

Gordon S Lynch

List of Publications by Year in Descending Order

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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.

183
papers

7,237
citations

49
h-index

76
g-index

194
ext. papers

8,078
ext. citations

5.3
avg, IF

5.91
L-index

#	Paper	IF	Citations
183	Disruption of Hfe leads to skeletal muscle iron loading and reduction of hemoproteins involved in oxidative metabolism in a mouse model of hereditary hemochromatosis.. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2022 , 1866, 130082	4	0
182	Albumin and C-reactive protein relate to functional and body composition parameters in patients admitted to geriatric rehabilitation after acute hospitalization: findings from the RESORT cohort.. <i>European Geriatric Medicine</i> , 2022 , 1	3	0
181	Regenerative Rehabilitation for Duchenne Muscular Dystrophy. <i>Physiology in Health and Disease</i> , 2022 , 85-119	0.2	0
180	Comprehensive characterization of single-cell full-length isoforms in human and mouse with long-read sequencing. <i>Genome Biology</i> , 2021 , 22, 310	18.3	10
179	Glucosinolates From Cruciferous Vegetables and Their Potential Role in Chronic Disease: Investigating the Preclinical and Clinical Evidence. <i>Frontiers in Pharmacology</i> , 2021 , 12, 767975	5.6	8
178	Iron accumulation in skeletal muscles of old mice is associated with impaired regeneration after ischaemia-reperfusion damage. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2021 , 12, 476-492	10.3	6
177	Metabolic remodeling of dystrophic skeletal muscle reveals biological roles for dystrophin and utrophin in adaptation and plasticity. <i>Molecular Metabolism</i> , 2021 , 45, 101157	8.8	8
176	Phosphorylation of ERK and dystrophin S3059 protects against inflammation-associated C2C12 myotube atrophy. <i>American Journal of Physiology - Cell Physiology</i> , 2021 , 320, C956-C965	5.4	3
175	Striated muscle activator of Rho signalling (STARS) overexpression in the mdx mouse enhances muscle functional capacity and regulates the actin cytoskeleton and oxidative phosphorylation pathways. <i>Experimental Physiology</i> , 2021 , 106, 1597-1611	2.4	
174	Defective lysosome reformation during autophagy causes skeletal muscle disease. <i>Journal of Clinical Investigation</i> , 2021 , 131,	15.9	17
173	Mitochondrial hydrogen sulfide supplementation improves health in the Duchenne muscular dystrophy model. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	6
172	Bone Geometry Is Altered by Follistatin-Induced Muscle Growth in Young Adult Male Mice. <i>JBMR Plus</i> , 2021 , 5, e10477	3.9	1
171	Murine models of Duchenne muscular dystrophy: is there a best model?. <i>American Journal of Physiology - Cell Physiology</i> , 2021 , 321, C409-C412	5.4	1
170	Dystrophin deficiency disrupts muscle clock expression and mitochondrial quality control in mice. <i>American Journal of Physiology - Cell Physiology</i> , 2021 , 321, C288-C296	5.4	2
169	HSP70 drives myoblast fusion during C2C12 myogenic differentiation. <i>Biology Open</i> , 2020 , 9,	2.2	1
168	A Metabolic Roadmap for Somatic Stem Cell Fate. <i>Cell Metabolism</i> , 2020 , 31, 1052-1067	24.6	21
167	Spatiotemporal Mapping Reveals Regional Gastrointestinal Dysfunction in mdx Dystrophic Mice Ameliorated by Oral L-arginine Supplementation. <i>Journal of Neurogastroenterology and Motility</i> , 2020 , 26, 133-146	4.4	2

166	Glycine administration attenuates progression of dystrophic pathology in prednisolone-treated dystrophin/utrophin null mice. <i>Scientific Reports</i> , 2019 , 9, 12982	4.9	8
165	Overcoming nature's paradox in skeletal muscle to optimise animal production. <i>Animal Production Science</i> , 2019 , 59, 1957	1.4	1
164	Current pharmacotherapies for sarcopenia. <i>Expert Opinion on Pharmacotherapy</i> , 2019 , 20, 1645-1657	4	30
163	Expression and localization of heat-shock proteins during skeletal muscle cell proliferation and differentiation and the impact of heat stress. <i>Cell Stress and Chaperones</i> , 2019 , 24, 749-761	4	6
162	Deletion of suppressor of cytokine signaling 3 (SOCS3) in muscle stem cells does not alter muscle regeneration in mice after injury. <i>PLoS ONE</i> , 2019 , 14, e0212880	3.7	1
161	Choline administration attenuates aspects of the dystrophic pathology in mdx mice. <i>Clinical Nutrition Experimental</i> , 2019 , 24, 83-91	2	5
160	Phosphoproteomics reveals conserved exercise-stimulated signaling and AMPK regulation of store-operated calcium entry. <i>EMBO Journal</i> , 2019 , 38, e102578	13	22
159	The Microenvironment Is a Critical Regulator of Muscle Stem Cell Activation and Proliferation. <i>Frontiers in Cell and Developmental Biology</i> , 2019 , 7, 254	5.7	9
158	Aging and Skeletal Muscle 2019 , 41-41		
157	Glycine Protects Muscle Cells From Wasting via mTORC1 Signaling. <i>Frontiers in Nutrition</i> , 2019 , 6, 172	6.2	11
156	Mas Receptor Activation Slows Tumor Growth and Attenuates Muscle Wasting in Cancer. <i>Cancer Research</i> , 2019 , 79, 706-719	10.1	14
155	Dietary meat and protection against sarcopenia. <i>Meat Science</i> , 2018 , 144, 180-185	6.4	6
154	Therapeutic potential of heat shock protein induction for muscular dystrophy and other muscle wasting conditions. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018 , 373,	5.8	24
153	Scriptaid enhances skeletal muscle insulin action and cardiac function in obese mice. <i>Diabetes, Obesity and Metabolism</i> , 2017 , 19, 936-943	6.7	13
152	Glycine metabolism in skeletal muscle: implications for metabolic homeostasis. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2017 , 20, 237-242	3.8	22
151	Therapeutic Potential of Skeletal Muscle Plasticity and Slow Muscle Programming for Muscular Dystrophy and Related Muscle Conditions 2017 , 277-292		4
150	Smad7 gene delivery prevents muscle wasting associated with cancer cachexia in mice. <i>Science Translational Medicine</i> , 2016 , 8, 348ra98	17.5	45
149	BGP-15 Improves Aspects of the Dystrophic Pathology in mdx and dko Mice with Differing Efficacies in Heart and Skeletal Muscle. <i>American Journal of Pathology</i> , 2016 , 186, 3246-3260	5.8	19

148	Glycine restores the anabolic response to leucine in a mouse model of acute inflammation. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016 , 310, E970-81	6	19
147	Glycine supplementation during calorie restriction accelerates fat loss and protects against further muscle loss in obese mice. <i>Clinical Nutrition</i> , 2016 , 35, 1118-26	5.9	16
146	Amino acid sensing and activation of mechanistic target of rapamycin complex 1: implications for skeletal muscle. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2016 , 19, 67-73	3.8	12
145	Disease-Induced Skeletal Muscle Atrophy and Fatigue. <i>Medicine and Science in Sports and Exercise</i> , 2016 , 48, 2307-2319	1.2	79
144	Muscle-specific deletion of SOCS3 increases the early inflammatory response but does not affect regeneration after myotoxic injury. <i>Skeletal Muscle</i> , 2016 , 6, 36	5.1	14
143	Using AAV vectors expressing the β -adrenoceptor or associated G β proteins to modulate skeletal muscle mass and muscle fibre size. <i>Scientific Reports</i> , 2016 , 6, 23042	4.9	16
142	Glucose-6-phosphate dehydrogenase contributes to the regulation of glucose uptake in skeletal muscle. <i>Molecular Metabolism</i> , 2016 , 5, 1083-1091	8.8	15
141	Citrulline does not prevent skeletal muscle wasting or weakness in limb-casted mice. <i>Journal of Nutrition</i> , 2015 , 145, 900-6	4.1	15
140	Glucose uptake during contraction in isolated skeletal muscles from neuronal nitric oxide synthase β knockout mice. <i>Journal of Applied Physiology</i> , 2015 , 118, 1113-21	3.7	14
139	Targeting of Fn14 Prevents Cancer-Induced Cachexia and Prolongs Survival. <i>Cell</i> , 2015 , 162, 1365-78	56.2	82
138	Therapeutic potential of orphan drugs for the rare skeletal muscle diseases. <i>Expert Opinion on Orphan Drugs</i> , 2015 , 3, 1397-1425	1.1	4
137	FHL1 reduces dystrophy in transgenic mice overexpressing FSHD muscular dystrophy region gene 1 (FRG1). <i>PLoS ONE</i> , 2015 , 10, e0117665	3.7	7
136	L-Citrulline Protects Skeletal Muscle Cells from Cachectic Stimuli through an iNOS-Dependent Mechanism. <i>PLoS ONE</i> , 2015 , 10, e0141572	3.7	29
135	Tranilast administration reduces fibrosis and improves fatigue resistance in muscles of mdx dystrophic mice. <i>Fibrogenesis and Tissue Repair</i> , 2014 , 7, 1		20
134	Elevated expression of activins promotes muscle wasting and cachexia. <i>FASEB Journal</i> , 2014 , 28, 1711-23	3.9	130
133	Arginine protects muscle cells from wasting in vitro in an mTORC1-dependent and NO-independent manner. <i>Amino Acids</i> , 2014 , 46, 2643-52	3.5	26
132	Glycine administration attenuates skeletal muscle wasting in a mouse model of cancer cachexia. <i>Clinical Nutrition</i> , 2014 , 33, 448-58	5.9	59
131	Dysfunctional muscle and liver glycogen metabolism in mdx dystrophic mice. <i>PLoS ONE</i> , 2014 , 9, e91514	3.7	34

130	Functional β adrenoceptors are important for early muscle regeneration in mice through effects on myoblast proliferation and differentiation. <i>PLoS ONE</i> , 2014 , 9, e101379	3.7	8
129	G-CSF does not influence C2C12 myogenesis despite receptor expression in healthy and dystrophic skeletal muscle. <i>Frontiers in Physiology</i> , 2014 , 5, 170	4.6	13
128	Leucine as a treatment for muscle wasting: a critical review. <i>Clinical Nutrition</i> , 2014 , 33, 937-45	5.9	47
127	Alterations in Notch signalling in skeletal muscles from mdx and dko dystrophic mice and patients with Duchenne muscular dystrophy. <i>Experimental Physiology</i> , 2014 , 99, 675-87	2.4	19
126	Phosphorylation within the cysteine-rich region of dystrophin enhances its association with β dystroglycan and identifies a potential novel therapeutic target for skeletal muscle wasting. <i>Human Molecular Genetics</i> , 2014 , 23, 6697-711	5.6	10
125	Identification of FHL1 as a therapeutic target for Duchenne muscular dystrophy. <i>Human Molecular Genetics</i> , 2014 , 23, 618-36	5.6	10
124	Inhibition of the renin-angiotensin system improves physiological outcomes in mice with mild or severe cancer cachexia. <i>International Journal of Cancer</i> , 2013 , 133, 1234-46	7.5	25
123	Deletion of skeletal muscle SOCS3 prevents insulin resistance in obesity. <i>Diabetes</i> , 2013 , 62, 56-64	0.9	106
122	Intramuscular administration of PEGylated IGF-I improves skeletal muscle regeneration after myotoxic injury. <i>Growth Hormone and IGF Research</i> , 2013 , 23, 128-33	2	11
121	Physiological characterization of a mouse model of cachexia in colorectal liver metastases. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013 , 304, R854-64	3.2	12
120	Therapeutic potential of PEGylated insulin-like growth factor I for skeletal muscle disease evaluated in two murine models of muscular dystrophy. <i>Growth Hormone and IGF Research</i> , 2012 , 22, 69-75	2	17
119	Hsp72 preserves muscle function and slows progression of severe muscular dystrophy. <i>Nature</i> , 2012 , 484, 394-8	50.4	196
118	Disruption of muscle renin-angiotensin system in AT1a ^{-/-} mice enhances muscle function despite reducing muscle mass but compromises repair after injury. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2012 , 303, R321-31	3.2	12
117	Parvalbumin gene transfer impairs skeletal muscle contractility in old mice. <i>Human Gene Therapy</i> , 2012 , 23, 824-36	4.8	6
116	Importance of functional and metabolic impairments in the characterization of the C-26 murine model of cancer cachexia. <i>DMM Disease Models and Mechanisms</i> , 2012 , 5, 533-45	4.1	80
115	Emerging drugs for treating skeletal muscle injury and promoting muscle repair. <i>Expert Opinion on Emerging Drugs</i> , 2011 , 16, 163-82	3.7	13
114	Chronic formoterol administration reduces cardiac mitochondrial protein synthesis and oxidative capacity in mice. <i>International Journal of Cardiology</i> , 2011 , 146, 270-2	3.2	11
113	Acute antibody-directed myostatin inhibition attenuates disuse muscle atrophy and weakness in mice. <i>Journal of Applied Physiology</i> , 2011 , 110, 1065-72	3.7	39

112	Ageing prolongs inflammatory marker expression in regenerating rat skeletal muscles after injury. <i>Journal of Inflammation</i> , 2011 , 8, 41	6.7	22
111	Separation of fast from slow anabolism by site-specific PEGylation of insulin-like growth factor I (IGF-I). <i>Journal of Biological Chemistry</i> , 2011 , 286, 19501-10	5.4	36
110	Antibody-directed myostatin inhibition enhances muscle mass and function in tumor-bearing mice. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011 , 301, R716-26	3.2	77
109	Early functional muscle regeneration after myotoxic injury in mice is unaffected by nNOS absence. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011 , 301, R1358-66	3.2	10
108	Sarcopenia [Age-Related Muscle Wasting and Weakness 2011 ,		10
107	Overview of Sarcopenia 2011 , 1-7		1
106	Role of β Adrenergic Signalling in Skeletal Muscle Wasting: Implications for Sarcopenia 2011 , 449-471		
105	Cellular mechanisms underlying temporal changes in skeletal muscle protein synthesis and breakdown during chronic β -adrenoceptor stimulation in mice. <i>Journal of Physiology</i> , 2010 , 588, 4811-23	3.9	50
104	Novel role for β Adrenergic signalling in skeletal muscle growth, development and regeneration. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2010 , 37, 397-401	3	27
103	Antibody-directed myostatin inhibition in 21-mo-old mice reveals novel roles for myostatin signaling in skeletal muscle structure and function. <i>FASEB Journal</i> , 2010 , 24, 4433-42	0.9	101
102	Skeletal muscle glucose uptake during contraction is regulated by nitric oxide and ROS independently of AMPK. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2010 , 298, E577-85	6	100
101	Whole body deletion of AMP-activated protein kinase β 2 reduces muscle AMPK activity and exercise capacity. <i>Journal of Biological Chemistry</i> , 2010 , 285, 37198-209	5.4	129
100	Downstream mechanisms of nitric oxide-mediated skeletal muscle glucose uptake during contraction. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010 , 299, R1656-65	3.2	34
99	Making fast-twitch dystrophic muscles bigger protects them from contraction injury and attenuates the dystrophic pathology. <i>American Journal of Pathology</i> , 2010 , 176, 29-33	5.8	49
98	Antibody-directed myostatin inhibition improves diaphragm pathology in young but not adult dystrophic mdx mice. <i>American Journal of Pathology</i> , 2010 , 176, 2425-34	5.8	45
97	Cytoskeletal tropomyosin Tm5NM1 is required for normal excitation-contraction coupling in skeletal muscle. <i>Molecular Biology of the Cell</i> , 2009 , 20, 400-9	3.5	41
96	Adipose triacylglycerol lipase deletion alters whole body energy metabolism and impairs exercise performance in mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009 , 297, E505-13	6	104
95	Heritable pathologic cardiac hypertrophy in adulthood is preceded by neonatal cardiac growth restriction. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009 , 296, R672-80	3.2	27

94	Expression profiling of skeletal muscle following acute and chronic beta2-adrenergic stimulation: implications for hypertrophy, metabolism and circadian rhythm. <i>BMC Genomics</i> , 2009 , 10, 448	4.5	50
93	Examination of 'lipotoxicity' in skeletal muscle of high-fat fed and ob/ob mice. <i>Journal of Physiology</i> , 2009 , 587, 1593-605	3.9	84
92	Update on emerging drugs for cancer cachexia. <i>Expert Opinion on Emerging Drugs</i> , 2009 , 14, 619-32	3.7	33
91	The role of beta-adrenoceptor signaling in skeletal muscle: therapeutic implications for muscle wasting disorders. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2009 , 12, 601-6	3.8	14
90	Insulin-like growth factor-I analogue protects muscles of dystrophic mdx mice from contraction-mediated damage. <i>Experimental Physiology</i> , 2008 , 93, 1190-8	2.4	35
89	AMPK-independent pathways regulate skeletal muscle fatty acid oxidation. <i>Journal of Physiology</i> , 2008 , 586, 5819-31	3.9	107
88	Anabolic agents for improving muscle regeneration and function after injury. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2008 , 35, 852-8	3	25
87	The potential and the pitfalls of beta-adrenoceptor agonists for the management of skeletal muscle wasting 2008 , 120, 219-32		64
86	Towards developing standard operating procedures for pre-clinical testing in the mdx mouse model of Duchenne muscular dystrophy. <i>Neurobiology of Disease</i> , 2008 , 31, 1-19	7.5	245
85	Plasmid-based gene transfer in mouse skeletal muscle by electroporation. <i>Methods in Molecular Biology</i> , 2008 , 433, 115-25	1.4	19
84	Role of beta-adrenoceptor signaling in skeletal muscle: implications for muscle wasting and disease. <i>Physiological Reviews</i> , 2008 , 88, 729-67	47.9	285
83	Update on emerging drugs for sarcopenia - age-related muscle wasting. <i>Expert Opinion on Emerging Drugs</i> , 2008 , 13, 655-73	3.7	27
82	Muscle-specific overexpression of IGF-I improves E-C coupling in skeletal muscle fibers from dystrophic mdx mice. <i>American Journal of Physiology - Cell Physiology</i> , 2008 , 294, C161-8	5.4	37
81	Force deficits and breakage rates after single lengthening contractions of single fast fibers from unconditioned and conditioned muscles of young and old rats. <i>American Journal of Physiology - Cell Physiology</i> , 2008 , 295, C249-56	5.4	22
80	Stimulation of calcineurin Aalpha activity attenuates muscle pathophysiology in mdx dystrophic mice. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008 , 294, R983-92	3.3	31
79	Chronic beta2-adrenoceptor stimulation impairs cardiac relaxation via reduced SR Ca ²⁺ -ATPase protein and activity. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008 , 294, H2587-95	5.2	21
78	Impaired skeletal muscle development and function in male, but not female, genomic androgen receptor knockout mice. <i>FASEB Journal</i> , 2008 , 22, 2676-89	0.9	140
77	The orphan nuclear receptor, NOR-1, a target of beta-adrenergic signaling, regulates gene expression that controls oxidative metabolism in skeletal muscle. <i>Endocrinology</i> , 2008 , 149, 2853-65	4.8	112

76	Intramuscular beta2-agonist administration enhances early regeneration and functional repair in rat skeletal muscle after myotoxic injury. <i>Journal of Applied Physiology</i> , 2008 , 105, 165-72	3.7	31
75	Cellular and molecular mechanisms underlying age-related skeletal muscle wasting and weakness. <i>Biogerontology</i> , 2008 , 9, 213-28	4.5	267
74	Therapeutic approaches for muscle wasting disorders 2007 , 113, 461-87		117
73	beta-Adrenoceptor signaling in regenerating skeletal muscle after beta-agonist administration. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007 , 293, E932-40	6	30
72	Calcineurin-A alpha activation enhances the structure and function of regenerating muscles after myotoxic injury. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007 , 293, R686-94	3.2	23
71	Attenuation of age-related muscle wasting and weakness in rats after formoterol treatment: therapeutic implications for sarcopenia. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2007 , 62, 813-23	6.4	40
70	Low dose formoterol administration improves muscle function in dystrophic mdx mice without increasing fatigue. <i>Neuromuscular Disorders</i> , 2007 , 17, 47-55	2.9	53
69	Duchenne muscular dystrophy: focus on pharmaceutical and nutritional interventions. <i>International Journal of Biochemistry and Cell Biology</i> , 2007 , 39, 469-77	5.6	68
68	Modulation of insulin-like growth factor (IGF)-I and IGF-binding protein interactions enhances skeletal muscle regeneration and ameliorates the dystrophic pathology in mdx mice. <i>American Journal of Pathology</i> , 2007 , 171, 1180-8	5.8	49
67	IGF-I improves excitation-contraction coupling in skeletal muscle fibers of dystrophic mdx mice. <i>FASEB Journal</i> , 2007 , 21, A1357	0.9	
66	Adrenergic stimulation enhances IGF signaling in regenerating rat skeletal muscle. <i>FASEB Journal</i> , 2007 , 21, A944	0.9	1
65	Notexin causes greater myotoxic damage and slower functional repair in mouse skeletal muscles than bupivacaine. <i>Muscle and Nerve</i> , 2006 , 34, 577-85	3.4	57
64	The orphan nuclear receptor, NOR-1, is a target of beta-adrenergic signaling in skeletal muscle. <i>Endocrinology</i> , 2006 , 147, 5217-27	4.8	101
63	Continuous testosterone administration prevents skeletal muscle atrophy and enhances resistance to fatigue in orchidectomized male mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2006 , 291, E506-16	6	96
62	Systemic administration of IGF-I enhances oxidative status and reduces contraction-induced injury in skeletal muscles of mdx dystrophic mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2006 , 291, E499-505	6	53
61	Optimizing plasmid-based gene transfer for investigating skeletal muscle structure and function. <i>Molecular Therapy</i> , 2006 , 13, 795-803	11.7	78
60	Differential calcineurin signalling activity and regeneration efficacy in diaphragm and limb muscles of dystrophic mdx mice. <i>Neuromuscular Disorders</i> , 2006 , 16, 337-46	2.9	22
59	Systemic administration of beta2-adrenoceptor agonists, formoterol and salmeterol, elicit skeletal muscle hypertrophy in rats at micromolar doses. <i>British Journal of Pharmacology</i> , 2006 , 147, 587-95	8.6	81

58	Comparative evaluation of IGF-I gene transfer and IGF-I protein administration for enhancing skeletal muscle regeneration after injury. <i>Gene Therapy</i> , 2006 , 13, 1657-64	4	62
57	Activated calcineurin ameliorates contraction-induced injury to skeletal muscles of mdx dystrophic mice. <i>Journal of Physiology</i> , 2006 , 575, 645-56	3.9	54
56	Adrenergic signalling in regenerating rat skeletal muscle. <i>FASEB Journal</i> , 2006 , 20, A818	0.9	
55	Interleukin-15 administration improves diaphragm muscle pathology and function in dystrophic mdx mice. <i>American Journal of Pathology</i> , 2005 , 166, 1131-41	5.8	49
54	Length-tension relationships are altered in regenerating muscles of the rat after bupivacaine injection. <i>Journal of Applied Physiology</i> , 2005 , 98, 1998-2003	3.7	26
53	Chronic beta-agonist administration affects cardiac function of adult but not old rats, independent of beta-adrenoceptor density. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005 , 289, H344-9	5.2	24
52	Evaluating an internet weight loss program for diabetes prevention. <i>Health Promotion International</i> , 2005 , 20, 221-8	3	46
51	Beta2-agonist administration increases sarcoplasmic reticulum Ca ²⁺ -ATPase activity in aged rat skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2005 , 288, E526-33	6	40
50	Emerging drugs for sarcopenia: age-related muscle wasting. <i>Expert Opinion on Emerging Drugs</i> , 2004 , 9, 345-61	3.7	28
49	Tackling Australia's future health problems: developing strategies to combat sarcopenia--age-related muscle wasting and weakness. <i>Internal Medicine Journal</i> , 2004 , 34, 294-6	1.6	25
48	Beta 2-agonist administration reverses muscle wasting and improves muscle function in aged rats. <i>Journal of Physiology</i> , 2004 , 555, 175-88	3.9	82
47	Changes in contractile activation characteristics of rat fast and slow skeletal muscle fibres during regeneration. <i>Journal of Physiology</i> , 2004 , 558, 549-60	3.9	21
46	The calcineurin signal transduction pathway is essential for successful muscle regeneration in mdx dystrophic mice. <i>Acta Neuropathologica</i> , 2004 , 107, 299-310	14.3	68
45	Administration of insulin-like growth factor-I improves fatigue resistance of skeletal muscles from dystrophic mdx mice. <i>Muscle and Nerve</i> , 2004 , 30, 295-304	3.4	44
44	Update on therapies for sarcopenia: novel approaches for age-related muscle wasting and weakness. <i>Expert Opinion on Therapeutic Patents</i> , 2004 , 14, 1329-1344	6.8	4
43	Beta2-adrenoceptor agonist fenoterol enhances functional repair of regenerating rat skeletal muscle after injury. <i>Journal of Applied Physiology</i> , 2004 , 96, 1385-92	3.7	74
42	Making old muscles young again - therapeutic role for β -agonists? 2004 , 33-35		1
41	Depolarization-induced contraction and SR function in mechanically skinned muscle fibers from dystrophic mdx mice. <i>American Journal of Physiology - Cell Physiology</i> , 2003 , 285, C522-8	5.4	22

40	Therapeutic clenbuterol treatment does not alter Ca ²⁺ sensitivity of permeabilized fast muscle fibres from exercise trained or untrained horses. <i>Journal of Muscle Research and Cell Motility</i> , 2003 , 24, 471-6	3.5	13
39	Endurance training adaptations modulate the redox-force relationship of rat isolated slow-twitch skeletal muscles. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2003 , 30, 77-81	3	12
38	Effects of leukemia inhibitory factor on rat skeletal muscles are modulated by clenbuterol. <i>Muscle and Nerve</i> , 2002 , 25, 194-201	3.4	20
37	Excitation-contraction coupling and sarcoplasmic reticulum function in mechanically skinned fibres from fast skeletal muscles of aged mice. <i>Journal of Physiology</i> , 2002 , 543, 169-76	3.9	38
36	Beta 2-agonist fenoterol has greater effects on contractile function of rat skeletal muscles than clenbuterol. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2002 , 283, R1386-94	3.2	56
35	Hyperbaric oxygen increases the contractile function of regenerating rat slow muscles. <i>Medicine and Science in Sports and Exercise</i> , 2002 , 34, 630-6	1.2	11
34	Hydrogen peroxide increases depolarization-induced contraction of mechanically skinned slow twitch fibres from rat skeletal muscles. <i>Journal of Physiology</i> , 2002 , 539, 883-91	3.9	14
33	Novel therapies for sarcopenia: ameliorating age-related changes in skeletal muscle. <i>Expert Opinion on Therapeutic Patents</i> , 2002 , 12, 11-27	6.8	11
32	Improved contractile function of the mdx dystrophic mouse diaphragm muscle after insulin-like growth factor-I administration. <i>American Journal of Pathology</i> , 2002 , 161, 2263-72	5.8	97
31	Hyperbaric oxygen increases the contractile function of regenerating rat slow muscles. <i>Medicine and Science in Sports and Exercise</i> , 2002 , 34, 630-636	1.2	10
30	Hyperbaric oxygen modulates antioxidant enzyme activity in rat skeletal muscles. <i>European Journal of Applied Physiology</i> , 2001 , 86, 24-7	3.4	52
29	Rigor force responses of permeabilized fibres from fast and slow skeletal muscles of aged rats. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2001 , 28, 779-81	3	7
28	Force and power output of fast and slow skeletal muscles from mdx mice 6-28 months old. <i>Journal of Physiology</i> , 2001 , 535, 591-600	3.9	243
27	In vivo and in vitro correction of the mdx dystrophin gene nonsense mutation by short-fragment homologous replacement. <i>Human Gene Therapy</i> , 2001 , 12, 629-42	4.8	79
26	Novel therapies for muscular dystrophy and other muscle wasting conditions. <i>Expert Opinion on Therapeutic Patents</i> , 2001 , 11, 587-601	6.8	7
25	Force and power output of diaphragm muscle strips from mdx and control mice after clenbuterol treatment. <i>Neuromuscular Disorders</i> , 2001 , 11, 192-6	2.9	28
24	IGF-I treatment improves the functional properties of fast- and slow-twitch skeletal muscles from dystrophic mice. <i>Neuromuscular Disorders</i> , 2001 , 11, 260-8	2.9	73
23	Redox modulation of maximum force production of fast-and slow-twitch skeletal muscles of rats and mice. <i>Journal of Applied Physiology</i> , 2001 , 90, 832-8	3.7	26

22	Specific force of the rat extraocular muscles, levator and superior rectus, measured in situ. <i>Journal of Neurophysiology</i> , 2001 , 85, 1027-32	3.2	16
21	Therapies for improving muscle function in neuromuscular disorders. <i>Exercise and Sport Sciences Reviews</i> , 2001 , 29, 141-8	6.7	31
20	Deleterious effects of chronic clenbuterol treatment on endurance and sprint exercise performance in rats. <i>Clinical Science</i> , 2000 , 98, 339-347	6.5	58
19	Deleterious effects of chronic clenbuterol treatment on endurance and sprint exercise performance in rats. <i>Clinical Science</i> , 2000 , 98, 339	6.5	27
18	Functional properties of regenerating skeletal muscle following LIF administration. <i>Muscle and Nerve</i> , 2000 , 23, 1586-8	3.4	11
17	Leukemia inhibitory factor ameliorates muscle fiber degeneration in the mdx mouse. <i>Muscle and Nerve</i> , 2000 , 23, 1700-5	3.4	36
16	Power Output of Fast and Slow Skeletal Muscles of MDX (Dystrophic) and Control Mice After Clenbuterol Treatment. <i>Experimental Physiology</i> , 2000 , 85, 295-299	2.4	26
15	Hydrogen peroxide modulates Ca ²⁺ -activation of single permeabilized fibres from fast- and slow-twitch skeletal muscles of rats. <i>Journal of Muscle Research and Cell Motility</i> , 2000 , 21, 747-52	3.5	27
14	Contraction-induced injury to single permeabilized muscle fibers from mdx, transgenic mdx, and control mice. <i>American Journal of Physiology - Cell Physiology</i> , 2000 , 279, C1290-4	5.4	104
13	Hyperbaric oxygen improves contractile function of regenerating rat skeletal muscle after myotoxic injury. <i>Journal of Applied Physiology</i> , 2000 , 89, 1477-82	3.7	20
12	Power Output of Fast and Slow Skeletal Muscles of MDX (Dystrophic) and Control Mice After Clenbuterol Treatment 2000 , 85, 295		6
11	Year-long clenbuterol treatment of mice increases mass, but not specific force or normalized power, of skeletal muscles. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1999 , 26, 117-20	3	24
10	Contractile activation characteristics of single permeabilized fibres from levator palpebrae superioris, orbicularis oculi and vastus lateralis muscles from humans. <i>Journal of Physiology</i> , 1999 , 519 Pt 2, 615-22	3.9	13
9	Expression of the AMP-activated protein kinase beta1 and beta2 subunits in skeletal muscle. <i>FEBS Letters</i> , 1999 , 460, 343-8	3.8	103
8	Adaptations in rat skeletal muscle following long-term resistance exercise training. <i>European Journal of Applied Physiology</i> , 1998 , 77, 372-8	3.4	62
7	Contraction-induced injury to single muscle fibers: velocity of stretch does not influence the force deficit. <i>American Journal of Physiology - Cell Physiology</i> , 1998 , 275, C1548-54	5.4	42
6	Quantitative measurement of resting skeletal muscle [Ca ²⁺] _i following acute and long-term downhill running exercise in mice. <i>Cell Calcium</i> , 1997 , 22, 373-83	4	63
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2	Endurance exercise effects on the contractile properties of single, skinned skeletal muscle fibres of young rats. <i>Pflugers Archiv European Journal of Physiology</i> , 1991 , 418, 161-7	4.6	20
1	Comprehensive characterization of single cell full-length isoforms in human and mouse with long-read sequencing		10