

# SÃ©bastien Banzet

## List of Publications by Year in descending order

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49  
papers

1,276  
citations

516215

16  
h-index

360668

35  
g-index

54  
all docs

54  
docs citations

54  
times ranked

2126  
citing authors

#	ARTICLE	IF	CITATIONS
1	Down-Regulation of Akt/Mammalian Target of Rapamycin Signaling Pathway in Response to Myostatin Overexpression in Skeletal Muscle. <i>Endocrinology</i> , 2009, 150, 286-294.	1.4	218
2	Ectopic Expression of Myostatin Induces Atrophy of Adult Skeletal Muscle by Decreasing Muscle Gene Expression. <i>Endocrinology</i> , 2007, 148, 3140-3147.	1.4	127
3	Changes in circulating microRNAs levels with exercise modality. <i>Journal of Applied Physiology</i> , 2013, 115, 1237-1244.	1.2	115
4	Circulating myomiRs: a new class of biomarkers to monitor skeletal muscle in physiology and medicine. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2018, 9, 20-27.	2.9	97
5	Macrophage-derived oncostatin M contributes to human and mouse neurogenic heterotopic ossifications. <i>JCI Insight</i> , 2017, 2, .	2.3	87
6	Cold atmospheric plasma modulates endothelial nitric oxide synthase signalling and enhances burn wound neovascularisation. <i>Journal of Pathology</i> , 2019, 249, 368-380.	2.1	65
7	Interleukin-6 contributes to hepcidin mRNA increase in response to exercise. <i>Cytokine</i> , 2012, 58, 158-161.	1.4	54
8	Recovery of skeletal muscle mass after extensive injury: positive effects of increased contractile activity. <i>American Journal of Physiology - Cell Physiology</i> , 2008, 294, C467-C476.	2.1	42
9	Development of extracellular vesicle-based medicinal products: A position paper of the group "Extracellular Vesicle translation to clinical perspectives" EVOLVE France. <i>Advanced Drug Delivery Reviews</i> , 2021, 179, 114001.	6.6	42
10	Fibre-type specificity of interleukin-6 gene transcription during muscle contraction in rat: association with calcineurin activity. <i>Journal of Physiology</i> , 2005, 566, 839-847.	1.3	39
11	Control of gluconeogenic genes during intense/prolonged exercise: hormone-independent effect of muscle-derived IL-6 on hepatic tissue and PEPCK mRNA. <i>Journal of Applied Physiology</i> , 2009, 107, 1830-1839.	1.2	37
12	Circulating miRNAs as Biomarkers of Acute Muscle Damage in Rats. <i>American Journal of Pathology</i> , 2016, 186, 1313-1327.	1.9	35
13	Musclin gene expression is strongly related to fast-glycolytic phenotype. <i>Biochemical and Biophysical Research Communications</i> , 2007, 353, 713-718.	1.0	33
14	IL-1 $\beta$ -Primed Mesenchymal Stromal Cells Improve Epidermal Substitute Engraftment and Wound Healing via Matrix Metalloproteinases and Transforming Growth Factor- $\beta$ 1. <i>Journal of Investigative Dermatology</i> , 2020, 140, 688-698.e21.	0.3	31
15	Contraction-induced interleukin-6 transcription in rat slow-type muscle is partly dependent on calcineurin activation. <i>Journal of Cellular Physiology</i> , 2007, 210, 596-601.	2.0	22
16	Interferon- $\beta$ and Hypoxia Priming Have Limited Effect on the miRNA Landscape of Human Mesenchymal Stromal Cells-Derived Extracellular Vesicles. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 581436.	1.8	22
17	Physical plasma therapy accelerates wound re-epithelialisation and enhances extracellular matrix formation in cutaneous skin grafts. <i>Journal of Pathology</i> , 2020, 252, 451-464.	2.1	18
18	Interleukin-1 Is Overexpressed in Injured Muscles Following Spinal Cord Injury and Promotes Neurogenic Heterotopic Ossification. <i>Journal of Bone and Mineral Research</i> , 2020, 37, 531-546.	3.1	16

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19	Quantification of low-expressed mRNA using 5' LNA-containing real-time PCR primers. <i>Biochemical and Biophysical Research Communications</i> , 2007, 354, 246-252.	1.0	15
20	Cord blood-endothelial colony forming cells are immunotolerated and participate at post-ischemic angiogenesis in an original dorsal chamber immunocompetent mouse model. <i>Stem Cell Research and Therapy</i> , 2020, 11, 172.	2.4	14
21	Quantification by real-time PCR of developmental and adult myosin mRNA in rat muscles. <i>Biochemical and Biophysical Research Communications</i> , 2006, 340, 165-174.	1.0	13
22	Phenotype-Specific Response of Circulating miRNAs Provides New Biomarkers of Slow or Fast Muscle Damage. <i>Frontiers in Physiology</i> , 2018, 9, 684.	1.3	13
23	Cold Atmospheric Plasma Promotes Killing of <i>Staphylococcus aureus</i> by Macrophages. <i>MSphere</i> , 2021, 6, e0021721.	1.3	12
24	Pitfalls of reverse transcription quantitative polymerase chain reaction standardization: Volume-related inhibitors of reverse transcription. <i>Analytical Biochemistry</i> , 2011, 415, 151-157.	1.1	11
25	Self-Assembled Collagen Microparticles by Aerosol as a Versatile Platform for Injectable Anisotropic Materials. <i>Small</i> , 2020, 16, e1902224.	5.2	11
26	IL-1 $\beta$ primed mesenchymal stromal cells moderate hemorrhagic shock-induced organ injuries. <i>Stem Cell Research and Therapy</i> , 2021, 12, 438.	2.4	11
27	Pitfalls in target mRNA quantification for real-time quantitative RT-PCR in overload-induced skeletal muscle hypertrophy. <i>Physiological Genomics</i> , 2011, 43, 228-235.	1.0	10
28	Physical exercise during muscle regeneration improves recovery of the slow/oxidative phenotype. <i>Muscle and Nerve</i> , 2017, 55, 91-100.	1.0	10
29	Therapeutic Potential of Mesenchymal Stromal Cell-Derived Extracellular Vesicles in the Prevention of Organ Injuries Induced by Traumatic Hemorrhagic Shock. <i>Frontiers in Immunology</i> , 2021, 12, 749659.	2.2	10
30	Effect of Preconditioned Mesenchymal Stromal Cells on Early Microvascular Disturbance in a Mouse Sepsis Model. <i>Stem Cells and Development</i> , 2019, 28, 1595-1606.	1.1	9
31	Heparan Sulfate Mimetics Accelerate Postinjury Skeletal Muscle Regeneration. <i>Tissue Engineering - Part A</i> , 2019, 25, 1667-1676.	1.6	7
32	Alterations at the Cross-Bridge Level Are Associated with a Paradoxical Gain of Muscle Function In Vivo in a Mouse Model of Nemaline Myopathy. <i>PLoS ONE</i> , 2014, 9, e109066.	1.1	6
33	Neurogenic Heterotopic Ossifications Recapitulate Hematopoietic Stem Cell Niche Development Within an Adult Osteogenic Muscle Environment. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 611842.	1.8	6
34	Spinal cord injury reprograms muscle fibroadipogenic progenitors to form heterotopic bones within muscles. <i>Bone Research</i> , 2022, 10, 22.	5.4	6
35	Re: "High prevalence of heterotopic ossification in critically ill patients with severe COVID-19" by Stoira et al.. <i>Clinical Microbiology and Infection</i> , 2021, 27, 1051-1052.	2.8	4
36	Basal peroxisome proliferator activated receptor gamma coactivator 1 $\alpha$ expression is independent of calcineurin in skeletal muscle. <i>Metabolism: Clinical and Experimental</i> , 2012, 61, 389-394.	1.5	2

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37	Place des lipides dans lâ€™alimentation du sportif. <i>Science and Sports</i> , 2004, 19, 53-62.	0.2	1
38	Circulating levels of non-muscle-specific miRNAs in response to acute muscle damage in rat. <i>Data in Brief</i> , 2018, 18, 190-197.	0.5	1
39	Larger strength losses and muscle activation deficits in plantar flexors induced by backward downhill in reference to distanceâ€matched forward uphill treadmill walk. <i>European Journal of Sport Science</i> , 2018, 18, 1346-1356.	1.4	1
40	Circulating microRNA profile in a mouse model of Crimean-Congo haemorrhagic fever. <i>Virus Research</i> , 2019, 263, 16-20.	1.1	1
41	Recovery Of Skeletal Muscle Phenotype After Notexin Injury: Positive Effects Of Running Exercise.. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 74-75.	0.2	0
42	PGC-1Î± Levels Increased After Acute Exercise Independently On Calcineurin Activation In Skeletal Muscle Of Rats. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 418.	0.2	0
43	Circulating miRNAs as skeletal muscle fiber-type specific biomarkers. <i>Journal of Science and Medicine in Sport</i> , 2017, 20, S155-S156.	0.6	0
44	HGF, MMPs and TGF-Î²1 contribute to INTERLEUKIN-1Î² primed mesenchymal stromal cells effect on wound healing and epidermal substitute engraftment. <i>Cytotherapy</i> , 2019, 21, S51.	0.3	0
45	Mesenchymal stromal cells to protect kidney after traumatic hemorrhagic shock. <i>Cytotherapy</i> , 2019, 21, S51-S52.	0.3	0
46	Evaluation Of Physiological, Endocrinal And Cognitive Responses After 5 Days Of Field Survival Conditions. <i>Medicine and Science in Sports and Exercise</i> , 2009, 41, 100.	0.2	0
47	Cortical voluntary activation adjustments induced by nonâ€exhausting eccentric exercise (1125.2). <i>FASEB Journal</i> , 2014, 28, 1125.2.	0.2	0
48	A Murine Model of a Burn Wound Reconstructed with an Allogeneic Skin Graft. <i>Journal of Visualized Experiments</i> , 2020, , .	0.2	0
49	Injectable Anisotropic Materials: Selfâ€Assembled Collagen Microparticles by Aerosol as a Versatile Platform for Injectable Anisotropic Materials (Small 4/2020). <i>Small</i> , 2020, 16, 2070020.	5.2	0