

Thomas J Walters

List of Publications by Year in Descending Order

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Version: 2024-04-10

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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.

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	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
67	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
66	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
65	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
64	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
63	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
62	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
61	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
60	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
59	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
58	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
57	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
56	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
55	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
54	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
53	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
52	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

51	Therapeutic strategies for preventing skeletal muscle fibrosis after injury. <i>Frontiers in Pharmacology</i> , 2015 , 6, 87	5.6	75
50	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
49	In reply. <i>Annals of Emergency Medicine</i> , 2015 , 66, 340-1	2.1	3
48	Activity attenuates skeletal muscle fiber damage after ischemia and reperfusion. <i>Muscle and Nerve</i> , 2015 , 52, 640-8	3.4	14
47	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
46	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
45	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
44	Physical rehabilitation improves muscle function following volumetric muscle loss injury. <i>BMC Sports Science, Medicine and Rehabilitation</i> , 2014 , 6, 41	2.4	58
43	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
42	Skeletal muscle satellite cell activation following cutaneous burn in rats. <i>Burns</i> , 2013 , 39, 736-44	2.3	26
41	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
40	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
39	Severe burn and disuse in the rat independently adversely impact body composition and adipokines. <i>Critical Care</i> , 2013 , 17, R225	10.8	15
38	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
37	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
36	Treatment of tourniquet-induced ischemia reperfusion injury with muscle progenitor cells. <i>Journal of Surgical Research</i> , 2011 , 170, e65-73	2.5	15
35	Battle casualty survival with emergency tourniquet use to stop limb bleeding. <i>Journal of Emergency Medicine</i> , 2011 , 41, 590-7	1.5	212
34	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

33	Poloxamer-188 reduces muscular edema after tourniquet-induced ischemia-reperfusion injury in rats. <i>Journal of Trauma</i> , 2011 , 70, 1192-7		19
32	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
31	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
30	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
29	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
28	Adipose-derived stem cell delivery into collagen gels using chitosan microspheres. <i>Tissue Engineering - Part A</i> , 2010 , 16, 1369-84	3.9	57
27	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
26	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
25	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
24	Muscle contractile properties in severely burned rats. <i>Burns</i> , 2010 , 36, 905-11	2.3	19
23	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
22	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
21	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
20	Survival with emergency tourniquet use to stop bleeding in major limb trauma. <i>Annals of Surgery</i> , 2009 , 249, 1-7	7.8	389
19	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
18	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
17	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
16	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

15	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
14	Emergency tourniquets. <i>Journal of the American College of Surgeons</i> , 2007 , 204, 185-6; author reply 186-7	4.4	6
13	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
12	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
11	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
10	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
9	Epimysium and perimysium in suturing in skeletal muscle lacerations. <i>Journal of Trauma</i> , 2005 , 59, 209-12		14
8	Issues related to the use of tourniquets on the battlefield. <i>Military Medicine</i> , 2005 , 170, 770-5	1.3	74
7	Physiological evaluation of the U.S. Army one-handed tourniquet. <i>Military Medicine</i> , 2005 , 170, 776-81	1.3	32
6	Effectiveness of self-applied tourniquets in human volunteers. <i>Prehospital Emergency Care</i> , 2005 , 9, 416-23		88
5	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
4	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
3	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
2	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
1	Thresholds of microwave-evoked warmth sensations in human skin. <i>Bioelectromagnetics</i> , 1997 , 18, 403-408		49