

Gordon L Warren

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.

122 papers	5,965 citations	42 h-index	76 g-index
157 ext. papers	6,505 ext. citations	2.7 avg, IF	5.44 L-index

#	Paper	IF	Citations
122	Measurement tools used in the study of eccentric contraction-induced injury. <i>Sports Medicine</i> , 1999 , 27, 43-59	10.6	518
121	Mechanisms of exercise-induced muscle fibre injury. <i>Sports Medicine</i> , 1991 , 12, 184-207	10.6	367
120	Effects of concentric and eccentric training on muscle strength, cross-sectional area, and neural activation. <i>Journal of Applied Physiology</i> , 1996 , 81, 2173-81	3.7	316
119	E-C coupling failure in mouse EDL muscle after in vivo eccentric contractions. <i>Journal of Applied Physiology</i> , 1998 , 85, 58-67	3.7	206
118	Macrophages and skeletal muscle regeneration: a clodronate-containing liposome depletion study. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2006 , 290, R1488-95	3.2	201
117	Physiological role of tumor necrosis factor alpha in traumatic muscle injury. <i>FASEB Journal</i> , 2002 , 16, 1630-2	0.9	185
116	Effect of caffeine ingestion on muscular strength and endurance: a meta-analysis. <i>Medicine and Science in Sports and Exercise</i> , 2010 , 42, 1375-87	1.2	167
115	Excitation-contraction uncoupling: major role in contraction-induced muscle injury. <i>Exercise and Sport Sciences Reviews</i> , 2001 , 29, 82-7	6.7	159
114	Mechanical factors in the initiation of eccentric contraction-induced injury in rat soleus muscle. <i>Journal of Physiology</i> , 1993 , 464, 457-75	3.9	157
113	Excitation failure in eccentric contraction-induced injury of mouse soleus muscle. <i>Journal of Physiology</i> , 1993 , 468, 487-99	3.9	132
112	Hormone therapy and skeletal muscle strength: a meta-analysis. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2009 , 64, 1071-81	6.4	131
111	Chemokine receptor CCR2 involvement in skeletal muscle regeneration. <i>FASEB Journal</i> , 2005 , 19, 413-5	0.9	130
110	Muscle function and protein metabolism after initiation of eccentric contraction-induced injury. <i>Journal of Applied Physiology</i> , 1995 , 79, 1260-70	3.7	126
109	Estradiol replacement reverses ovariectomy-induced muscle contractile and myosin dysfunction in mature female mice. <i>Journal of Applied Physiology</i> , 2007 , 102, 1387-93	3.7	124
108	Intracellular Ca ²⁺ transients in mouse soleus muscle after hindlimb unloading and reloading. <i>Journal of Applied Physiology</i> , 1999 , 87, 386-90	3.7	113
107	Eccentric contraction-induced injury in normal and hindlimb-suspended mouse soleus and EDL muscles. <i>Journal of Applied Physiology</i> , 1994 , 77, 1421-30	3.7	113
106	Estrogen regulates estrogen receptors and antioxidant gene expression in mouse skeletal muscle. <i>PLoS ONE</i> , 2010 , 5, e10164	3.7	112

105	Role of CC chemokines in skeletal muscle functional restoration after injury. <i>American Journal of Physiology - Cell Physiology</i> , 2004 , 286, C1031-6	5.4	111
104	Altered primary myogenesis in NFATC3(-/-) mice leads to decreased muscle size in the adult. <i>Developmental Biology</i> , 2001 , 232, 115-26	3.1	102
103	Mechanisms of skeletal muscle injury and repair revealed by gene expression studies in mouse models. <i>Journal of Physiology</i> , 2007 , 582, 825-41	3.9	95
102	What mechanisms contribute to the strength loss that occurs during and in the recovery from skeletal muscle injury?. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2002 , 32, 58-64	4.2	93
101	Criterion-referenced standards for youth health-related fitness tests: a tutorial. <i>Research Quarterly for Exercise and Sport</i> , 1990 , 61, 7-19	1.9	86
100	Removal of ovarian hormones from mature mice detrimentally affects muscle contractile function and myosin structural distribution. <i>Journal of Applied Physiology</i> , 2006 , 100, 548-59	3.7	80
99	Decreased EMG median frequency during a second bout of eccentric contractions. <i>Medicine and Science in Sports and Exercise</i> , 2000 , 32, 820-9	1.2	79
98	Muscle activation and the slow component rise in oxygen uptake during cycling. <i>Medicine and Science in Sports and Exercise</i> , 2000 , 32, 2040-5	1.2	78
97	Uncoupling of in vivo torque production from EMG in mouse muscles injured by eccentric contractions. <i>Journal of Physiology</i> , 1999 , 515 (Pt 2), 609-19	3.9	74
96	Dissociation of force production from MHC and actin contents in muscles injured by eccentric contractions. <i>Journal of Muscle Research and Cell Motility</i> , 1998 , 19, 215-24	3.5	67
95	Caffeinated sports drink: ergogenic effects and possible mechanisms. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2007 , 17, 35-55	4.4	66
94	Quercetin and endurance exercise capacity: a systematic review and meta-analysis. <i>Medicine and Science in Sports and Exercise</i> , 2011 , 43, 2396-404	1.2	64
93	Temporal patterns of plantar pressures and lower-leg muscle activity during walking: effect of speed. <i>Gait and Posture</i> , 2004 , 19, 91-100	2.6	64
92	Soleus and EDL muscle contractility across the lifespan of female C57BL/6 mice. <i>Experimental Gerontology</i> , 2005 , 40, 966-75	4.5	61
91	Importance of satellite cells in the strength recovery after eccentric contraction-induced muscle injury. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2003 , 285, R1490-5	3.2	58
90	Attenuated human bone morphogenetic protein-2-mediated bone regeneration in a rat model of composite bone and muscle injury. <i>Tissue Engineering - Part C: Methods</i> , 2013 , 19, 316-25	2.9	56
89	Recovery from run training: efficacy of a carbohydrate-protein beverage?. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2005 , 15, 610-24	4.4	53
88	Functional analysis of limb recovery following autograft treatment of volumetric muscle loss in the quadriceps femoris. <i>Journal of Biomechanics</i> , 2014 , 47, 2013-21	2.9	52

87	Effectiveness of constraint-induced movement therapy on upper-extremity function in children with cerebral palsy: a systematic review and meta-analysis of randomized controlled trials. <i>Clinical Rehabilitation</i> , 2014 , 28, 939-53	3.3	48
86	Inflammatory mediators and skeletal muscle injury: a DNA microarray analysis. <i>Journal of Interferon and Cytokine Research</i> , 2003 , 23, 237-45	3.5	48
85	Does caffeine added to carbohydrate provide additional ergogenic benefit for endurance?. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2011 , 21, 71-84	4.4	46
84	Estradiol's beneficial effect on murine muscle function is independent of muscle activity. <i>Journal of Applied Physiology</i> , 2011 , 110, 109-15	3.7	45
83	Materials fatigue initiates eccentric contraction-induced injury in rat soleus muscle. <i>Journal of Physiology</i> , 1993 , 464, 477-89	3.9	45
82	Differential effects of anesthetics on in vivo skeletal muscle contractile function in the mouse. <i>Journal of Applied Physiology</i> , 1996 , 80, 332-40	3.7	44
81	Aging and the muscle-bone relationship. <i>Physiology</i> , 2015 , 30, 8-16	9.8	42
80	Dihydropyridine and ryanodine receptor binding after eccentric contractions in mouse skeletal muscle. <i>Journal of Applied Physiology</i> , 2004 , 96, 1619-25	3.7	41
79	Mechanical loading attenuates bone loss due to immobilization and calcium deficiency. <i>Journal of Applied Physiology</i> , 1999 , 87, 189-95	3.7	41
78	Estradiol effect on anterior crural muscles-tibial bone relationship and susceptibility to injury. <i>Journal of Applied Physiology</i> , 1996 , 80, 1660-5	3.7	40
77	Mitochondrial maintenance via autophagy contributes to functional skeletal muscle regeneration and remodeling. <i>American Journal of Physiology - Cell Physiology</i> , 2016 , 311, C190-200	5.4	37
76	Bone is functionally impaired in dystrophic mice but less so than skeletal muscle. <i>Neuromuscular Disorders</i> , 2011 , 21, 183-93	2.9	36
75	Adaptive strength gains in dystrophic muscle exposed to repeated bouts of eccentric contraction. <i>Journal of Applied Physiology</i> , 2011 , 111, 1768-77	3.7	36
74	Decreased contraction economy in mouse EDL muscle injured by eccentric contractions. <i>Journal of Applied Physiology</i> , 1996 , 81, 2555-64	3.7	34
73	Muscle activity and aging affect myosin structural distribution and force generation in rat fibers. <i>Journal of Applied Physiology</i> , 2004 , 96, 498-506	3.7	33
72	Red blood cell pulmonary capillary transit time during exercise in athletes. <i>Medicine and Science in Sports and Exercise</i> , 1991 , 23, 1353-1361	1.2	33
71	Eccentric contraction-induced injury of mouse soleus muscle: effect of varying [Ca ²⁺] _o . <i>Journal of Applied Physiology</i> , 1994 , 76, 1445-53	3.7	32
70	Therapeutic Approaches for Volumetric Muscle Loss Injury: A Systematic Review and Meta-Analysis. <i>Tissue Engineering - Part B: Reviews</i> , 2019 , 25, 510-525	7.9	31

69	Acute failure of action potential conduction in mdx muscle reveals new mechanism of contraction-induced force loss. <i>Journal of Physiology</i> , 2013 , 591, 3765-76	3.9	29
68	A stimulating nerve cuff for chronic in vivo measurements of torque produced about the ankle in the mouse. <i>Journal of Applied Physiology</i> , 1998 , 84, 2171-6	3.7	29
67	Variable-frequency-train stimulation of skeletal muscle after spinal cord injury. <i>Journal of Rehabilitation Research and Development</i> , 2004 , 41, 33-40		28
66	Skeletal Myoblast-Seeded Vascularized Tissue Scaffolds in the Treatment of a Large Volumetric Muscle Defect in the Rat Biceps Femoris Muscle. <i>Tissue Engineering - Part A</i> , 2017 , 23, 989-1000	3.9	26
65	Hydration during exercise in warm, humid conditions: effect of a caffeinated sports drink. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2007 , 17, 163-77	4.4	26
64	Effect of NSAIDs on Recovery From Acute Skeletal Muscle Injury: A Systematic Review and Meta-analysis. <i>American Journal of Sports Medicine</i> , 2018 , 46, 224-233	6.8	25
63	Functional recovery of the plantarflexor muscle group after hindlimb unloading in the rat. <i>European Journal of Applied Physiology</i> , 2004 , 93, 130-8	3.4	25
62	Redistribution of cell membrane probes following contraction-induced injury of mouse soleus muscle. <i>Cell and Tissue Research</i> , 1995 , 282, 311-20	4.2	25
61	Treadmill exercise training and estradiol increase plasma ACTH and prolactin after novel footshock. <i>Journal of Applied Physiology</i> , 1996 , 80, 931-9	3.7	25
60	Caffeines enhancement of maximal voluntary strength and activation in uninjured but not injured muscle. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2008 , 18, 639-52	4.4	24
59	Fatigability and Variable-Frequency Train Stimulation of Human Skeletal Muscles. <i>Physical Therapy</i> , 2003 , 83, 366-373	3.3	24
58	Voluntary run training but not estradiol deficiency alters the tibial bone-soleus muscle functional relationship in mice. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007 , 293, R2015-26	3.2	22
57	Alterations in mRNA and protein levels of metalloproteinases-2, -9, and -14 and tissue inhibitor of metalloproteinase-2 responses to traumatic skeletal muscle injury. <i>American Journal of Physiology - Cell Physiology</i> , 2009 , 297, C1501-8	5.4	21
56	Temperature dependency of force loss and Ca(2+) homeostasis in mouse EDL muscle after eccentric contractions. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2002 , 282, R1122-32	3.2	21
55	A moderate oestradiol level enhances neutrophil number and activity in muscle after traumatic injury but strength recovery is accelerated. <i>Journal of Physiology</i> , 2018 , 596, 4665-4680	3.9	20
54	Early rehabilitation for volumetric muscle loss injury augments endogenous regenerative aspects of muscle strength and oxidative capacity. <i>BMC Musculoskeletal Disorders</i> , 2018 , 19, 173	2.8	18
53	Strength loss after eccentric contractions is unaffected by creatine supplementation. <i>Journal of Applied Physiology</i> , 2000 , 89, 557-62	3.7	18
52	CK-MM autoantibodies: prevalence, immune complexes, and effect on CK clearance. <i>Muscle and Nerve</i> , 2006 , 34, 335-46	3.4	17

51	Does lung function limit performance in a 24-hour ultramarathon?. <i>Respiration Physiology</i> , 1989 , 78, 253-63		17
50	Increasing hip and knee flexion during a drop-jump task reduces tibiofemoral shear and compressive forces: implications for ACL injury prevention training. <i>Journal of Sports Sciences</i> , 2017 , 35, 2405-2411	3.6	15
49	Variable frequency trains enhance torque independent of stimulation amplitude. <i>Acta Physiologica Scandinavica</i> , 2003 , 177, 87-92		15
48	Toll-like and adenosine receptor expression in injured skeletal muscle. <i>Muscle and Nerve</i> , 2011 , 44, 85-92	3.4	14
47	Plasmalemma Function Is Rapidly Restored in Mdx Muscle after Eccentric Contractions. <i>Medicine and Science in Sports and Exercise</i> , 2020 , 52, 354-361	1.2	14
46	Acromion morphology and prevalence of rotator cuff tear: A systematic review and meta-analysis. <i>Clinical Anatomy</i> , 2019 , 32, 122-130	2.5	13
45	Fatigability and variable-frequency train stimulation of human skeletal muscles. <i>Physical Therapy</i> , 2003 , 83, 366-73	3.3	13
44	Minimal Evidence for a Secondary Loss of Strength After an Acute Muscle Injury: A Systematic Review and Meta-Analysis. <i>Sports Medicine</i> , 2017 , 47, 41-59	10.6	11
43	Low intensity, high frequency vibration training to improve musculoskeletal function in a mouse model of Duchenne muscular dystrophy. <i>PLoS ONE</i> , 2014 , 9, e104339	3.7	11
42	Comments on Point:Counterpoint: Estrogen and sex do/do not influence post-exercise indexes of muscle damage, inflammation, and repair. <i>Journal of Applied Physiology</i> , 2009 , 106, 1016-20	3.7	10
41	CCR2 elimination in mice results in larger and stronger tibial bones but bone loss is not attenuated following ovariectomy or muscle denervation. <i>Calcified Tissue International</i> , 2014 , 95, 457-66	3.9	9
40	Matrix metalloprotease-3 and tissue inhibitor of metalloprotease-1 mRNA and protein levels are altered in response to traumatic skeletal muscle injury. <i>European Journal of Applied Physiology</i> , 2010 , 109, 963-72	3.4	9
39	Male mice with elevated C-type natriuretic peptide-dependent guanylyl cyclase-B activity have increased osteoblasts, bone mass and bone strength. <i>Bone</i> , 2020 , 135, 115320	4.7	7
38	Excitation-Contraction Uncoupling: Major Role in Contraction-Induced Muscle Injury. <i>Exercise and Sport Sciences Reviews</i> , 2001 , 29, 82-87	6.7	7
37	Is the gender difference in peak VO ₂ greater for arm than leg exercise?. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1990 , 60, 149-54		7
36	Small Beneficial Effect of Caffeinated Energy Drink Ingestion on Strength. <i>Journal of Strength and Conditioning Research</i> , 2016 , 30, 1862-70	3.2	7
35	Guidelines for Models of Skeletal Muscle Injury and Therapeutic Assessment. <i>Cells Tissues Organs</i> , 2016 , 202, 214-226	2.1	7
34	A Proximal Fibularis Brevis Muscle Is Associated with Longitudinal Split Tendons: A Cadaveric Study. <i>Journal of Foot and Ankle Surgery</i> , 2017 , 56, 34-36	1.6	6

33	Caffeine Ingestion With or Without Low-Dose Carbohydrate Improves Exercise Tolerance in Sedentary Adults. <i>Frontiers in Nutrition</i> , 2019 , 6, 9	6.2	6
32	Assessing Resting Metabolic Rate in Overweight and Obese Adolescents With a Portable Indirect Calorimeter: A Pilot Study for Validation and Reliability. <i>Nutrition in Clinical Practice</i> , 2016 , 31, 355-61	3.6	5
31	Acceleration tolerance after ingestion of a commercial energy drink. <i>Aviation, Space, and Environmental Medicine</i> , 2010 , 81, 1100-6		4
30	The Mental Health Well-Being of Grandparents Raising Grandchildren: A Systematic Review and Meta-Analysis. <i>Marriage and Family Review</i> , 2021 , 57, 329-345	0.9	4
29	Effect of Exercise Training on the Mental and Physical Well-Being of Caregivers for Persons Living With Chronic Illnesses: A Systematic Review and Meta-Analysis. <i>Journal of Applied Gerontology</i> , 2021 , 40, 18-27	3.3	3
28	Effects of treadmill running and limb immobilization on knee cartilage degeneration and locomotor joint kinematics in rats following knee meniscal transection. <i>Osteoarthritis and Cartilage</i> , 2019 , 27, 1851-1859	6.2	2
27	Mouse plantar flexor muscle size and strength after inactivity and training. <i>Aviation, Space, and Environmental Medicine</i> , 2010 , 81, 632-8		2
26	694 CELL MEMORANE DAMAGE IN EXERCISE-INDUCED MUSCLE FIBER INJURY. <i>Medicine and Science in Sports and Exercise</i> , 1994 , 26, S124	1.2	2
25	DIHYDROPYRIDINE AND RYANODINE RECEPTOR BINDING AFTER ECCENTRIC CONTRACTIONS IN MOUSE SKELETAL MUSCLE. <i>Medicine and Science in Sports and Exercise</i> , 1999 , 31, S72	1.2	2
24	Voluntary and magnetically evoked muscle contraction protocol in males with Duchenne muscular dystrophy: Safety, feasibility, reliability, and validity. <i>Muscle and Nerve</i> , 2021 , 64, 190-198	3.4	2
23	Downhill Running Impairs Activation and Strength of the Elbow Flexors. <i>Journal of Strength and Conditioning Research</i> , 2021 , 35, 2145-2150	3.2	2
22	Redistribution of cell membrane probes following contraction-induced injury of mouse soleus muscle. <i>Cell and Tissue Research</i> , 1995 , 282, 311-320	4.2	1
21	Contraction-Induced Loss of Plasmalemmal Electrophysiological Function Is Dependent on the Dystrophin Glycoprotein Complex. <i>Frontiers in Physiology</i> , 2021 , 12, 757121	4.6	1
20	Fluid Replacement In The Heat. <i>Medicine and Science in Sports and Exercise</i> , 2005 , 37, S28	1.2	1
19	A retrospective analysis of associations between BMI and days spent on mechanical ventilation in a level 1 trauma facility. <i>Heart and Lung: Journal of Acute and Critical Care</i> , 2020 , 49, 605-609	2.6	0
18	Estradiol enhances neutrophil infiltration into traumatically-injured skeletal muscle. <i>FASEB Journal</i> , 2015 , 29, LB704	0.9	0
17	Nanofiber-Based Delivery of Bioactive Lipids Promotes Pro-regenerative Inflammation and Enhances Muscle Fiber Growth After Volumetric Muscle Loss. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021 , 9, 650289	5.8	0
16	Tissue selective effects of bazedoxifene on the musculoskeletal system in female mice. <i>Journal of Endocrinology</i> , 2021 , 248, 181-191	4.7	0

- 15 Altered Joint Loading Affects Cartilage Degeneration and Limb Function in Rats following Knee Meniscal Transection. *Medicine and Science in Sports and Exercise*, **2017**, 49, 949 1.2
- 14 Addition Of Caffeine To Carbohydrate: Improved Ergogenic Effect For Endurance Exercise?. *Medicine and Science in Sports and Exercise*, **2010**, 42, 107 1.2
- 13 DOES MYOSIN STRUCTURE AND FUNCTION CHANGE WITH INCREASED OR DECREASED MUSCLE ACTIVITY?. *Medicine and Science in Sports and Exercise*, **2002**, 34, S186 1.2
- 12 IMPORTANCE OF SATELLITE CELLS IN RECOVERY FROM ECCENTRIC CONTRACTION-INDUCED INJURY. *Medicine and Science in Sports and Exercise*, **2003**, 35, S157 1.2
- 11 CK-MM Autoantibodies after Skeletal Muscle Injury. *Medicine and Science in Sports and Exercise*, **2004**, 36, S289 1.2
- 10 Activation of G Protein-Coupled Estrogen Receptor Contributes to Muscle Force Potentiation in Ovariectomized Mice. *Medicine and Science in Sports and Exercise*, **2018**, 50, 114 1.2
- 9 Recovery of Membrane Excitability in Dystrophic Skeletal Muscle Following Eccentric Contractions. *Medicine and Science in Sports and Exercise*, **2018**, 50, 643 1.2
- 8 Increased Fiber Excitability Does Not Contribute to Post-Tetanic Potentiation in Mice. *FASEB Journal*, **2019**, 33, 701.14 0.9
- 7 Sites of Disruption in Dystrophic Muscle Following Eccentric Contractions. *Medicine and Science in Sports and Exercise*, **2019**, 51, 144-144 1.2
- 6 Caffeine but not Low-Carbohydrate Improves Exercise Capacity in Sedentary Adults Similar to Endurance Trained Athletes. *Medicine and Science in Sports and Exercise*, **2017**, 49, 115 1.2
- 5 Innate resolution of traumatic injury-induced skeletal muscle inflammation is initiated within 24 hours and involves MKP-1 induction, Hsf-1 disinhibition, and Hsp27 expression. *FASEB Journal*, **2010**, 24, 753.9 0.9
- 4 Dystrophin is not required for skeletal muscle to adapt to repeated bouts of lengthening contractions. *FASEB Journal*, **2011**, 25, 1105.13 0.9
- 3 Matrix metalloprotease inhibitor Batimastat does not improve skeletal muscle function post-traumatic injury. *FASEB Journal*, **2012**, 26, 1086.2 0.9
- 2 Matrix Metalloprotease Inhibition Negatively Affects Signaling Required for Muscle Regeneration Post-traumatic Injury. *FASEB Journal*, **2013**, 27, 939.18 0.9
- 1 Enhancement of knee extension voluntary and electrically-evoked strength with the body tilted backward. *Isokinetics and Exercise Science*, **2020**, 28, 101-109 0.6