4	154
7	Myopathy caused by mammalian target of rapamycin complex 1 (mTORC1) inactivation is not reversed by restoring mitochondrial function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 20808-13	11.5	34
6	Oxidative status of muscle is determined by p107 regulation of PGC-1alpha. <i>Journal of Cell Biology</i> , <b>2010</b> , 190, 651-62	7.3	15
5	Extrinsic regulation of satellite cell specification. <i>Stem Cell Research and Therapy</i> , <b>2010</b> , 1, 27	8.3	79
4	Oxidative status of muscle is determined by p107 regulation of PGC-1a. <i>Journal of General Physiology</i> , <b>2010</b> , 136, i3-i3	3.4	
3	Skeletal muscle-specific ablation of raptor, but not of rictor, causes metabolic changes and results in muscle dystrophy. <i>Cell Metabolism</i> , <b>2008</b> , 8, 411-24	24.6	487
2	Overexpression of mini-agrin in skeletal muscle increases muscle integrity and regenerative capacity in laminin-alpha2-deficient mice. <i>FASEB Journal</i> , <b>2005</b> , 19, 934-42	0.9	80
1	In-vivo Transcriptomic Profiling of Systemic Aging using Cell Encapsulation		2