

Christopher L Mendias

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/3536862/christopher-l-mendias-publications-by-year.pdf>

Version: 2024-04-24

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.

91
papers

3,250
citations

33
h-index

55
g-index

105
ext. papers

4,096
ext. citations

4.1
avg, IF

5.46
L-index

#	Paper	IF	Citations
91	Shoulder Lesions Do Not Increase Inflammatory Biomarkers in Patients Undergoing Surgery for Glenohumeral Instability: An Exploratory Study. <i>Translational Sports Medicine</i> , 2022 , 2022, 1-10	1.3	
90	No Treatment Benefits of Local Administration of Insulin-like Growth Factor-1 in Addition to Heavy Slow Resistance Training in Tendinopathic Human Patellar Tendons: A Randomized, Double-Blind, Placebo-Controlled Trial With 1-Year Follow-up. <i>American Journal of Sports Medicine</i> , 2021 , 49, 2361-2370	6.8	5
89	Multiomics analysis of the mdx/mTR mouse model of Duchenne muscular dystrophy. <i>Connective Tissue Research</i> , 2021 , 62, 24-39	3.3	7
88	Ontogenetic and in silico models of spatial-packing in the hypermuscular mouse skull. <i>Journal of Anatomy</i> , 2021 , 238, 1284-1295	2.9	1
87	Increased Comorbidity Burden Among Hip Fracture Patients During the COVID-19 Pandemic in New York City. <i>Geriatric Orthopaedic Surgery and Rehabilitation</i> , 2021 , 12, 21514593211040611	2	0
86	The Use of Recombinant Human Growth Hormone to Protect Against Muscle Weakness in Patients Undergoing Anterior Cruciate Ligament Reconstruction: A Pilot, Randomized Placebo-Controlled Trial. <i>American Journal of Sports Medicine</i> , 2020 , 48, 1916-1928	6.8	4
85	Blood Flow Restriction Training Applied With High-Intensity Exercise Does Not Improve Quadriceps Muscle Function After Anterior Cruciate Ligament Reconstruction: A Randomized Controlled Trial. <i>American Journal of Sports Medicine</i> , 2020 , 48, 825-837	6.8	17
84	Widespread diversity in the transcriptomes of functionally divergent limb tendons. <i>Journal of Physiology</i> , 2020 , 598, 1537-1550	3.9	11
83	Adaptive and innate immune cell responses in tendons and lymph nodes after tendon injury and repair. <i>Journal of Applied Physiology</i> , 2020 , 128, 473-482	3.7	14
82	Scleraxis is required for the growth of adult tendons in response to mechanical loading. <i>JCI Insight</i> , 2020 , 5,	9.9	13
81	The MRL/MpJ Mouse Strain Is Not Protected From Muscle Atrophy and Weakness After Rotator Cuff Tear. <i>Journal of Orthopaedic Research</i> , 2020 , 38, 811-822	3.8	2
80	Musculoskeletal Consequences of COVID-19. <i>Journal of Bone and Joint Surgery - Series A</i> , 2020 , 102, 1197-1204	11.5	115
79	Hip Fracture Outcomes During the COVID-19 Pandemic: Early Results From New York. <i>Journal of Orthopaedic Trauma</i> , 2020 , 34, 403-410	3.1	63
78	Single-cell transcriptomic analysis identifies extensive heterogeneity in the cellular composition of mouse Achilles tendons. <i>American Journal of Physiology - Cell Physiology</i> , 2020 , 319, C885-C894	5.4	22
77	Universal Testing for COVID-19 in Essential Orthopaedic Surgery Reveals a High Percentage of Asymptomatic Infections. <i>Journal of Bone and Joint Surgery - Series A</i> , 2020 , 102, 1379-1388	5.6	44
76	Insulin-like growth factor 1 signaling in tenocytes is required for adult tendon growth. <i>FASEB Journal</i> , 2019 , 33, 12680-12695	0.9	19
75	Single Muscle Fibre Contractility Testing in Rats to Quantify Ischaemic Muscle Damage During Reperfusion Injury. <i>European Journal of Vascular and Endovascular Surgery</i> , 2019 , 58, 249-256	2.3	3

74	Reduced mitochondrial lipid oxidation leads to fat accumulation in myosteatosis. <i>FASEB Journal</i> , 2019 , 33, 7863-7881	0.9	32
73	Reduced Myogenic and Increased Adipogenic Differentiation Capacity of Rotator Cuff Muscle Stem Cells. <i>Journal of Bone and Joint Surgery - Series A</i> , 2019 , 101, 228-238	5.6	8
72	RE: Talks BJ, Fernquest S, Palmer A, et al. 2019. No Evidence of Systemic Inflammation in Symptomatic Patients With Femoroacetabular Impingement. <i>Journal of Orthopaedic Research</i> , 2019 , 37, 2621-2622	3.8	
71	Cryotherapy duration is critical in short-term recovery of athletes: a systematic review. <i>Journal of ISAKOS</i> , 2019 , 4, 131-136	1.1	2
70	Skeletal muscle fiber type-selective effects of acute exercise on insulin-stimulated glucose uptake in insulin-resistant, high-fat-fed rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019 , 316, E695-E706	6	12
69	Prostaglandin D signaling is not involved in the recovery of rat hind limb tendons from injury. <i>Physiological Reports</i> , 2019 , 7, e14289	2.6	2
68	A Transgenic tdTomato Rat for Cell Migration and Tissue Engineering Applications. <i>Tissue Engineering - Part C: Methods</i> , 2018 , 24, 263-271	2.9	7
67	Anterior cruciate ligament tear induces a sustained loss of muscle fiber force production. <i>Muscle and Nerve</i> , 2018 , 58, 145	3.4	19
66	Pathogenesis and Management of Tendinopathies in Sports Medicine. <i>Translational Sports Medicine</i> , 2018 , 1, 5-13	1.3	16
65	Postnatal tendon growth and remodeling require platelet-derived growth factor receptor signaling. <i>American Journal of Physiology - Cell Physiology</i> , 2018 , 314, C389-C403	5.4	16
64	Tissue-engineered tendon constructs for rotator cuff repair in sheep. <i>Journal of Orthopaedic Research</i> , 2018 , 36, 289-299	3.8	16
63	Amniotic membrane improves force production after repair of a massive rotator cuff tear. <i>FASEB Journal</i> , 2018 , 32, 856.1	0.9	
62	Physiological adaptations to resistance training in rats selectively bred for low and high response to aerobic exercise training. <i>Experimental Physiology</i> , 2018 , 103, 1513-1523	2.4	7
61	Sex differences in tendon structure and function. <i>Journal of Orthopaedic Research</i> , 2017 , 35, 2117-2126	3.8	34
60	Inhibition of prolyl 4-hydroxylase decreases muscle fibrosis following chronic rotator cuff tear. <i>Bone and Joint Research</i> , 2017 , 6, 57-65	4.2	8
59	Inhibition of platelet-derived growth factor signaling prevents muscle fiber growth during skeletal muscle hypertrophy. <i>FEBS Letters</i> , 2017 , 591, 801-809	3.8	21
58	Pharmacological inhibition of myostatin protects against skeletal muscle atrophy and weakness after anterior cruciate ligament tear. <i>Journal of Orthopaedic Research</i> , 2017 , 35, 2499-2505	3.8	23
57	Local cryotherapy minimally impacts the metabolome and transcriptome of human skeletal muscle. <i>Scientific Reports</i> , 2017 , 7, 2423	4.9	17

56	Active shortening protects against stretch-induced force deficits in human skeletal muscle. <i>Journal of Applied Physiology</i> , 2017 , 122, 1218-1226	3.7	2
55	Ex Situ Perfusion of Human Limb Allografts for 24 Hours. <i>Transplantation</i> , 2017 , 101, e68-e74	1.8	31
54	Changes in muscle fiber contractility and extracellular matrix production during skeletal muscle hypertrophy. <i>Journal of Applied Physiology</i> , 2017 , 122, 571-579	3.7	27
53	Regeneration of Skeletal Muscle After Eccentric Injury. <i>Journal of Sport Rehabilitation</i> , 2017 , 26, 171-179	1.7	18
52	What is the role of systemic conditions and options for manipulation of bone formation and bone resorption in rotator cuff tendon healing and repair?. <i>Techniques in Shoulder and Elbow Surgery</i> , 2017 , 18, 113-120	0.3	3
51	Fibroblasts take the centre stage in human skeletal muscle regeneration. <i>Journal of Physiology</i> , 2017 , 595, 5005	3.9	9
50	Optimal Joint Positions for Manual Isometric Muscle Testing. <i>Journal of Sport Rehabilitation</i> , 2016 , 25,	1.7	4
49	The Effect of Ex Situ Perfusion in a Swine Limb Vascularized Composite Tissue Allograft on Survival up to 24 Hours. <i>Journal of Hand Surgery</i> , 2016 , 41, 3-12	2.6	40
48	Stromal vascular stem cell treatment decreases muscle fibrosis following chronic rotator cuff tear. <i>International Orthopaedics</i> , 2016 , 40, 759-64	3.8	24
47	Platelet-Rich Plasma Activates Proinflammatory Signaling Pathways and Induces Oxidative Stress in Tendon Fibroblasts. <i>American Journal of Sports Medicine</i> , 2016 , 44, 1931-40	6.8	65
46	Inhibition of p38 mitogen-activated protein kinase signaling reduces fibrosis and lipid accumulation after rotator cuff repair. <i>Journal of Shoulder and Elbow Surgery</i> , 2016 , 25, 1501-8	4.3	21
45	Assessment of the Contractile Properties of Permeabilized Skeletal Muscle Fibers. <i>Methods in Molecular Biology</i> , 2016 , 1460, 321-36	1.4	1
44	Changes in skeletal muscle and tendon structure and function following genetic inactivation of myostatin in rats. <i>Journal of Physiology</i> , 2015 , 593, 2037-52	3.9	27
43	Simvastatin Reduces Fibrosis and Protects Against Muscle Weakness after Massive Rotator Cuff Tear. <i>Journal of Shoulder and Elbow Surgery</i> , 2015 , 24, e109-e110	4.3	
42	Mouse forepaw lumbrical muscles are resistant to age-related declines in force production. <i>Experimental Gerontology</i> , 2015 , 65, 42-5	4.5	6
41	Muscle fibers are injured at the time of acute and chronic rotator cuff repair. <i>Clinical Orthopaedics and Related Research</i> , 2015 , 473, 226-32	2.2	28
40	Inducible depletion of satellite cells in adult, sedentary mice impairs muscle regenerative capacity without affecting sarcopenia. <i>Nature Medicine</i> , 2015 , 21, 76-80	50.5	272
39	Reduced muscle fiber force production and disrupted myofibril architecture in patients with chronic rotator cuff tears. <i>Journal of Shoulder and Elbow Surgery</i> , 2015 , 24, 111-9	4.3	49

38	Haploinsufficiency of myostatin protects against aging-related declines in muscle function and enhances the longevity of mice. <i>Aging Cell</i> , 2015 , 14, 704-6	9.9	26
37	Measurement of Maximum Isometric Force Generated by Permeabilized Skeletal Muscle Fibers. <i>Journal of Visualized Experiments</i> , 2015 , e52695	1.6	16
36	Ex Situ Limb Perfusion System to Extend Vascularized Composite Tissue Allograft Survival in Swine. <i>Transplantation</i> , 2015 , 99, 2095-101	1.8	28
35	p38 MAPK signaling in postnatal tendon growth and remodeling. <i>PLoS ONE</i> , 2015 , 10, e0120044	3.7	27
34	TGF- β superfamily signaling in muscle and tendon adaptation to resistance exercise. <i>Exercise and Sport Sciences Reviews</i> , 2015 , 43, 93-9	6.7	60
33	Simvastatin reduces fibrosis and protects against muscle weakness after massive rotator cuff tear. <i>Journal of Shoulder and Elbow Surgery</i> , 2015 , 24, 280-7	4.3	36
32	Inhibition of 5-LOX, COX-1, and COX-2 increases tendon healing and reduces muscle fibrosis and lipid accumulation after rotator cuff repair. <i>American Journal of Sports Medicine</i> , 2014 , 42, 2860-8	6.8	55
31	Changes in macrophage phenotype and induction of epithelial-to-mesenchymal transition genes following acute Achilles tenotomy and repair. <i>Journal of Orthopaedic Research</i> , 2014 , 32, 944-51	3.8	75
30	T lymphocytes are not required for the development of fatty degeneration after rotator cuff tear. <i>Bone and Joint Research</i> , 2014 , 3, 262-72	4.2	10
29	A stochastic structural reliability model explains rotator cuff repair retears. <i>International Biomechanics</i> , 2014 , 1, 29-35	0.6	3
28	Synergist ablation induces rapid tendon growth through the synthesis of a neotendon matrix. <i>Journal of Applied Physiology</i> , 2014 , 117, 1287-91	3.7	33
27	Endocranial and masticatory muscle volumes in myostatin-deficient mice. <i>Royal Society Open Science</i> , 2014 , 1, 140187	3.3	6
26	Intrinsic stiffness of extracellular matrix increases with age in skeletal muscles of mice. <i>Journal of Applied Physiology</i> , 2014 , 117, 363-9	3.7	122
25	Aging-associated exacerbation in fatty degeneration and infiltration after rotator cuff tear. <i>Journal of Shoulder and Elbow Surgery</i> , 2014 , 23, 99-108	4.3	63
24	TGF- β enhances contractility in engineered skeletal muscle. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2013 , 7, 562-71	4.4	29
23	Atrogin-1, MuRF-1, and sarcopenia. <i>Endocrine</i> , 2013 , 43, 12-21	4	170
22	MMP inhibition as a potential method to augment the healing of skeletal muscle and tendon extracellular matrix. <i>Journal of Applied Physiology</i> , 2013 , 115, 884-91	3.7	63
21	Targeted inhibition of TGF- β results in an initial improvement but long-term deficit in force production after contraction-induced skeletal muscle injury. <i>Journal of Applied Physiology</i> , 2013 , 115, 539-45	3.7	36

20	Changes in circulating biomarkers of muscle atrophy, inflammation, and cartilage turnover in patients undergoing anterior cruciate ligament reconstruction and rehabilitation. <i>American Journal of Sports Medicine</i> , 2013 , 41, 1819-26	6.8	52
19	Elevation in circulating biomarkers of cartilage damage and inflammation in athletes with femoroacetabular impingement. <i>American Journal of Sports Medicine</i> , 2013 , 41, 2585-90	6.8	51
18	Transforming growth factor-beta induces skeletal muscle atrophy and fibrosis through the induction of atrogin-1 and scleraxis. <i>Muscle and Nerve</i> , 2012 , 45, 55-9	3.4	115
17	Physiological loading of tendons induces scleraxis expression in epitenon fibroblasts. <i>Journal of Orthopaedic Research</i> , 2012 , 30, 606-12	3.8	92
16	Rotator cuff tear reduces muscle fiber specific force production and induces macrophage accumulation and autophagy. <i>Journal of Orthopaedic Research</i> , 2012 , 30, 1963-70	3.8	61
15	Hyaluronic acid, HAS1, and HAS2 are significantly upregulated during muscle hypertrophy. <i>American Journal of Physiology - Cell Physiology</i> , 2012 , 303, C577-88	5.4	50
14	Mechanical loading and TGF- β change the expression of multiple miRNAs in tendon fibroblasts. <i>Journal of Applied Physiology</i> , 2012 , 113, 56-62	3.7	49
13	Achilles Tendon Ablation Induces Scleraxis Expression and Neotendon Formation in the Plantaris Tendon. <i>FASEB Journal</i> , 2012 , 26, 1142.52	0.9	
12	Fat accumulation, fibrosis, fiber-type switching, and a reduction in specific force production following rotator cuff tear. <i>FASEB Journal</i> , 2012 , 26, 1086.28	0.9	
11	Improvement in the Contractility and Muscle Stem Cell Density of the Rotator Cuff Following Surgical Repair: A Case Report. <i>JBJS Case Connector</i> , 2012 , 2, e75	0.4	
10	Decreased specific force and power production of muscle fibers from myostatin-deficient mice are associated with a suppression of protein degradation. <i>Journal of Applied Physiology</i> , 2011 , 111, 185-91	3.7	59
9	Role of Contraction-Induced Injury in Age-Related Muscle Wasting and Weakness 2011 , 373-391		
8	Specific force generation and injury susceptibility of permeabilized single skeletal muscle fibers from myostatin-deficient mice. <i>FASEB Journal</i> , 2010 , 24, 989.26	0.9	
7	Tendons of myostatin-deficient mice are small, brittle, and hypocellular. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 388-93	11.5	145
6	The aging of elite male athletes: age-related changes in performance and skeletal muscle structure and function. <i>Clinical Journal of Sport Medicine</i> , 2008 , 18, 501-7	3.2	85
5	Contractile properties of EDL and soleus muscles of myostatin-deficient mice. <i>Journal of Applied Physiology</i> , 2006 , 101, 898-905	3.7	115
4	Contractile properties of skeletal muscles from myostatin deficient mice. <i>FASEB Journal</i> , 2006 , 20, A3870.9		
3	Role of cyclooxygenase-1 and -2 in satellite cell proliferation, differentiation, and fusion. <i>Muscle and Nerve</i> , 2004 , 30, 497-500	3.4	64

2	Multionics Analysis of the mdx/mTR Mouse Model of Duchenne Muscular Dystrophy	3
1	Single-cell Transcriptomics Identify Extensive Heterogeneity in the Cellular Composition of Mouse Achilles Tendons	8