

Thomas J Walters

List of Publications by Citations

Source: <https://exaly.com/author-pdf/12030218/thomas-j-walters-publications-by-citations.pdf>
Version: 2024-04-10

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.

68 papers	3,322 citations	27 h-index	57 g-index
69 ext. papers	3,718 ext. citations	3.3 avg, IF	5.15 L-index

#	Paper	IF	Citations
68	Survival with emergency tourniquet use to stop bleeding in major limb trauma. <i>Annals of Surgery</i> , 2009 , 249, 1-7	7.8	389
67	Prehospital tourniquet use in Operation Iraqi Freedom: effect on hemorrhage control and outcomes. <i>Journal of Trauma</i> , 2008 , 64, S28-37; discussion S37		231
66	Battle casualty survival with emergency tourniquet use to stop limb bleeding. <i>Journal of Emergency Medicine</i> , 2011 , 41, 590-7	1.5	212
65	Clinical application of an acellular biologic scaffold for surgical repair of a large, traumatic quadriceps femoris muscle defect. <i>Orthopedics</i> , 2010 , 33, 511	1.5	196
64	Practical use of emergency tourniquets to stop bleeding in major limb trauma. <i>Journal of Trauma</i> , 2008 , 64, S38-49; discussion S49-50		187
63	The promotion of a functional fibrosis in skeletal muscle with volumetric muscle loss injury following the transplantation of muscle-ECM. <i>Biomaterials</i> , 2013 , 34, 3324-35	15.6	128
62	A tissue-engineered muscle repair construct for functional restoration of an irrecoverable muscle injury in a murine model. <i>Tissue Engineering - Part A</i> , 2011 , 17, 2291-303	3.9	127
61	Repair of traumatic skeletal muscle injury with bone-marrow-derived mesenchymal stem cells seeded on extracellular matrix. <i>Tissue Engineering - Part A</i> , 2010 , 16, 2871-81	3.9	111
60	Functional assessment of skeletal muscle regeneration utilizing homologous extracellular matrix as scaffolding. <i>Tissue Engineering - Part A</i> , 2010 , 16, 1395-405	3.9	111
59	An acellular biologic scaffold does not regenerate appreciable de novo muscle tissue in rat models of volumetric muscle loss injury. <i>Biomaterials</i> , 2015 , 67, 393-407	15.6	95
58	Effectiveness of self-applied tourniquets in human volunteers. <i>Prehospital Emergency Care</i> , 2005 , 9, 416-23		88
57	Implantation of in vitro tissue engineered muscle repair constructs and bladder acellular matrices partially restore in vivo skeletal muscle function in a rat model of volumetric muscle loss injury. <i>Tissue Engineering - Part A</i> , 2014 , 20, 705-15	3.9	82
56	A standardized rat model of volumetric muscle loss injury for the development of tissue engineering therapies. <i>BioResearch Open Access</i> , 2012 , 1, 280-90	2.4	78
55	Therapeutic strategies for preventing skeletal muscle fibrosis after injury. <i>Frontiers in Pharmacology</i> , 2015 , 6, 87	5.6	75
54	Issues related to the use of tourniquets on the battlefield. <i>Military Medicine</i> , 2005 , 170, 770-5	1.3	74
53	Heating and pain sensation produced in human skin by millimeter waves: comparison to a simple thermal model. <i>Health Physics</i> , 2000 , 78, 259-67	2.3	74
52	Minor morbidity with emergency tourniquet use to stop bleeding in severe limb trauma: research, history, and reconciling advocates and abolitionists. <i>Military Medicine</i> , 2011 , 176, 817-23	1.3	66

51	Physical rehabilitation improves muscle function following volumetric muscle loss injury. <i>BMC Sports Science, Medicine and Rehabilitation</i> , 2014 , 6, 41	2.4	58
50	Adipose-derived stem cell delivery into collagen gels using chitosan microspheres. <i>Tissue Engineering - Part A</i> , 2010 , 16, 1369-84	3.9	57
49	Losartan administration reduces fibrosis but hinders functional recovery after volumetric muscle loss injury. <i>Journal of Applied Physiology</i> , 2014 , 117, 1120-31	3.7	54
48	A bilayer construct controls adipose-derived stem cell differentiation into endothelial cells and pericytes without growth factor stimulation. <i>Tissue Engineering - Part A</i> , 2011 , 17, 941-53	3.9	52
47	Muscle-derived decellularised extracellular matrix improves functional recovery in a rat latissimus dorsi muscle defect model. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2013 , 66, 1750-8	1.7	50
46	Extended (16-hour) tourniquet application after combat wounds: a case report and review of the current literature. <i>Journal of Orthopaedic Trauma</i> , 2007 , 21, 274-8	3.1	50
45	Thresholds of microwave-evoked warmth sensations in human skin. <i>Bioelectromagnetics</i> , 1997 , 18, 403-408	4.0	49
44	Physiological evaluation of the U.S. Army one-handed tourniquet. <i>Military Medicine</i> , 2005 , 170, 776-81	1.3	32
43	Systematic review of prehospital tourniquet use in civilian limb trauma. <i>Journal of Trauma and Acute Care Surgery</i> , 2018 , 84, 819-825	3.3	30
42	Transfusion for shock in US military war casualties with and without tourniquet use. <i>Annals of Emergency Medicine</i> , 2015 , 65, 290-6	2.1	29
41	Fasciotomy rates in operations enduring freedom and iraqi freedom: association with injury severity and tourniquet use. <i>Journal of Orthopaedic Trauma</i> , 2011 , 25, 134-9	3.1	27
40	Amelioration of ischemia-reperfusion-induced muscle injury by the recombinant human MG53 protein. <i>Muscle and Nerve</i> , 2015 , 52, 852-8	3.4	26
39	Skeletal muscle satellite cell activation following cutaneous burn in rats. <i>Burns</i> , 2013 , 39, 736-44	2.3	26
38	Tourniquet use is not associated with limb loss following military lower extremity arterial trauma. <i>Journal of Trauma and Acute Care Surgery</i> , 2018 , 85, 495-499	3.3	26
37	Influence of fiber-type composition on recovery from tourniquet-induced skeletal muscle ischemia-reperfusion injury. <i>Applied Physiology, Nutrition and Metabolism</i> , 2008 , 33, 272-81	3	25
36	Functional deficits and insulin-like growth factor-I gene expression following tourniquet-induced injury of skeletal muscle in young and old rats. <i>Journal of Applied Physiology</i> , 2008 , 105, 1274-81	3.7	25
35	Co-delivery of a laminin-111 supplemented hyaluronic acid based hydrogel with minced muscle graft in the treatment of volumetric muscle loss injury. <i>PLoS ONE</i> , 2018 , 13, e0191245	3.7	25
34	A PEGylated platelet free plasma hydrogel based composite scaffold enables stable vascularization and targeted cell delivery for volumetric muscle loss. <i>Acta Biomaterialia</i> , 2018 , 65, 150-162	10.8	25

33	The impact of muscle disuse on muscle atrophy in severely burned rats. <i>Journal of Surgical Research</i> , 2010 , 164, e243-51	2.5	20
32	The combined influence of hemorrhage and tourniquet application on the recovery of muscle function in rats. <i>Journal of Orthopaedic Trauma</i> , 2008 , 22, 47-51	3.1	20
31	Poloxamer-188 reduces muscular edema after tourniquet-induced ischemia-reperfusion injury in rats. <i>Journal of Trauma</i> , 2011 , 70, 1192-7		19
30	Impairment of IGF-I expression and anabolic signaling following ischemia/reperfusion in skeletal muscle of old mice. <i>Experimental Gerontology</i> , 2011 , 46, 265-72	4.5	19
29	Muscle contractile properties in severely burned rats. <i>Burns</i> , 2010 , 36, 905-11	2.3	19
28	Mediators leading to fibrosis - how to measure and control them in tissue engineering. <i>Operative Techniques in Orthopaedics</i> , 2010 , 20, 110-118	0.3	19
27	Effects of blood flow on skin heating induced by millimeter wave irradiation in humans. <i>Health Physics</i> , 2004 , 86, 115-20	2.3	16
26	Severe burn and disuse in the rat independently adversely impact body composition and adipokines. <i>Critical Care</i> , 2013 , 17, R225	10.8	15
25	Treatment of tourniquet-induced ischemia reperfusion injury with muscle progenitor cells. <i>Journal of Surgical Research</i> , 2011 , 170, e65-73	2.5	15
24	Effect of fluid resuscitation on acute skeletal muscle ischemia-reperfusion injury after hemorrhagic shock in rats. <i>Journal of the American College of Surgeons</i> , 2006 , 202, 888-96	4.4	15
23	Activity attenuates skeletal muscle fiber damage after ischemia and reperfusion. <i>Muscle and Nerve</i> , 2015 , 52, 640-8	3.4	14
22	Epimysium and perimysium in suturing in skeletal muscle lacerations. <i>Journal of Trauma</i> , 2005 , 59, 209-12		14
21	Regional distribution of Hsp70 in the CNS of young and old food-restricted rats following hyperthermia. <i>Brain Research Bulletin</i> , 2001 , 55, 367-74	3.9	14
20	A Porcine Urinary Bladder Matrix Does Not Recapitulate the Spatiotemporal Macrophage Response of Muscle Regeneration after Volumetric Muscle Loss Injury. <i>Cells Tissues Organs</i> , 2016 , 202, 189-201	2.1	13
19	Effect of recombinant human MG53 protein on tourniquet-induced ischemia-reperfusion injury in rat muscle. <i>Muscle and Nerve</i> , 2014 , 49, 919-21	3.4	13
18	The effect of a hypobaric, hypoxic environment on acute skeletal muscle edema after ischemia-reperfusion injury in rats. <i>Journal of Surgical Research</i> , 2010 , 160, 253-9	2.5	12
17	Age does not affect thermal and cardiorespiratory responses to microwave heating in calorically restricted rats. <i>Shock</i> , 1997 , 8, 55-60	3.4	10
16	Predictors and timing of amputations in military lower extremity trauma with arterial injury. <i>Journal of Trauma and Acute Care Surgery</i> , 2019 , 87, S172-S177	3.3	10

15	Fresh frozen plasma reduces edema in skeletal muscle following combined limb ischemia-reperfusion injury and hemorrhagic shock in rats. <i>Journal of Trauma and Acute Care Surgery</i> , 2015 , 79, S110-5	3.3	7
14	Noninvasive diagnostics for extremity compartment syndrome following traumatic injury: A state-of-the-art review. <i>Journal of Trauma and Acute Care Surgery</i> , 2019 , 87, S59-S66	3.3	7
13	Emergency tourniquets. <i>Journal of the American College of Surgeons</i> , 2007 , 204, 185-6; author reply 186-7.	4.4	6
12	Impact of Staged Vascular Management on Limb Outcomes in Wartime Femoropopliteal Arterial Injury. <i>Annals of Vascular Surgery</i> , 2020 , 62, 119-127	1.7	6
11	Fresh whole blood resuscitation does not exacerbate skeletal muscle edema and long-term functional deficit after ischemic injury and hemorrhagic shock. <i>Journal of Trauma and Acute Care Surgery</i> , 2018 , 84, 786-794	3.3	4
10	Pathophysiological alterations induced by sustained 35-GHz radio-frequency energy heating. <i>Journal of Basic and Clinical Physiology and Pharmacology</i> , 2016 , 27, 79-89	1.6	4
9	Intramuscular transplantation and survival of freshly isolated bone marrow cells following skeletal muscle ischemia-reperfusion injury. <i>Journal of Trauma and Acute Care Surgery</i> , 2013 , 75, S142-9	3.3	4
8	Influence of systemic hypotension on skeletal muscle ischemia-reperfusion injury after 4-hour tourniquet application. <i>Journal of Surgical Education</i> , 2007 , 64, 273-7	3.4	4
7	Postischemic conditioning does not reduce muscle injury after tourniquet-induced ischemia-reperfusion injury in rats. <i>American Journal of Emergency Medicine</i> , 2016 , 34, 2065-2069	2.9	3
6	In reply. <i>Annals of Emergency Medicine</i> , 2015 , 66, 340-1	2.1	3
5	Early Fasciotomy and Limb Salvage and Complications in Military Lower Extremity Vascular Injury. <i>Journal of Surgical Research</i> , 2021 , 260, 409-418	2.5	2
4	Utility of the Mangled Extremity Severity Score in Predicting Amputation in Military Lower Extremity Arterial Injury. <i>Annals of Vascular Surgery</i> , 2021 , 70, 95-100	1.7	2
3	The Combined Influence of Hemorrhage and Ischemia/Reperfusion Injury (I/R) on Muscle Function in Rats. <i>FASEB Journal</i> , 2006 , 20, A1157	0.9	1
2	Fatty Acid-Saturated Albumin Reduces High Mortality and Fluid Requirements in a Rat Model of Hemorrhagic Shock Plus Tourniquet and Hypotensive Resuscitation. <i>Shock</i> , 2020 , 53, 179-188	3.4	1
1	Outcomes of Arterial Grafts for the Reconstruction of Military Lower Extremity Arterial Injuries. <i>Annals of Vascular Surgery</i> , 2021 , 76, 59-65	1.7	1