

Maria Antonietta Pellegrino

List of Publications by Year in Descending Order

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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.

55
papers

5,032
citations

37
h-index

59
g-index

59
ext. papers

5,525
ext. citations

5.7
avg, IF

4.84
L-index

#	Paper	IF	Citations
55	Acute and chronic tirasemtiv treatment improves in vivo and in vitro muscle performance in actin-based nemaline myopathy mice. <i>Human Molecular Genetics</i> , 2021 , 30, 1305-1320	5.6	4
54	Voluntary physical activity counteracts Chronic Heart Failure progression affecting both cardiac function and skeletal muscle in the transgenic Tg α 44 mouse model. <i>Physiological Reports</i> , 2019 , 7, e14161	2.6	5
53	Structure and function of human muscle fibres and muscle proteome in physically active older men. <i>Journal of Physiology</i> , 2017 , 595, 4823-4844	3.9	38
52	Exercise training in Tg α 44 mice during the progression of chronic heart failure: cardiac vs. peripheral (soleus muscle) impairments to oxidative metabolism. <i>Journal of Applied Physiology</i> , 2017 , 123, 326-336	3.7	9
51	Diaphragm Atrophy and Weakness in the Absence of Mitochondrial Dysfunction in the Critically Ill. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017 , 196, 1544-1558	10.2	36
50	Myosin content of single muscle fibers following short-term disuse and active recovery in young and old healthy men. <i>Experimental Gerontology</i> , 2017 , 87, 100-107	4.5	13
49	FoxO-dependent atrogenes vary among catabolic conditions and play a key role in muscle atrophy induced by hindlimb suspension. <i>Journal of Physiology</i> , 2017 , 595, 1143-1158	3.9	41
48	Quantitative and qualitative adaptations of muscle fibers to glucocorticoids. <i>Muscle and Nerve</i> , 2015 , 52, 631-9	3.4	19
47	Human skeletal muscle fibre contractile properties and proteomic profile: adaptations to 3 weeks of unilateral lower limb suspension and active recovery. <i>Journal of Physiology</i> , 2015 , 593, 5361-85	3.9	23
46	The role of alterations in mitochondrial dynamics and PGC-1 β over-expression in fast muscle atrophy following hindlimb unloading. <i>Journal of Physiology</i> , 2015 , 593, 1981-95	3.9	108
45	PGC1- β over-expression prevents metabolic alterations and soleus muscle atrophy in hindlimb unloaded mice. <i>Journal of Physiology</i> , 2014 , 592, 4575-89	3.9	136
44	The time course of the adaptations of human muscle proteome to bed rest and the underlying mechanisms. <i>Journal of Physiology</i> , 2012 , 590, 5211-30	3.9	115
43	Redox homeostasis, oxidative stress and disuse muscle atrophy. <i>Journal of Physiology</i> , 2011 , 589, 2147-69	3.9	91
42	Statin or fibrate chronic treatment modifies the proteomic profile of rat skeletal muscle. <i>Biochemical Pharmacology</i> , 2011 , 81, 1054-64	6	27
41	Neuromuscular electrical stimulation training induces atypical adaptations of the human skeletal muscle phenotype: a functional and proteomic analysis. <i>Journal of Applied Physiology</i> , 2011 , 110, 433-50	3.7	99
40	Skeletal muscle fibre diversity and the underlying mechanisms. <i>Acta Physiologica</i> , 2010 , 199, 465-76	5.6	49
39	Single muscle fiber properties in aging and disuse. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2010 , 20, 10-9	4.6	44

38	Myosin and actin content of human skeletal muscle fibers following 35 days bed rest. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2010 , 20, 65-73	4.6	54
37	Is oxidative stress a cause or consequence of disuse muscle atrophy in mice? A proteomic approach in hindlimb-unloaded mice. <i>Experimental Physiology</i> , 2010 , 95, 331-50	2.4	64
36	Antioxidant treatment of hindlimb-unloaded mouse counteracts fiber type transition but not atrophy of disused muscles. <i>Pharmacological Research</i> , 2010 , 61, 553-63	10.2	58
35	Amino acid supplementation counteracts metabolic and functional damage in the diabetic rat heart. <i>American Journal of Cardiology</i> , 2008 , 101, 49E-56E	3	18
34	Amino acid supplements improve native antioxidant enzyme expression in the skeletal muscle of diabetic mice. <i>American Journal of Cardiology</i> , 2008 , 101, 57E-62E	3	10
33	Deterioration of contractile properties of muscle fibres in elderly subjects is modulated by the level of physical activity. <i>European Journal of Applied Physiology</i> , 2007 , 100, 603-11	3.4	76
32	The human muscle proteome in aging. <i>Journal of Proteome Research</i> , 2006 , 5, 1344-53	5.6	126
31	What limits the velocity of fast-skeletal muscle contraction in mammals?. <i>Journal of Molecular Biology</i> , 2006 , 355, 432-42	6.5	91
30	Neuromuscular adaptations to electrostimulation resistance training. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2006 , 85, 167-75	2.6	60
29	Facioscapulohumeral muscular dystrophy in mice overexpressing FRG1. <i>Nature</i> , 2006 , 439, 973-7	50.4	185
28	Skeletal muscle hypertrophy and structure and function of skeletal muscle fibres in male body builders. <i>Journal of Physiology</i> , 2006 , 570, 611-27	3.9	115
27	Effects of resistance training on myosin function studied by the in vitro motility assay in young and older men. <i>Journal of Applied Physiology</i> , 2005 , 98, 2390-5	3.7	45
26	Effects of voluntary wheel running and amino acid supplementation on skeletal muscle of mice. <i>European Journal of Applied Physiology</i> , 2005 , 93, 655-64	3.4	42
25	Fast fibres in a large animal: fibre types, contractile properties and myosin expression in pig skeletal muscles. <i>Journal of Experimental Biology</i> , 2004 , 207, 1875-86	3	72
24	Clenbuterol antagonizes glucocorticoid-induced atrophy and fibre type transformation in mice. <i>Experimental Physiology</i> , 2004 , 89, 89-100	2.4	38
23	The mechanism of the force response to stretch in human skinned muscle fibres with different myosin isoforms. <i>Journal of Physiology</i> , 2004 , 554, 335-52	3.9	60
22	Human circulating AC133(+) stem cells restore dystrophin expression and ameliorate function in dystrophic skeletal muscle. <i>Journal of Clinical Investigation</i> , 2004 , 114, 182-95	15.9	271
21	Orthologous myosin isoforms and scaling of shortening velocity with body size in mouse, rat, rabbit and human muscles. <i>Journal of Physiology</i> , 2003 , 546, 677-89	3.9	157

20	Contractile effects of the exchange of cardiac troponin for fast skeletal troponin in rabbit psoas single myofibrils. <i>Journal of Physiology</i> , 2003 , 552, 917-31	3.9	37
19	Cell therapy of alpha-sarcoglycan null dystrophic mice through intra-arterial delivery of mesoangioblasts. <i>Science</i> , 2003 , 301, 487-92	33.3	542
18	The effect of ageing and immobilization on structure and function of human skeletal muscle fibres. <i>Journal of Physiology</i> , 2003 , 552, 499-511	3.9	339
17	"Oxidative stress": effects of mild endurance training and testosterone treatment on rat gastrocnemius muscle. <i>European Journal of Applied Physiology</i> , 2002 , 87, 550-5	3.4	35
16	Contractile properties and myosin heavy chain isoform composition in single fibre of human laryngeal muscles. <i>Journal of Muscle Research and Cell Motility</i> , 2002 , 23, 187-95	3.5	35
15	Differing ADP release rates from myosin heavy chain isoforms define the shortening velocity of skeletal muscle fibers. <i>Journal of Biological Chemistry</i> , 2001 , 276, 45902-8	5.4	75
14	Effects of the beta(2)-agonist clenbuterol on respiratory and limb muscles of weaning rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2001 , 280, R862-9	3.2	21
13	Functional diversity between orthologous myosins with minimal sequence diversity. <i>Journal of Muscle Research and Cell Motility</i> , 2000 , 21, 375-82	3.5	33
12	ATP consumption and efficiency of human single muscle fibers with different myosin isoform composition. <i>Biophysical Journal</i> , 2000 , 79, 945-61	2.9	256
11	Profound misregulation of muscle-specific gene expression in facioscapulohumeral muscular dystrophy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999 , 96, 12650-4	11.5	29
10	Specific contributions of various muscle fibre types to human muscle performance: an in vitro study. <i>Journal of Electromyography and Kinesiology</i> , 1999 , 9, 87-95	2.5	129
9	Thyroid hormone regulation of MHC isoform composition and myofibrillar ATPase activity in rat skeletal muscles. <i>Archives of Physiology and Biochemistry</i> , 1998 , 106, 308-15	2.2	21
8	A mutant tropomyosin that causes hypertrophic cardiomyopathy is expressed in vivo and associated with an increased calcium sensitivity. <i>Circulation Research</i> , 1998 , 82, 106-15	15.7	135
7	Sprint training, in vitro and in vivo muscle function, and myosin heavy chain expression. <i>Journal of Applied Physiology</i> , 1998 , 84, 442-9	3.7	71
6	Contractile properties and fiber type distribution of quadriceps muscles in adults with childhood-onset growth hormone deficiency. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1997 , 82, 4133-8	5.6	38
5	Fibre types in skeletal muscles of chronic obstructive pulmonary disease patients related to respiratory function and exercise tolerance. <i>European Respiratory Journal</i> , 1997 , 10, 2853-60	13.6	96
4	Chemo-mechanical energy transduction in relation to myosin isoform composition in skeletal muscle fibres of the rat. <i>Journal of Physiology</i> , 1997 , 502 (Pt 2), 449-60	3.9	88
3	Whole-muscle and single-fibre contractile properties and myosin heavy chain isoforms in humans. <i>Pflügers Archiv European Journal of Physiology</i> , 1996 , 432, 913-20	4.6	248

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| 2 | Adaptations of masticatory muscles to a hyperpropulsive appliance in the rat. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 1996 , 110, 612-7 | 2.1 | 32 |
| 1 | Force-velocity properties of human skeletal muscle fibres: myosin heavy chain isoform and temperature dependence. <i>Journal of Physiology</i> , 1996 , 495 (Pt 2), 573-86 | 3.9 | 370 |