Gianni Parise

List of Publications by Year
in descending order

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Version: 2024-02-01

111	6,133	53794	71685
papers	citations	45 h-index	76 g-index

123	123	123	6334
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Low-Load High Volume Resistance Exercise Stimulates Muscle Protein Synthesis More Than High-Load Low Volume Resistance Exercise in Young Men. PLoS ONE, 2010, 5, e12033.	2.5	396
2	Satellite cells in human skeletal muscle plasticity. Frontiers in Physiology, 2015, 6, 283.	2.8	236
3	Resistance trainingâ€induced changes in integrated myofibrillar protein synthesis are related to hypertrophy only after attenuation of muscle damage. Journal of Physiology, 2016, 594, 5209-5222.	2.9	236
4	Beneficial effects of creatine, CoQ10, and lipoic acid in mitochondrial disorders. Muscle and Nerve, 2007, 35, 235-242.	2.2	235
5	Resistance exerciseâ€induced increases in putative anabolic hormones do not enhance muscle protein synthesis or intracellular signalling in young men. Journal of Physiology, 2009, 587, 5239-5247.	2.9	229
6	Real-time RT-PCR analysis of housekeeping genes in human skeletal muscle following acute exercise. Physiological Genomics, 2004, 18, 226-231.	2.3	183
7	Acute Post-Exercise Myofibrillar Protein Synthesis Is Not Correlated with Resistance Training-Induced Muscle Hypertrophy in Young Men. PLoS ONE, 2014, 9, e89431.	2.5	167
8	Resistance exercise training decreases oxidative damage to DNA and increases cytochrome oxidase activity in older adults. Experimental Gerontology, 2005, 40, 173-180.	2.8	164
9	Effect of Creatine and Weight Training on Muscle Creatine and Performance in Vegetarians. Medicine and Science in Sports and Exercise, 2003, 35, 1946-1955.	0.4	156
10	Effects of an omnivorous diet compared with a lactoovovegetarian diet on resistance-training-induced changes in body composition and skeletal muscle in older men. American Journal of Clinical Nutrition, 1999, 70, 1032-1039.	4.7	153
11	Antioxidant enzyme activity is up-regulated after unilateral resistance exercise training in older adults. Free Radical Biology and Medicine, 2005, 39, 289-295.	2.9	145
12	Coâ€expression of IGFâ€1 family members with myogenic regulatory factors following acute damaging muscleâ€lengthening contractions in humans. Journal of Physiology, 2008, 586, 5549-5560.	2.9	145
13	Myostatin is associated with ageâ€related human muscle stem cell dysfunction. FASEB Journal, 2012, 26, 2509-2521.	0.5	139
14	Muscular and Systemic Correlates of Resistance Training-Induced Muscle Hypertrophy. PLoS ONE, 2013, 8, e78636.	2.5	134
15	IL-6 Induced STAT3 Signalling Is Associated with the Proliferation of Human Muscle Satellite Cells Following Acute Muscle Damage. PLoS ONE, 2011, 6, e17392.	2.5	128
16	Association of Interleukin-6 Signalling with the Muscle Stem Cell Response Following Muscle-Lengthening Contractions in Humans. PLoS ONE, 2009, 4, e6027.	2.5	120
17	The Acute Satellite Cell Response and Skeletal Muscle Hypertrophy following Resistance Training. PLoS ONE, 2014, 9, e109739.	2.5	115
18	Muscle fibre capillarization is a critical factor in muscle fibre hypertrophy during resistance exercise training in older men. Journal of Cachexia, Sarcopenia and Muscle, 2017, 8, 267-276.	7.3	114

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19	Wnt7a treatment ameliorates muscular dystrophy. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 20614-20619.	7.1	105
20	Fibre-Specific Responses to Endurance and Low Volume High Intensity Interval Training: Striking Similarities in Acute and Chronic Adaptation. PLoS ONE, 2014, 9, e98119.	2.5	101
21	Skeletal muscle satellite cells are located at a closer proximity to capillaries in healthy young compared with older men. Journal of Cachexia, Sarcopenia and Muscle, 2016, 7, 547-554.	7.3	91
22	Hepatocyte growth factor (HGF) and the satellite cell response following muscle lengthening contractions in humans. Muscle and Nerve, 2008, 38, 1434-1442.	2.2	87
23	The skeletal muscle satellite cell response to a single bout of resistance-type exercise is delayed with aging in men. Age, 2014, 36, 9699.	3.0	87
24	Day-to-Day Changes in Muscle Protein Synthesis in Recovery From Resistance, Aerobic, and High-Intensity Interval Exercise in Older Men. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2015, 70, 1024-1029.	3.6	87
25	A whey protein-based multi-ingredient nutritional supplement stimulates gains in lean body mass and strength in healthy older men: A randomized controlled trial. PLoS ONE, 2017, 12, e0181387.	2.5	87
26	Skeletal Muscle Regeneration, Repair and Remodelling in Aging: The Importance of Muscle Stem Cells and Vascularization. Gerontology, 2017, 63, 91-100.	2.8	82
27	Eccentric Exercise Increases Satellite Cell Content in Type II Muscle Fibers. Medicine and Science in Sports and Exercise, 2013, 45, 230-237.	0.4	76
28	Satellite cell number and cell cycle kinetics in response to acute myotrauma in humans: immunohistochemistryversusflow cytometry. Journal of Physiology, 2010, 588, 3307-3320.	2.9	73
29	Evidence for the contribution of muscle stem cells to nonhypertrophic skeletal muscle remodeling in humans. FASEB Journal, 2013, 27, 4596-4605.	0.5	69
30	Elevated SOCS3 and altered IL-6 signaling is associated with age-related human muscle stem cell dysfunction. American Journal of Physiology - Cell Physiology, 2013, 304, C717-C728.	4.6	69
31	Poly(A) tail length regulates PABPC1 expression to tune translation in the heart. ELife, 2017, 6, .	6.0	65
32	Creatine-dextrose and protein-dextrose induce similar strength gains during training. Medicine and Science in Sports and Exercise, 2001, 33, 2044-2052.	0.4	60
33	The unfolded protein response is triggered following a single, unaccustomed resistance-exercise bout. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2014, 307, R664-R669.	1.8	57
34	Compromised genomic integrity impedes muscle growth after Atrx inactivation. Journal of Clinical Investigation, 2012, 122, 4412-4423.	8.2	57
35	Myoadenylate deaminase deficiency does not affect muscle anaplerosis during exhaustive exercise in humans. Journal of Physiology, 2001, 533, 881-889.	2.9	56
36	Endurance exercise training promotes medullary hematopoiesis. FASEB Journal, 2011, 25, 4348-4357.	0.5	56

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37	Exercise conditioning in old mice improves skeletal muscle regeneration. FASEB Journal, 2016, 30, 3256-3268.	0.5	56
38	Selective serotonin reuptake inhibitors: Their effect on high-intensity exercise performance. Archives of Physical Medicine and Rehabilitation, 2001, 82, 867-871.	0.9	52
39	The concept of skeletal muscle memory: Evidence from animal and human studies. Acta Physiologica, 2020, 229, e13465.	3.8	52
40	A single bout of exercise activates skeletal muscle satellite cells during subsequent overnight recovery. Experimental Physiology, 2012, 97, 762-773.	2.0	51
41	The influence of capillarization on satellite cell pool expansion and activation following exerciseâ€induced muscle damage in healthy young men. Journal of Physiology, 2018, 596, 1063-1078.	2.9	50
42	A randomized controlled trial of the impact of protein supplementation on leg lean mass and integrated muscle protein synthesis during inactivity and energy restriction in older persons. American Journal of Clinical Nutrition, 2018, 108, 1060-1068.	4.7	50
43	Satellite cell activity, without expansion, after nonhypertrophic stimuli. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2015, 309, R1101-R1111.	1.8	49
44	Role of muscle stem cells in sarcopenia. Current Opinion in Clinical Nutrition and Metabolic Care, 2017, 20, 186-190.	2.5	45
45	Altered muscle satellite cell activation following 16 wk of resistance training in young men. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2017, 312, R85-R92.	1.8	45
46	Prolonged exercise training improves the acute type II muscle fibre satellite cell response in healthy older men. Journal of Physiology, 2019, 597, 105-119.	2.9	45
47	Muscle satellite cell and atypical myogenic progenitor response following exercise. Muscle and Nerve, 2008, 37, 611-619.	2.2	44
48	Characterization of the effects of exercise training on hematopoietic stem cell quantity and function. Journal of Applied Physiology, 2012, 113, 1576-1584.	2.5	42
49	Early- and later-phases satellite cell responses and myonuclear content with resistance training in young men. PLoS ONE, 2018, 13, e0191039.	2.5	42
50	Regulation of Muscle Satellite Cell Activation and Chemotaxis by Angiotensin II. PLoS ONE, 2010, 5, e15212.	2.5	40
51	Title is missing!. Molecular and Cellular Biochemistry, 2003, 244, 159-166.	3.1	39
52	The effect of exercise mode on the acute response of satellite cells in old men. Acta Physiologica, 2015, 215, 177-190.	3.8	39
53	Skeletal muscle myoblasts possess a stretch-responsive local angiotensin signalling system. JRAAS - Journal of the Renin-Angiotensin-Aldosterone System, 2011, 12, 75-84.	1.7	38
54	Exercise promotes bone marrow cell survival and recipient reconstitution post-bone marrow transplantation, which is associated with increased survival. Experimental Hematology, 2013, 41, 143-154.	0.4	37

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55	Exercise training impacts skeletal muscle gene expression related to the kynurenine pathway. American Journal of Physiology - Cell Physiology, 2019, 316, C444-C448.	4.6	37
56	Exercise training enhances the skeletal muscle response to radiationâ€induced oxidative stress. Muscle and Nerve, 2011, 43, 58-64.	2.2	36
57	Effects of age and unaccustomed resistance exercise on mitochondrial transcript and protein abundance in skeletal muscle of men. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2015, 308, R734-R741.	1.8	36
58	Xin Is a Marker of Skeletal Muscle Damage Severity in Myopathies. American Journal of Pathology, 2013, 183, 1703-1709.	3.8	35
59	Lowâ€load resistance exercise during inactivity is associated with greater fibre area and satellite cell expression in older skeletal muscle. Journal of Cachexia, Sarcopenia and Muscle, 2018, 9, 747-754.	7.3	35
60	Effect of Î±-Lipoic Acid Combined with Creatine Monohydrate on Human Skeletal Muscle Creatine and Phosphagen Concentration. International Journal of Sport Nutrition and Exercise Metabolism, 2003, 13, 294-302.	2.1	34
61	Skeletal muscle fiber-type-specific changes in markers of capillary and mitochondrial content after low-volume interval training in overweight women. Physiological Reports, 2018, 6, e13597.	1.7	28
62	The Impact of Aerobic Exercise on the Muscle Stem Cell Response. Exercise and Sport Sciences Reviews, 2018, 46, 180-187.	3.0	25
63	Acute Dietary Protein Intake Restriction Is Associated with Changes in Myostatin Expression after a Single Bout of Resistance Exercise in Healthy Young Men. Journal of Nutrition, 2014, 144, 137-145.	2.9	24
64	A Moderate Dose of Pseudoephedrine Does Not Alter Muscle Contraction Strength or Anaerobic Power. Clinical Journal of Sport Medicine, 2002, 12, 387-390.	1.8	23
65	Muscle Stem Cells and Regenerative Myogenesis. Current Topics in Developmental Biology, 2005, 71, 113-130.	2.2	23
66	Superior Aerobic Capacity and Indices of Skeletal Muscle Morphology in Chronically Trained Master Endurance Athletes Compared With Untrained Older Adults. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2020, 75, 1079-1088.	3.6	22
67	Variability in skeletal muscle fibre characteristics during repeated muscle biopsy sampling in human vastus lateralis. Applied Physiology, Nutrition and Metabolism, 2020, 45, 368-375.	1.9	21
68	Molecular regulation of myogenic progenitor populations. Applied Physiology, Nutrition and Metabolism, 2006, 31, 773-781.	1.9	20
69	Exercise and Hematopoietic Stem and Progenitor Cells. Exercise and Sport Sciences Reviews, 2013, 41, 116-122.	3.0	20
70	Brain-derived neurotrophic factor is associated with human muscle satellite cell differentiation in response to muscle-damaging exercise. Applied Physiology, Nutrition and Metabolism, 2020, 45, 581-590.	1.9	19
71	IGF-1 colocalizes with muscle satellite cells following acute exercise in humans. Applied Physiology, Nutrition and Metabolism, 2014, 39, 514-518.	1.9	18
72	The Importance of Muscle Capillarization for Optimizing Satellite Cell Plasticity. Exercise and Sport Sciences Reviews, 2021, 49, 284-290.	3.0	17

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73	Mitochondrial Theory of Aging in Human Age-Related Sarcopenia. Interdisciplinary Topics in Gerontology, 2010, 37, 142-156.	3.6	16
74	Aerobic exercise in humans mobilizes HSCs in an intensity-dependent manner. Journal of Applied Physiology, 2017, 122, 182-190.	2.5	15
75	Ageâ€related changes to the satellite cell niche are associated with reduced activation following exercise. FASEB Journal, 2020, 34, 8975-8989.	0.5	15
76	A Multi-Ingredient Nutritional Supplement in Combination With Resistance Exercise and High-Intensity Interval Training Improves Cognitive Function and Increases N-3 Index in Healthy Older Men: A Randomized Controlled Trial. Frontiers in Aging Neuroscience, 2019, 11, 107.	3.4	14
77	Integrated Myofibrillar Protein Synthesis in Recovery From Unaccustomed and Accustomed Resistance Exercise With and Without Multi-ingredient Supplementation in Overweight Older Men. Frontiers in Nutrition, 2019, 6, 40.	3.7	14
78	Cytokine Mediated Control of Muscle Stem Cell Function. Advances in Experimental Medicine and Biology, 2016, 900, 27-44.	1.6	13
79	A multi-ingredient nutritional supplement enhances exercise training-related reductions in markers of systemic inflammation in healthy older men. Applied Physiology, Nutrition and Metabolism, 2018, 43, 299-302.	1.9	13
80	Ingestion of a Multi-Ingredient Supplement Does Not Alter Exercise-Induced Satellite Cell Responses in Older Men. Journal of Nutrition, 2018, 148, 891-899.	2.9	13
81	Consistent expression pattern of myogenic regulatory factors in whole muscle and isolated human muscle satellite cells after eccentric contractions in humans. Journal of Applied Physiology, 2019, 127, 1419-1426.	2.5	13
82	Myostatin inhibition for treatment of sarcopenia. Lancet Diabetes and Endocrinology,the, 2015, 3, 917-918.	11.4	12
83	Skeletal Muscle Erythropoietin Expression Is Responsive to Hypoxia and Exercise. Medicine and Science in Sports and Exercise, 2016, 48, 1294-1301.	0.4	11
84	Captopril treatment induces hyperplasia but inhibits myonuclear accretion following severe myotrauma in murine skeletal muscle. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2011, 301, R363-R369.	1.8	9
85	Sex-Based Differences in the Myogenic Response and Inflammatory Gene Expression Following Eccentric Contractions in Humans. Frontiers in Physiology, 2022, 13, 880625.	2.8	8
86	Blunted satellite cell response is associated with dysregulated IGF-1 expression after exercise with age. European Journal of Applied Physiology, 2018, 118, 2225-2231.	2.5	7
87	Capillary facilitation of skeletal muscle function in health and disease. Applied Physiology, Nutrition and Metabolism, 2020, 45, 453-462.	1.9	7
88	The impact of different diagnostic criteria on the association of sarcopenia with injurious falls in the CLSA. Journal of Cachexia, Sarcopenia and Muscle, 2020, 11, 1603-1613.	7.3	7
89	Reduced fat oxidation rates during submaximal exercise in boys with cystic fibrosis. Journal of Cystic Fibrosis, 2014, 13, 92-98.	0.7	6
90	Are satellite cells lost during short-term disuse-induced muscle fiber atrophy?. Journal of Applied Physiology, 2016, 120, 1490-1490.	2.5	5

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91	The Influence and Delivery of Cytokines and their Mediating Effect on Muscle Satellite Cells. Current Stem Cell Reports, 2017, 3, 192-201.	1.6	5
92	The effects of resting and exercise serum from children with cystic fibrosis on C2C12 myoblast proliferation in vitro. Physiological Reports, 2014, 2, e12042.	1.7	4
93	Do Different Ascertainment Techniques Identify the Same Individuals as Sarcopenic in the Canadian Longitudinal Study on Aging?. Journal of the American Geriatrics Society, 2021, 69, 164-172.	2.6	4
94	The Effect of a Multi-ingredient Supplement on Resistance Trainingâ€“induced Adaptations. Medicine and Science in Sports and Exercise, 2021, 53, 1699-1707.	0.4	3
95	Examining the first-person perspective as appropriate prelaboratory preparation. American Journal of Physiology - Advances in Physiology Education, 2019, 43, 317-323.	1.6	2
96	Hematopoietic Stem and Progenitor Cell (HSPC) Mobilization Responses to Different Exercise Intensities in Young and Older Adults. Journal of Science in Sport and Exercise, 2020, 2, 47-58.	1.0	2
97	Exercise training differentially alters axial and appendicular marrow cellularity in old mice. Applied Physiology, Nutrition and Metabolism, 2018, 43, 523-527.	1.9	1
98	Hepatocyte Growth Factor Signaling in Mediating Human Muscle Satellite Cell Activation and Proliferation Following Eccentric Exercise. FASEB Journal, 2008, 22, 962.23.	0.5	0
99	Gene expression profiling of the RAS in myoblasts following differentiation and mechanical stretch. FASEB Journal, 2008, 22, 1197.8.	0.5	0
100	Adaptive Response with Oxidative Stress from CT Scans and Exercise in Mice. FASEB Journal, 2008, 22, 758.8.	0.5	0
101	Progressive exercise training protects bone marrow stem cells from radiationâ€induced damage. FASEB Journal, 2008, 22, 758.7.	0.5	0
102	Exercise training and low dose radiation protect skeletal muscle from high dose radiation. FASEB Journal, 2009, 23, 600.6.	0.5	0
103	Angiotensin II is Necessary for Skeletal Muscle Regeneration Following Cardiotoxinâ€induced Injury. FASEB Journal, 2009, 23, 601.6.	0.5	0
104	Interleukinâ€6 Signaling Mediates Human Muscle Satellite Cell Proliferation Following Acute Muscle Damage. FASEB Journal, 2009, 23, 601.7.	0.5	0
105	Interleukinâ€4 is a Potential Regulator of Satellite Cell Function in Response to Acute Myotrauma in Humans. FASEB Journal, 2009, 23, 601.14.	0.5	0
106	Angiotensin II signalling regulates skeletal muscle growth and myoblast chemotaxis. FASEB Journal, 2010, 24, 824.4.	0.5	0
107	FACS Analysis and Immunohistochemical Analysis of Human Myogenic Stem Cell Number and Cellâ€cycle Kinetics in Response to Acute Myotrauma. FASEB Journal, 2010, 24, 824.7.	0.5	0
108	Satellite Cell Specific pâ€STAT3 Signalling in Human Muscle Following Acute Muscle Damage. FASEB Journal, 2010, 24, lb31.	0.5	0

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109	Aging of Muscle Stem Cells. , 2015, , 195-226.		0
110	The First Characterization of a Novel Stem Cell Population and the Temporal Relationship with Satellite Cells in Human Skeletal Muscle. FASEB Journal, 2018, 32, 615.2.	0.5	0
111	The Metabolomic Pathways of the Senescenceâ€Associated Secretory Phenotype in C2C12 Myoblasts. FASEB Journal, 2022, 36, .	0.5	0