Timothy A Butterfield

List of Publications by Year
in descending order

51 papers	1,536 citations	377584 21 h-index	355658 38 g-index
51 all docs	51 docs citations	51 times ranked	2002 citing authors

#	Article	IF	Citations
1	Temporal disruption of neuromuscular communication and muscle atrophy following noninvasive ACL injury in rats. Journal of Applied Physiology, 2022, 132, 46-57.	1.2	3
2	Long-Lasting Impairments in Quadriceps Mitochondrial Health, Muscle Size, and Phenotypic Composition Are Present After Non-invasive Anterior Cruciate Ligament Injury. Frontiers in Physiology, 2022, 13, 805213.	1.3	4
3	Mechanotherapy Reprograms Aged Muscle Stromal Cells to Remodel the Extracellular Matrix during Recovery from Disuse. Function, 2022, 3, zqac015.	1.1	4
4	Muscle from aged rats is resistant to mechanotherapy during atrophy and reloading. GeroScience, 2021, 43, 65-83.	2.1	7
5	Massage as a Mechanotherapy for Skeletal Muscle. Exercise and Sport Sciences Reviews, 2021, 49, 107-114.	1.6	7
6	Age-Related Susceptibility to Muscle Damage Following Mechanotherapy in Rats Recovering From Disuse Atrophy. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2021, 76, 2132-2140.	1.7	6
7	Breast Implant-associated Anaplastic Large Cell Lymphoma. Annals of Surgery, 2021, 273, 449-458.	2.1	22
8	Cellular and Molecular Mechanisms of Breast Implantâ€“Associated Anaplastic Large Cell Lymphoma. Plastic and Reconstructive Surgery, 2021, 147, 30e-41e.	0.7	23
9	Upregulation of Systemic Inflammatory Pathways Following Anterior Cruciate Ligament Injury Relates to Both Cartilage and Muscular Changes: A Pilot Study. Journal of Orthopaedic Research, 2020, 38, 387-392.	1.2	12
10	The Role of Muscle-Derived Stem Cell-Enriched Scaffolds for Treating Volumetric Muscle Defects. Plastic and Reconstructive Surgery, 2020, 145, 202e-203e.	0.7	1
11	Oncogenic Drivers of Breast Implant-Associated Anaplastic Large Cell Lymphoma. Plastic and Reconstructive Surgery, 2020, 145, 195e-196e.	0.7	4
12	Morphology and Anabolic Response of Skeletal Muscles Subjected to Eccentrically or Concentrically Biased Exercise. Journal of Athletic Training, 2020, 55, 336-342.	0.9	3
13	Massage as a mechanotherapy promotes skeletal muscle protein and ribosomal turnover but does not mitigate muscle atrophy during disuse in adult rats. Acta Physiologica, 2020, 229, e13460.	1.8	27
14	Serum extracellular vesicle miR-203a-3p content is associated with skeletal muscle mass and protein turnover during disuse atrophy and regrowth. American Journal of Physiology - Cell Physiology, 2020, 319, C419-C431.	2.1	18
15	Age-related responses to a bout of mechanotherapy in skeletal muscle of rats. Journal of Applied Physiology, 2019, 127, 1782-1791.	1.2	11
16	Massage increases satellite cell number independent of the ageâ€associated alterations in sarcolemma permeability. Physiological Reports, 2019, 7, e14200.	0.7	19
17	Using Massage to Combat Fear-Avoidance and the Pain Tension Cycle. International Journal of Athletic Therapy and Training, 2019, 24, 198-201.	0.1	1
18	CRISPR Craft. Plastic and Reconstructive Surgery, 2019, 144, 714e-715e.	0.7	1

#	Article	IF	Citations
19	Appalachian Status Is a Negative Predictor of Breast Reconstruction Following Breast Cancer Resection. Annals of Plastic Surgery, 2019, 83, e15-e19.	0.5	2
20	THE RELATIONSHIP BETWEEN PITCHING VOLUME AND ARM SORENESS IN COLLEGIATE BASEBALL PITCHERS. International Journal of Sports Physical Therapy, 2019, 14, 97-106.	0.5	18
21	Chronic muscle weakness and mitochondrial dysfunction in the absence of sustained atrophy in a preclinical sepsis model. ELife, 2019, 8, .	2.8	58
22	THE RELATIONSHIP BETWEEN PITCHING VOLUME AND ARM SORENESS IN COLLEGIATE BASEBALL PITCHERS. International Journal of Sports Physical Therapy, 2019, 14, 97-106.	0.5	7
23	Enhanced skeletal muscle regrowth and remodelling in massaged and contralateral nonâ€massaged hindlimb. Journal of Physiology, 2018, 596, 83-103.	1.3	56
24	Muscular bases and mechanisms of variable resistance training efficacy. International Journal of Sports Science and Coaching, 2018, 13, 1177-1188.	0.7	23
25	Skeletal Muscle Disuse Alters Exosome miRNA Predicted to Target Various Signaling Pathways Related to Muscle Atrophy. FASEB Journal, 2018, 32, 856.10.	0.2	0
26	Shifting the Current Clinical Perspective: Isolated Eccentric Exercise as an Effective Intervention to Promote the Recovery of Muscle After Injury. Journal of Sport Rehabilitation, 2017, 26, 122-130.	0.4	6
27	Eccentric Contractions: They Are Not So â€œOddâ€•Anymore. Journal of Sport Rehabilitation, 2017, 26, 117-119.	0.4	2
28	Effectiveness of a Home-Based Eccentric-Exercise Program on the Torque-Angle Relationship of the Shoulder External Rotators: A Pilot Study. Journal of Sport Rehabilitation, 2017, 26, 141-150.	0.4	7
29	Neuromuscular Alterations After Ankle Sprains: An Animal Model to Establish Causal Links After Injury. Journal of Athletic Training, 2016, 51, 797-805.	0.9	10
30	Intrinsic muscle clock is necessary for musculoskeletal health. Journal of Physiology, 2015, 593, 5387-5404.	1.3	100
31	Serum Cartilage Oligomeric Matrix Protein Levels in Collegiate Soccer Athletes over the Duration of an Athletic Season. Cartilage, 2015, 6, 6-11.	1.4	8
32	Investigating the Mechanisms of Massage Efficacy: The Role of Mechanical Immunomodulation. Journal of Athletic Training, 2014, 49, 266-273.	0.9	94
33	Effects of immediate vs. delayed massage-like loading on skeletal muscle viscoelastic properties following eccentric exercise. Clinical Biomechanics, 2014, 29, 671-678.	0.5	15
34	Immunomodulatory effects of massage on nonperturbed skeletal muscle in rats. Journal of Applied Physiology, 2014, 116, 164-175.	1.2	28
35	Dose-dependency of massage-like compressive loading on recovery of active muscle properties following eccentric exercise: rabbit study with clinical relevance. British Journal of Sports Medicine, 2013, 47, 83-88.	3.1	44
36	Massage Timing Affects Postexercise Muscle Recovery and Inflammation in a Rabbit Model. Medicine and Science in Sports and Exercise, 2013, 45, 1105-1112.	0.2	42

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37	In vivo passive mechanical properties of skeletal muscle improve with massage-like loading following eccentric exercise. Journal of Biomechanics, 2012, 45, 2630-2636.	0.9	33
38	Sequential Alterations in Catabolic and Anabolic Gene Expression Parallel Pathological Changes during Progression of Monoiodoacetate-Induced Arthritis. PLoS ONE, 2011, 6, e24320.	1.1	43
39	Transcriptome-wide gene regulation by gentle treadmill walking during the progression of monoiodoacetate-induced arthritis. Arthritis and Rheumatism, 2011, 63, 1613-1625.	6.7	47
40	Chronic Stimulationâ€“Induced Changes in the Rodent Thyroarytenoid Muscle. Journal of Speech, Language, and Hearing Research, 2011, 54, 845-853.	0.7	22
41	Eccentric Exercise In Vivo. Exercise and Sport Sciences Reviews, 2010, 38, 51-60.	1.6	76
42	Stretch-Activated Ion Channel Blockade Attenuates Adaptations to Eccentric Exercise. Medicine and Science in Sports and Exercise, 2009, 41, 351-356.	0.2	19
43	Cyclic Compressive Loading Facilitates Recovery after Eccentric Exercise. Medicine and Science in Sports and Exercise, 2008, 40, 1289-1296.	0.2	47
44	An Engineering Approach for Quantitative Analysis of the Lengthwise Strokes in Massage Therapies. Journal of Medical Devices, Transactions of the ASME, 2008, 2, .	0.4	14
45	Effect of altering starting length and activation timing of muscle on fiber strain and muscle damage. Journal of Applied Physiology, 2006, 100, 1489-1498.	1.2	61
46	The magnitude of muscle strain does not influence serial sarcomere number adaptations following eccentric exercise. Pflugers Archiv European Journal of Physiology, 2006, 451, 688-700.	1.3	65
47	The dual roles of neutrophils and macrophages in inflammation: a critical balance between tissue damage and repair. Journal of Athletic Training, 2006, 41, 457-65.	0.9	195
48	Quantification of muscle fiber strain during in vivo repetitive stretch-shortening cycles. Journal of Applied Physiology, 2005, 99, 593-602.	1.2	40
49	Differential serial sarcomere number adaptations in knee extensor muscles of rats is contraction type dependent. Journal of Applied Physiology, 2005, 99, 1352-1358.	1.2	117
50	Is the force-length relationship a useful indicator of contractile element damage following eccentric exercise?. Journal of Biomechanics, 2005, 38, 1932-1937.	0.9	31
51	Frequency and length-dependent effects of Botulinum toxin-induced muscle weakness. Journal of Biomechanics, 2005, 38, 609-613.	0.9	33