

# C Florian Bentzinger

## List of Publications by Citations

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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.

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	Building muscle: molecular regulation of myogenesis. <i>Cold Spring Harbor Perspectives in Biology</i> , <b>2012</b> , 4,	10.2	590
31	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
30	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
29	Satellite Cells and Skeletal Muscle Regeneration. <i>Comprehensive Physiology</i> , <b>2015</b> , 5, 1027-59	7.7	286
28	Inhibition of JAK-STAT signaling stimulates adult satellite cell function. <i>Nature Medicine</i> , <b>2014</b> , 20, 1174-80	30.5	239
27	Fibronectin regulates Wnt7a signaling and satellite cell expansion. <i>Cell Stem Cell</i> , <b>2013</b> , 12, 75-87	18	228
26	Wnt signaling in myogenesis. <i>Trends in Cell Biology</i> , <b>2012</b> , 22, 602-9	18.3	226
25	Cellular dynamics in the muscle satellite cell niche. <i>EMBO Reports</i> , <b>2013</b> , 14, 1062-72	6.5	217
24	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
23	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
22	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
21	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
20	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
19	Differential response of skeletal muscles to mTORC1 signaling during atrophy and hypertrophy. <i>Skeletal Muscle</i> , <b>2013</b> , 3, 6	5.1	87
18	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
17	Extrinsic regulation of satellite cell specification. <i>Stem Cell Research and Therapy</i> , <b>2010</b> , 1, 27	8.3	79
16	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

15	The emerging biology of muscle stem cells: implications for cell-based therapies. <i>BioEssays</i> , <b>2013</b> , 35, 231-41	4.1	38
14	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
13	A truncated Wnt7a retains full biological activity in skeletal muscle. <i>Nature Communications</i> , <b>2013</b> , 4, 2869	17.4	29
12	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
11	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
10	PAX7 is required for patterning the esophageal musculature. <i>Skeletal Muscle</i> , <b>2015</b> , 5, 39	5.1	10
9	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
8	Treating muscular dystrophy by stimulating intrinsic repair. <i>Regenerative Medicine</i> , <b>2013</b> , 8, 237-40	2.5	5
7	Molecular regulation of determination in asymmetrically dividing muscle stem cells. <i>Cell Cycle</i> , <b>2013</b> , 12, 3-4	4.7	4
6	In-vivo Transcriptomic Profiling of Systemic Aging using Cell Encapsulation		2
5	transcriptomic profiling using cell encapsulation identifies effector pathways of systemic aging.. <i>ELife</i> , <b>2022</b> , 11,	8.9	2
4	Best supporting actors. <i>Science</i> , <b>2019</b> , 363, 1051	33.3	1
3	Visualization of the Skeletal Muscle Stem Cell Niche in Fiber Bundles. <i>Current Protocols</i> , <b>2021</b> , 1, e263		1
2	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
1	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	