JÃ©rÃ´me Frenette

List of Publications by Year
in descending order

51 papers	1,638 citations	279487 23 h-index	301761 39 g-index
56 all docs	56 docs citations	56 times ranked	1921 citing authors

#	Article	IF	Citations
1	Neutrophils and macrophages accumulate sequentially following Achilles tendon injury. Journal of Orthopaedic Research, 2001, 19, 1203-1209.	1.2	124
2	Macrophage invasion does not contribute to muscle membrane injury during inflammation. Journal of Leukocyte Biology, 1999, 65, 492-498.	1.5	103
3	Complement Activation Promotes Muscle Inflammation during Modified Muscle Use. American Journal of Pathology, 2000, 156, 2103-2110.	1.9	97
4	Macrophages Protect against Muscle Atrophy and Promote Muscle Recovery in Vivo and in Vitro. American Journal of Pathology, 2010, 176, 2228-2235.	1.9	82
5	Nonsteroidal Anti-Inflammatory Drug Reduces Neutrophil and Macrophage Accumulation but Does Not Improve Tendon Regeneration. Laboratory Investigation, 2003, 83, 991-999.	1.7	75
6	Lengthening contraction-induced inflammation is linked to secondary damage but devoid of neutrophil invasion. Journal of Applied Physiology, 2002, 92, 1995-2004.	1.2	73
7	Muscle impairment occurs rapidly and precedes inflammatory cell accumulation after mechanical loading. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2002, 282, R351-R357.	0.9	68
8	Insulin-dependent diabetes impairs the inflammatory response and delays angiogenesis following Achilles tendon injury. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2004, 286, R952-R957.	0.9	68
9	A 12-Week Exercise Program for Pregnant Women with Obesity to Improve Physical Activity Levels: An Open Randomised Preliminary Study. PLoS ONE, 2015, 10, e0137742.	1.1	63
10	Neutrophil-induced skeletal muscle damage: a calculated and controlled response following hindlimb unloading and reloading. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 295, R1831-R1838.	0.9	57
11	Laminin-111: A Potential Therapeutic Agent for Duchenne Muscular Dystrophy. Molecular Therapy, 2010, 18, 2155-2163.	3.7	54
12	Muscle RANK is a key regulator of Ca²⁺ storage, SERCA activity, and function of fast-twitch skeletal muscles. American Journal of Physiology - Cell Physiology, 2016, 310, C663-C672.	2.1	51
13	Macrophage depletion reduces cell proliferation and extracellular matrix accumulation but increases the ultimate tensile strength of injured Achilles tendons. Journal of Orthopaedic Research, 2014, 32, 279-285.	1.2	49
14	Osteoprotegerin Protects against Muscular Dystrophy. American Journal of Pathology, 2015, 185, 920-926.	1.9	47
15	Muscle weakness and selective muscle atrophy in osteoprotegerin-deficient mice. Human Molecular Genetics, 2020, 29, 483-494.	1.4	45
16	Genetic deletion of muscle RANK or selective inhibition of RANKL is not as effective as full-length OPG-fc in mitigating muscular dystrophy. Acta Neuropathologica Communications, 2018, 6, 31.	2.4	39
17	An anti-RANKL treatment reduces muscle inflammation and dysfunction and strengthens bone in dystrophic mice. Human Molecular Genetics, 2019, 28, 3101-3112.	1.4	39
18	Mast cells can modulate leukocyte accumulation and skeletal muscle function following hindlimb unloading. Journal of Applied Physiology, 2007, 103, 97-104.	1.2	35

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19	Body Weight, Limb Size, and Muscular Properties of Early Paraplegic Mice. Journal of Neurotrauma, 2004, 21, 1008-1016.	1.7	34
20	Early voluntary exercise does not promote healing in a rat model of Achilles tendon injury. Journal of Applied Physiology, 2006, 101, 1720-1726.	1.2	30
21	Macrophages, not neutrophils, infiltrate skeletal muscle in mice deficient in P/E selectins after mechanical reloading. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2003, 285, R727-R732.	0.9	28
22	Macrophage Colony-Stimulating Factorâ€“Induced Macrophage Differentiation Promotes Regrowth in Atrophied Skeletal Muscles and C2C12 Myotubes. American Journal of Pathology, 2013, 182, 505-515.	1.9	26
23	Dystrophin Expression following the Transplantation of Normal Muscle Precursor Cells Protects mdx Muscle from Contraction-Induced Damage. Cell Transplantation, 2010, 19, 589-596.	1.2	23
24	The Roles of RANK/RANKL/OPG in Cardiac, Skeletal, and Smooth Muscles in Health and Disease. Frontiers in Cell and Developmental Biology, 2022, 10, .	1.8	23
25	Targeting the Muscle-Bone Unit: Filling Two Needs with One Deed in the Treatment of Duchenne Muscular Dystrophy. Current Osteoporosis Reports, 2018, 16, 541-553.	1.5	22
26	Inflammatory cells do not decrease the ultimate tensile strength of intact tendons in vivo and in vitro: protective role of mechanical loading. Journal of Applied Physiology, 2007, 102, 11-17.	1.2	21
27	Galectinâ€3 and<i>N</i>â€acetylglucosamine promote myogenesis and improve skeletal muscle function in the<i>mdx</i>model of Duchenne muscular dystrophy. FASEB Journal, 2018, 32, 6445-6455.	0.2	19
28	Carbohydrate utilization in rat soleus muscle is influenced by carbonic anhydrase III activity. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1997, 273, R1211-R1218.	0.9	15
29	Pifithrin-Î±, an inhibitor of p53 transactivation, alters the inflammatory process and delays tendon healing following acute injury. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 292, R321-R327.	0.9	15
30	Transient neutropenia increases macrophage accumulation and cell proliferation but does not improve repair following intratendinous rupture of Achilles tendon. Journal of Orthopaedic Research, 2010, 28, 1084-1091.	1.2	15
31	Effect of carbonic anhydrase III inhibition on substrate utilization and fatigue in rat soleus. Canadian Journal of Physiology and Pharmacology, 1993, 71, 277-283.	0.7	14
32	New method for determining total calcium content in tissue applied to skeletal muscle with and without calsequestrin. Journal of General Physiology, 2015, 145, 127-153.	0.9	14
33	Serum vitamin C and spinal pain: a nationwide study. Pain, 2016, 157, 2527-2535.	2.0	14
34	Mycobacterium ulcerans infections cause progressive muscle atrophy and dysfunction, and mycolactone impairs satellite cell proliferation. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2011, 300, R724-R732.	0.9	13
35	Motor hypertonia and lack of locomotor coordination in mutant mice lacking DSCAM. Journal of Neurophysiology, 2016, 115, 1355-1371.	0.9	12
36	Physiological role of receptor activator nuclear factor-kB (RANK) in denervation-induced muscle atrophy and dysfunction. Receptors & Clinical Investigation, 2016, 3, e13231-e13236.	0.9	12

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37	Deletion of the Ste20-like kinase SLK in skeletal muscle results in a progressive myopathy and muscle weakness. Skeletal Muscle, 2017, 7, 3.	1.9	11
38	Subcutaneous injection of Mycobacterium ulcerans causes necrosis, chronic inflammatory response and fibrosis in skeletal muscle. Microbes and Infection, 2008, 10, 1236-1243.	1.0	10
39	Limited repair and structural damages displayed by skeletal muscles loaded with mycolactone. Microbes and Infection, 2009, 11, 238-244.	1.0	9
40	Post-Concussion Symptoms Rule: Derivation and Validation of a Clinical Decision Rule for Early Prediction of Persistent Symptoms after a Mild Traumatic Brain Injury. Journal of Neurotrauma, 2022, 39, 1349-1362.	1.7	9
41	A short-term statin treatment changes the contractile properties of fast-twitch skeletal muscles. BMC Musculoskeletal Disorders, 2016, 17, 449.	0.8	8
42	Post-concussion symptoms in sports-related mild traumatic brain injury compared to non-sports-related mild traumatic brain injury. Canadian Journal of Emergency Medicine, 2021, 23, 223-231.	0.5	7
43	Testing the efficacy of a human full-length OPG-Fc analog in a severe model of cardiotoxin-induced skeletal muscle injury and repair. Molecular Therapy - Methods and Clinical Development, 2021, 21, 559-573.	1.8	6
44	Thrombocytopenia alters early but not late repair in a mouse model of Achilles tendon injury. Wound Repair and Regeneration, 2009, 17, 260-267.	1.5	5
45	Investigation of wild-type and mycolactone-negative mutant Mycobacterium ulcerans on skeletal muscle: IGF-1 protects against mycolactone-induced muscle catabolism. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2013, 304, R753-R762.	0.9	5
46	Osteoprotegerin and Î²2-Agonists Mitigate Muscular Dystrophy in Slow- and Fast-Twitch Skeletal Muscles. American Journal of Pathology, 2017, 187, 498-504.	1.9	5
47	S100B protein level for the detection of clinically significant intracranial haemorrhage in patients with mild traumatic brain injury: a subanalysis of a prospective cohort study. Emergency Medicine Journal, 2021, 38, 285-289.	0.4	5
48	Vitamin C is not the Missing Link Between Cigarette Smoking and Spinal Pain. Spine, 2018, 43, E712-E721.	1.0	3
49	Utrophin haploinsufficiency does not worsen the functional performance, resistance to eccentric contractions and force production of dystrophic mice. PLoS ONE, 2018, 13, e0198408.	1.1	2
50	New Method for Determining the Total Calcium Content of Tissue Applied to Whole Skeletal Muscles from Mice with and Without Calsequestrin Knocked Out. Biophysical Journal, 2014, 106, 731a.	0.2	1
51	The Association Between Self-Reported Cigarette Smoking and Spinal Pain is Not Explained by Serum Cotinine Levels. Annals of Epidemiology, 2022, 67, 35-42.	0.9	1