Claire E Stewart

List of Publications by Year in Descending Order

Source: https://exaly.com/author-pdf/6273683/claire-e-stewart-publications-by-year.pdf
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91 papers	4,010 citations	34 h-index	62 g-index
96 ext. papers	4,607 ext. citations	5.4 avg, IF	5.43 L-index

#	Paper	IF	Citations
91	(-)-Epicatechin Alters Reactive Oxygen and Nitrogen Species Production Independent of Mitochondrial Respiration in Human Vascular Endothelial Cells.. *Oxidative Medicine and Cellular Longevity*, **2022**, 2022, 4413191	6.7	0
90	Multiscale-Engineered Muscle Constructs: PEG Hydrogel Micro-Patterning on an Electrospun PCL Mat Functionalized with Gold Nanoparticles.. *International Journal of Molecular Sciences*, **2021**, 23,	6.3	1
89	Neuromuscular fatigue and recovery after strenuous exercise depends on skeletal muscle size and stem cell characteristics. *Scientific Reports*, **2021**, 11, 7733	4.9	3
88	Knockdown of the E3 ubiquitin ligase UBR5 and its role in skeletal muscle anabolism. *American Journal of Physiology - Cell Physiology*, **2021**, 320, C45-C56	5.4	7
87	Dynamic Profiling of Protein Mole Synthesis Rates during C2C12 Myoblast Differentiation. *Proteomics*, **2021**, 21, e2000071	4.8	3
86	How the love of muscle can break a heart: Impact of anabolic androgenic steroids on skeletal muscle hypertrophy, metabolic and cardiovascular health. *Reviews in Endocrine and Metabolic Disorders*, **2021**, 22, 389-405	10.5	4
85	Mechanical loading of bioengineered skeletal muscle in vitro recapitulates gene expression signatures of resistance exercise in vivo. *Journal of Cellular Physiology*, **2021**, 236, 6534-6547	7	2
84	Stem cells and regenerative medicine in sport science. *Emerging Topics in Life Sciences*, **2021**, 5, 563-573	3.5	1
83	Sarcopenia during COVID-19 lockdown restrictions: long-term health effects of short-term muscle loss. *GeroScience*, **2020**, 42, 1547-1578	8.9	83
82	DNA methylation across the genome in aged human skeletal muscle tissue and muscle-derived cells: the role of HOX genes and physical activity. *Scientific Reports*, **2020**, 10, 15360	4.9	27
81	Combined resistance and aerobic exercise intervention improves fitness, insulin resistance and quality of life in survivors of childhood haemopoietic stem cell transplantation with total body irradiation. *Pediatric Blood and Cancer*, **2020**, 67, e28687	3	5
80	Post-exercise carbohydrate and energy availability induce independent effects on skeletal muscle cell signalling and bone turnover: implications for training adaptation. *Journal of Physiology*, **2019**, 597, 4779-4796	3.9	28
79	Exercising Bioengineered Skeletal Muscle In Vitro: Biopsy to Bioreactor. *Methods in Molecular Biology*, **2019**, 1889, 55-79	1.4	5
78	Soluble Factors Released From Activated T Lymphocytes Regulate C2C12 Myoblast Proliferation and Cellular Signaling, but Effects Are Blunted in the Elderly. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2019**, 74, 1375-1385	6.4	0
77	Human Skeletal Muscle Possesses an Epigenetic Memory of Hypertrophy. *Scientific Reports*, **2018**, 8, 1898	4.9	130
76	Variations of collagen-encoding genes are associated with exercise-induced muscle damage. *Physiological Genomics*, **2018**, 50, 691-693	3.6	7
75	TRIM63 (MuRF-1) gene polymorphism is associated with biomarkers of exercise-induced muscle damage. *Physiological Genomics*, **2018**, 50, 142-143	3.6	12

74	Methylome of human skeletal muscle after acute & chronic resistance exercise training, detraining & retraining. *Scientific Data*, **2018**, 5, 180213	8.2	36
73	The role of resveratrol on skeletal muscle cell differentiation and myotube hypertrophy during glucose restriction. *Molecular and Cellular Biochemistry*, **2018**, 444, 109-123	4.2	26
72	Epigenetics of Skeletal Muscle Aging **2018**, 389-416		6
71	Transcriptomic and epigenetic regulation of disuse atrophy and the return to activity in skeletal muscle. *FASEB Journal*, **2017**, 31, 5268-5282	0.9	31
70	Murine myoblast migration: influence of replicative ageing and nutrition. *Biogerontology*, **2017**, 18, 947-964	4.5	4
69	Omega-3 fatty acid EPA improves regenerative capacity of mouse skeletal muscle cells exposed to saturated fat and inflammation. *Biogerontology*, **2017**, 18, 109-129	4.5	32
68	Skeletal muscle cells possess a RmemoryRof acute early life TNF-exposure: role of epigenetic adaptation. *Biogerontology*, **2016**, 17, 603-17	4.5	38
67	Inter-individual variability in the response to maximal eccentric exercise. *European Journal of Applied Physiology*, **2016**, 116, 2055-6	3.4	3
66	Genetic variation and exercise-induced muscle damage: implications for athletic performance, injury and ageing. *European Journal of Applied Physiology*, **2016**, 116, 1595-625	3.4	77
65	Testosterone enables growth and hypertrophy in fusion impaired myoblasts that display myotube atrophy: deciphering the role of androgen and IGF-I receptors. *Biogerontology*, **2016**, 17, 619-39	4.5	29
64	l-glutamine Improves Skeletal Muscle Cell Differentiation and Prevents Myotube Atrophy After Cytokine (TNF-)Stress Via Reduced p38 MAPK Signal Transduction. *Journal of Cellular Physiology*, **2016**, 231, 2720-32	7	29
63	Regenerative function of immune system: Modulation of muscle stem cells. *Ageing Research Reviews*, **2016**, 27, 67-76	12	48
62	Fuel for the work required: a practical approach to amalgamating train-low paradigms for endurance athletes. *Physiological Reports*, **2016**, 4, e12803	2.6	65
61	Does skeletal muscle have an RepiRmemory? The role of epigenetics in nutritional programming, metabolic disease, aging and exercise. *Aging Cell*, **2016**, 15, 603-16	9.9	101
60	Longevity and skeletal muscle mass: the role of IGF signalling, the sirtuins, dietary restriction and protein intake. *Aging Cell*, **2015**, 14, 511-23	9.9	128
59	The lymphocyte secretome from young adults enhances skeletal muscle proliferation and migration, but effects are attenuated in the secretome of older adults. *Physiological Reports*, **2015**, 3, e12518	2.6	10
58	Growth hormone deficiency after childhood bone marrow transplantation with total body irradiation: interaction with adiposity and age. *Clinical Endocrinology*, **2015**, 83, 508-17	3.4	13
57	A systems-based investigation into vitamin D and skeletal muscle repair, regeneration, and hypertrophy. *American Journal of Physiology - Endocrinology and Metabolism*, **2015**, 309, E1019-31	6	87

56	Influence of exercise intensity on training-induced tendon mechanical properties changes in older individuals. *Age*, **2014**, 36, 9657		23
55	The individual and combined influence of ACE and ACTN3 genotypes on muscle phenotypes before and after strength training. *Scandinavian Journal of Medicine and Science in Sports*, **2014**, 24, 642-8	4.6	44
54	Lean mass, muscle strength and gene expression in community dwelling older men: findings from the Hertfordshire Sarcopenia Study (HSS). *Calcified Tissue International*, **2014**, 95, 308-16	3.9	48
53	Activated lymphocytes secretome inhibits differentiation and induces proliferation of C2C12 myoblasts. *Cellular Physiology and Biochemistry*, **2014**, 33, 117-28	3.9	10
52	Phospho-tyrosine phosphatase inhibitor Bpv(Hopic) enhances C2C12 myoblast migration in vitro. Requirement of PI3K/AKT and MAPK/ERK pathways. *Journal of Muscle Research and Cell Motility*, **2013**, 34, 125-36	3.5	19
51	Age-dependent alteration in muscle regeneration: the critical role of tissue niche. *Biogerontology*, **2013**, 14, 273-92	4.5	79
50	Immobility and diminished skeletal muscle recovery with age: the sedentary myoblast. *Journal of Physiology*, **2013**, 591, 3671-2	3.9	
49	The role of insulin-like-growth factor binding protein 2 (IGFBP2) and phosphatase and tensin homologue (PTEN) in the regulation of myoblast differentiation and hypertrophy. *Growth Hormone and IGF Research*, **2013**, 23, 53-61	2	32
48	Impaired hypertrophy in myoblasts is improved with testosterone administration. *Journal of Steroid Biochemistry and Molecular Biology*, **2013**, 138, 152-61	5.1	28
47	Identification and characterization of novel Kirrel isoform during myogenesis. *Physiological Reports*, **2013**, 1, e00044	2.6	6
46	Inhibitory effects of IL-6 on IGF-1 activity in skeletal myoblasts could be mediated by the activation of SOCS-3. *Journal of Cellular Biochemistry*, **2012**, 113, 923-33	4.7	25
45	Modelling in vivo skeletal muscle ageing in vitro using three-dimensional bioengineered constructs. *Aging Cell*, **2012**, 11, 986-95	9.9	52
44	Sirtuin 1 regulates skeletal myoblast survival and enhances differentiation in the presence of resveratrol. *Experimental Physiology*, **2012**, 97, 400-18	2.4	34
43	Do PTK2 gene polymorphisms contribute to the interindividual variability in muscle strength and the response to resistance training? A preliminary report. *Journal of Applied Physiology*, **2012**, 112, 1329-34	3.7	14
42	Developmental influences, muscle morphology, and sarcopenia in community-dwelling older men. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2012**, 67, 82-7	6.4	41
41	Myoblast models of skeletal muscle hypertrophy and atrophy. *Current Opinion in Clinical Nutrition and Metabolic Care*, **2011**, 14, 230-6	3.8	27
40	What causes in vivo muscle specific tension to increase following resistance training?. *Experimental Physiology*, **2011**, 96, 145-55	2.4	34
39	Reduction of myoblast differentiation following multiple population doublings in mouse C2 C12 cells: a model to investigate ageing?. *Journal of Cellular Biochemistry*, **2011**, 112, 3773-85	4.7	32

38	A semi-automated programme for tracking myoblast migration following mechanical damage: manipulation by chemical inhibitors. *Cellular Physiology and Biochemistry*, **2011**, 27, 625-36	3.9	10
37	Muscle tissue oxygenation and VEGF in VO-matched vibration and squatting exercise. *Clinical Physiology and Functional Imaging*, **2010**, 30, 269-78	2.4	34
36	Resistance training increases in vivo quadriceps femoris muscle specific tension in young men. *Acta Physiologica*, **2010**, 199, 83-9	5.6	49
35	C2 skeletal myoblast survival, death, proliferation and differentiation: regulation by Adra1d. *Cellular Physiology and Biochemistry*, **2010**, 25, 253-62	3.9	8
34	Point:Counterpoint: IGF is/is not the major physiological regulator of muscle mass. Point: IGF is the major physiological regulator of muscle mass. *Journal of Applied Physiology*, **2010**, 108, 1820-1; discussion 1823-4; author reply 1832	3.7	28
33	Inter-individual variability in the adaptation of human muscle specific tension to progressive resistance training. *European Journal of Applied Physiology*, **2010**, 110, 1117-25	3.4	61
32	Influences of carbohydrate plus amino acid supplementation on differing exercise intensity adaptations in older persons: skeletal muscle and endocrine responses. *Age*, **2010**, 32, 125-38		15
31	Influence of exercise intensity in older persons with unchanged habitual nutritional intake: skeletal muscle and endocrine adaptations. *Age*, **2010**, 32, 139-53		35
30	C2 and C2C12 murine skeletal myoblast models of atrophic and hypertrophic potential: relevance to disease and ageing?. *Journal of Cellular Physiology*, **2010**, 225, 240-50	7	48
29	Hertfordshire sarcopenia study: design and methods. *BMC Geriatrics*, **2010**, 10, 43	4.1	34
28	Last Word on Point:Counterpoint: IGF is the major physiological regulator of muscle mass. *Journal of Applied Physiology*, **2010**, 108, 1832-1832	3.7	
27	The training stimulus experienced by the leg muscles during cycling in humans. *Experimental Physiology*, **2009**, 94, 684-94	2.4	27
26	Ca2+/calmodulin-dependent transcriptional pathways: potential mediators of skeletal muscle growth and development. *Biological Reviews*, **2009**, 84, 637-52	13.5	45
25	Powerful signals for weak muscles. *Ageing Research Reviews*, **2009**, 8, 251-67	12	78
24	PD98059 enhances C2 myoblast differentiation through p38 MAPK activation: a novel role for PD98059. *Journal of Endocrinology*, **2008**, 198, 243-52	4.7	21
23	Beneficial synergistic interactions of TNF-alpha and IL-6 in C2 skeletal myoblasts--potential cross-talk with IGF system. *Growth Factors*, **2008**, 26, 61-73	1.6	38
22	Pro- and anti-apoptotic roles for IGF-I in TNF-alpha-induced apoptosis: a MAP kinase mediated mechanism. *Growth Factors*, **2008**, 26, 239-53	1.6	32
21	Depot-specific effects of fatty acids on lipid accumulation in children's adipocytes. *Biochemical and Biophysical Research Communications*, **2007**, 361, 356-61	3.4	12

20	Adult stem cells: the therapeutic potential of skeletal muscle. *Current Stem Cell Research and Therapy*, **2006**, 1, 157-71	3.6	4
19	Site-specific differences of insulin action in adipose tissue derived from normal prepubertal children. *Experimental Cell Research*, **2005**, 308, 469-78	4.2	4
18	Isolation and validation of human prepubertal skeletal muscle cells: maturation and metabolic effects of IGF-I, IGFBP-3 and TNFalpha. *Journal of Physiology*, **2005**, 568, 229-42	3.9	20
17	Characterization of differentiated subcutaneous and visceral adipose tissue from children: the influences of TNF-alpha and IGF-I. *Journal of Lipid Research*, **2005**, 46, 93-103	6.3	52
16	Adaptations of the IGF system during malignancy: human skeletal muscle versus the systemic environment. *Hormone and Metabolic Research*, **2003**, 35, 667-74	3.1	10
15	Insulin-like growth factors (IGF-I and IGF-II) inhibit C2 skeletal myoblast differentiation and enhance TNF alpha-induced apoptosis. *Journal of Cellular Physiology*, **2001**, 189, 207-15	7	50
14	Tumor necrosis factor-alpha-induced apoptosis is associated with suppression of insulin-like growth factor binding protein-5 secretion in differentiating murine skeletal myoblasts. *Journal of Cellular Physiology*, **2000**, 183, 330-7	7	85
13	Effective formation of major histocompatibility complex class II-peptide complexes from endogenous antigen by thyroid epithelial cells. *Immunology*, **2000**, 99, 367-74	7.8	8
12	Dual control of muscle cell survival by distinct growth factor-regulated signaling pathways. *Molecular and Cellular Biology*, **2000**, 20, 3256-65	4.8	66
11	Characterisation of the IGF system in a primary adult human skeletal muscle cell model, and comparison of the effects of insulin and IGF-I on protein metabolism. *Journal of Endocrinology*, **2000**, 167, 403-15	4.7	42
10	Overview of insulin-like growth factor physiology. *Growth Hormone and IGF Research*, **2000**, 10 Suppl A, S8-9	2	12
9	Increased, not decreased activation of the insulin-like growth factor (IGF) receptor signalling pathway during ceramide-induced apoptosis. *Growth Hormone and IGF Research*, **1999**, 9, 131-42	2	17
8	Increased tyrosine kinase activity but not calcium mobilization is required for ceramide-induced apoptosis. *Experimental Cell Research*, **1999**, 250, 329-38	4.2	12
7	Growth, differentiation, and survival: multiple physiological functions for insulin-like growth factors. *Physiological Reviews*, **1996**, 76, 1005-26	47.9	626
6	Insulin-like growth factor-II is an autocrine survival factor for differentiating myoblasts. *Journal of Biological Chemistry*, **1996**, 271, 11330-8	5.4	156
5	Overexpression of insulin-like growth factor-II induces accelerated myoblast differentiation. *Journal of Cellular Physiology*, **1996**, 169, 23-32	7	71
4	Insulin-like growth factor binding protein-5 modulates muscle differentiation through an insulin-like growth factor-dependent mechanism. *Journal of Cell Biology*, **1996**, 133, 683-93	7.3	94
3	Loss of the imprinted IGF2/cation-independent mannose 6-phosphate receptor results in fetal overgrowth and perinatal lethality. *Genes and Development*, **1994**, 8, 2953-63	12.6	438

2	Potentiation of insulin-like growth factor-I (IGF-I) activity by an antibody: supportive evidence for enhancement of IGF-I bioavailability in vivo by IGF binding proteins. *Endocrinology*, **1993**, 133, 1462-5	4.8	36
1	Knockdown of the E3 Ubiquitin ligase UBR5 and its role in skeletal muscle anabolism		2