

Louise Deldicque

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.

115
papers

7,469
citations

34
h-index

86
g-index

118
ext. papers

9,711
ext. citations

3.9
avg. IF

5.62
L-index

#	Paper	IF	Citations
115	Fluid shear stress-induced mechanotransduction in myoblasts: Does it depend on the glycocalyx?. <i>Experimental Cell Research</i> , 2022 , 113204	4.2	0
114	Effects of an acute exercise bout in hypoxia on extracellular vesicle release in healthy and prediabetic subjects.. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021 ,	3.2	3
113	Regulation of satellite cells by exercise in hypoxic conditions: a narrative review. <i>European Journal of Applied Physiology</i> , 2021 , 121, 1531-1542	3.4	1
112	Effects of Saffron Extract on Sleep Quality: A Randomized Double-Blind Controlled Clinical Trial. <i>Nutrients</i> , 2021 , 13,	6.7	3
111	Higher strength gain after hypoxic vs normoxic resistance training despite no changes in muscle thickness and fractional protein synthetic rate. <i>FASEB Journal</i> , 2021 , 35, e21773	0.9	2
110	Effect of hypoxic exercise on glucose tolerance in healthy and prediabetic adults. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021 , 320, E43-E54	6	5
109	Is Physical Exercise in Hypoxia an Interesting Strategy to Prevent the Development of Type 2 Diabetes? A Narrative Review. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2021 , 14, 3603-3616	3.4	0
108	Endurance training alleviates MCP-1 and TERRA accumulation at old age in human skeletal muscle. <i>Experimental Gerontology</i> , 2021 , 153, 111510	4.5	1
107	Marked Increased Production of Acute Phase Reactants by Skeletal Muscle during Cancer Cachexia. <i>Cancers</i> , 2020 , 12,	6.6	2
106	Skeletal Muscle Signaling Following Whole-Body and Localized Heat Exposure in Humans. <i>Frontiers in Physiology</i> , 2020 , 11, 839	4.6	5
105	Myoferlin Is a Yet Unknown Interactor of the Mitochondrial DynamicsSMachinery in Pancreas Cancer Cells. <i>Cancers</i> , 2020 , 12,	6.6	2
104	Cardiotoxin-induced skeletal muscle injury elicits profound changes in anabolic and stress signaling, and muscle fiber type composition. <i>Journal of Muscle Research and Cell Motility</i> , 2020 , 41, 375-387	3.5	3
103	PHD1 controls muscle mTORC1 in a hydroxylation-independent manner by stabilizing leucyl tRNA synthetase. <i>Nature Communications</i> , 2020 , 11, 174	17.4	394
102	The Regulation of the Metastatic Cascade by Physical Activity: A Narrative Review. <i>Cancers</i> , 2020 , 12,	6.6	3
101	Does High Cardiorespiratory Fitness Confer Some Protection Against Proinflammatory Responses After Infection by SARS-CoV-2?. <i>Obesity</i> , 2020 , 28, 1378-1381	8	86
100	Effects of High-Intensity Interval Training in Hypoxia on Taekwondo Performance. <i>International Journal of Sports Physiology and Performance</i> , 2020 , 1-7	3.5	0
99	Effects of A High Intensity Interval Session on Mucosal Immune Function and Salivary Hormones in Male and Female Endurance Athletes. <i>Journal of Sports Science and Medicine</i> , 2020 , 19, 436-443	2.7	6

98	Iron supplementation limits the deleterious effects of repeated blood donation on endurance sport performance but not on iron status. <i>Blood Transfusion</i> , 2020 , 18, 334-347	3.6	1
97	Effects of a 30-week combined training program in normoxia and in hypoxia on exercise performance and health-related parameters in obese adolescents: a pilot study. <i>Journal of Sports Medicine and Physical Fitness</i> , 2020 , 60, 601-609	1.4	1
96	Anti-Inflammatory Effect of Exercise Mediated by Toll-Like Receptor Regulation in Innate Immune Cells - A Review. <i>International Reviews of Immunology</i> , 2020 , 39, 39-52	4.6	17
95	Impact of a Design-Based Bike Exergame on Young Adults' Physical Activity Metrics and Situational Interest. <i>Research Quarterly for Exercise and Sport</i> , 2020 , 91, 309-315	1.9	4
94	Acute environmental hypoxia potentiates satellite cell-dependent myogenesis in response to resistance exercise through the inflammation pathway in human. <i>FASEB Journal</i> , 2020 , 34, 1885-1900	0.9	12
93	No effect of the endurance training status on senescence despite reduced inflammation in skeletal muscle of older individuals. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020 , 319, E447-E454	6	4
92	Muscle structural, energetic and functional benefits of endurance exercise training in sickle cell disease. <i>American Journal of Hematology</i> , 2020 , 95, 1257-1268	7.1	4
91	Acute and Chronic Effects of High Frequency Electric Pulse Stimulation on the Akt/mTOR Pathway in Human Primary Myotubes. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 565679	5.8	3
90	Effects of Sprint Interval Training at Different Altitudes on Cycling Performance at Sea-Level. <i>Sports</i> , 2020 , 8,	3	1
89	Regular Endurance Exercise Promotes Fission, Mitophagy, and Oxidative Phosphorylation in Human Skeletal Muscle Independently of Age. <i>Frontiers in Physiology</i> , 2019 , 10, 1088	4.6	28
88	Activation of protein synthesis, regeneration, and MAPK signaling pathways following repeated bouts of eccentric cycling. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019 , 317, E1131-E1139	6	9
87	The stiffness response of type IIa fibres after eccentric exercise-induced muscle damage is dependent on ACTN3 r577X polymorphism. <i>European Journal of Sport Science</i> , 2019 , 19, 480-489	3.9	7
86	Exercise and the control of muscle mass in human. <i>Pflügers Archiv European Journal of Physiology</i> , 2019 , 471, 397-411	4.6	18
85	Using polyphenol derivatives to prevent muscle wasting. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2018 , 21, 159-163	3.8	9
84	Effects of Caffeine on Countermovement-Jump Performance Variables in Elite Male Volleyball Players. <i>International Journal of Sports Physiology and Performance</i> , 2018 , 13, 145-150	3.5	16
83	Repeated maximal-intensity hypoxic exercise superimposed to hypoxic residence boosts skeletal muscle transcriptional responses in elite team-sport athletes. <i>Acta Physiologica</i> , 2018 , 222, e12851	5.6	30
82	Environmental hypoxia favors myoblast differentiation and fast phenotype but blunts activation of protein synthesis after resistance exercise in human skeletal muscle. <i>FASEB Journal</i> , 2018 , 32, 5272-5284	0.9	16
81	Adaptations in muscle oxidative capacity, fiber size, and oxygen supply capacity after repeated-sprint training in hypoxia combined with chronic hypoxic exposure. <i>Journal of Applied Physiology</i> , 2018 , 124, 1403-1412	3.7	13

80	Changes in Cortisol and Immunoglobulin a Concentrations in Referees during a Professional Football Match. <i>Journal of Sports Science and Medicine</i> , 2018 , 17, 689-690	2.7	1
79	Physical Activity and Nutrition: Two Promising Strategies for Telomere Maintenance?. <i>Nutrients</i> , 2018 , 10,	6.7	22
78	Hypoxic Training Improves Normoxic Glucose Tolerance in Adolescents with Obesity. <i>Medicine and Science in Sports and Exercise</i> , 2018 , 50, 2200-2208	1.2	17
77	Impact of Very Early Physical Therapy During Septic Shock on Skeletal Muscle: A Randomized Controlled Trial. <i>Critical Care Medicine</i> , 2018 , 46, 1436-1443	1.4	45
76	Differences in salivary hormones and perception of exertion in elite women and men volleyball players during tournament. <i>Journal of Sports Medicine and Physical Fitness</i> , 2018 , 58, 1688-1694	1.4	4
75	Toll like receptor expression induced by exercise in obesity and metabolic syndrome: A systematic review. <i>Exercise Immunology Review</i> , 2018 , 24, 60-71	8.6	22
74	Human skeletal muscle wasting in hypoxia: a matter of hypoxic dose?. <i>Journal of Applied Physiology</i> , 2017 , 122, 406-408	3.7	22
73	Last Word on Viewpoint: Human skeletal muscle wasting in hypoxia: a matter of hypoxic dose?. <i>Journal of Applied Physiology</i> , 2017 , 122, 412-413	3.7	1
72	Urolithin B, a newly identified regulator of skeletal muscle mass. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2017 , 8, 583-597	10.3	31
71	Lack of Activation of Mitophagy during Endurance Exercise in Human. <i>Medicine and Science in Sports and Exercise</i> , 2017 , 49, 1552-1561	1.2	23
70	Activating transcription factor 3 regulates chemokine expression in contracting CC myotubes and in mouse skeletal muscle after eccentric exercise. <i>Biochemical and Biophysical Research Communications</i> , 2017 , 492, 249-254	3.4	9
69	The effect of a standard whole blood donation on oxygen uptake and exercise capacity: a systematic review and meta-analysis. <i>Transfusion</i> , 2017 , 57, 451-462	2.9	21
68	Activating transcription factor 3 attenuates chemokine and cytokine expression in mouse skeletal muscle after exercise and facilitates molecular adaptation to endurance training. <i>FASEB Journal</i> , 2017 , 31, 840-851	0.9	23
67	Hippo Pathway and Skeletal Muscle Mass Regulation in Mammals: A Controversial Relationship. <i>Frontiers in Physiology</i> , 2017 , 8, 190	4.6	21
66	Nuclear respiratory factor 1 and endurance exercise promote human telomere transcription. <i>Science Advances</i> , 2016 , 2, e1600031	14.3	58
65	Blunted angiogenesis and hypertrophy are associated with increased fatigue resistance and unchanged aerobic capacity in old overloaded mouse muscle. <i>Age</i> , 2016 , 38, 39		29
64	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
63	Androgen Deficiency Exacerbates High-Fat Diet-Induced Metabolic Alterations in Male Mice. <i>Endocrinology</i> , 2016 , 157, 648-65	4.8	50

62	Evidence for ACTN3 as a Speed Gene in Isolated Human Muscle Fibers. <i>PLoS ONE</i> , 2016 , 11, e0150594	3.7	19
61	Salivary Biomarker Responses to Two Final Matches in Women's Professional Football. <i>Journal of Sports Science and Medicine</i> , 2016 , 15, 365-71	2.7	14
60	Fifteen days of 3,200 m simulated hypoxia marginally regulates markers for protein synthesis and degradation in human skeletal muscle. <i>Hypoxia (Auckland, N Z)</i> , 2016 , 4, 1-14	2.1	10
59	Aging Reduces the Activation of the mTORC1 Pathway after Resistance Exercise and Protein Intake in Human Skeletal Muscle: Potential Role of REDD1 and Impaired Anabolic Sensitivity. <i>Nutrients</i> , 2016 , 8,	6.7	39
58	Nitrate Intake Promotes Shift in Muscle Fiber Type Composition during Sprint Interval Training in Hypoxia. <i>Frontiers in Physiology</i> , 2016 , 7, 233	4.6	23
57	Effect of Repeated Whole Blood Donations on Aerobic Capacity and Hemoglobin Mass in Moderately Trained Male Subjects: A Randomized Controlled Trial. <i>Sports Medicine - Open</i> , 2016 , 2, 43	6.1	13
56	Potential harmful effects of dietary supplements in sports medicine. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2016 , 19, 439-445	3.8	20
55	Acute systemic insulin intolerance does not alter the response of the Akt/GSK-3 pathway to environmental hypoxia in human skeletal muscle. <i>European Journal of Applied Physiology</i> , 2015 , 115, 1219-31	3.4	4
54	History-dependent force, angular velocity and muscular endurance in ACTN3 genotypes. <i>European Journal of Applied Physiology</i> , 2015 , 115, 1637-43	3.4	18
53	A genetic predisposition score associates with reduced aerobic capacity in response to acute normobaric hypoxia in lowlanders. <i>High Altitude Medicine and Biology</i> , 2015 , 16, 34-42	1.9	6
52	Recommendations for Healthy Nutrition in Female Endurance Runners: An Update. <i>Frontiers in Nutrition</i> , 2015 , 2, 17	6.2	14
51	Increased endoplasmic reticulum stress in mouse osteocytes with aging alters Cox-2 response to mechanical stimuli. <i>Calcified Tissue International</i> , 2015 , 96, 123-8	3.9	21
50	Activation of autophagy in human skeletal muscle is dependent on exercise intensity and AMPK activation. <i>FASEB Journal</i> , 2015 , 29, 3515-26	0.9	93
49	Plasma carnosine, but not muscle carnosine, attenuates high-fat diet-induced metabolic stress. <i>Applied Physiology, Nutrition and Metabolism</i> , 2015 , 40, 868-76	3	15
48	No effect of dietary nitrate supplementation on endurance training in hypoxia. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2015 , 25, 234-41	4.6	25
47	Pomegranate and green tea extracts protect against ER stress induced by a high-fat diet in skeletal muscle of mice. <i>European Journal of Nutrition</i> , 2015 , 54, 377-89	5.2	20
46	Muscle histidine-containing dipeptides are elevated by glucose intolerance in both rodents and men. <i>PLoS ONE</i> , 2015 , 10, e0121062	3.7	21
45	Aging related ER stress is not responsible for anabolic resistance in mouse skeletal muscle. <i>Biochemical and Biophysical Research Communications</i> , 2015 , 468, 702-7	3.4	19

44	Blunted hypertrophic response in old mouse muscle is associated with a lower satellite cell density and is not alleviated by resveratrol. <i>Experimental Gerontology</i> , 2015 , 62, 23-31	4.5	28
43	A satellite cell-specific knockout of the androgen receptor reveals myostatin as a direct androgen target in skeletal muscle. <i>FASEB Journal</i> , 2014 , 28, 2979-94	0.9	73
42	Regulation of ubiquitin-proteasome and autophagy pathways after acute LPS and epoxomicin administration in mice. <i>BMC Musculoskeletal Disorders</i> , 2014 , 15, 166	2.8	22
41	Activation of ER stress by hydrogen peroxide in C2C12 myotubes. <i>Biochemical and Biophysical Research Communications</i> , 2014 , 450, 459-63	3.4	32
40	Acute environmental hypoxia induces LC3 lipidation in a genotype-dependent manner. <i>FASEB Journal</i> , 2014 , 28, 1022-34	0.9	38
39	Biochemical artifacts in experiments involving repeated biopsies in the same muscle. <i>Physiological Reports</i> , 2014 , 2, e00286	2.6	46
38	Endurance training in mice increases the unfolded protein response induced by a high-fat diet. <i>Journal of Physiology and Biochemistry</i> , 2013 , 69, 215-25	5	29
37	Additive insulinogenic action of <i>Opuntia ficus-indica</i> cladode and fruit skin extract and leucine after exercise in healthy males. <i>Journal of the International Society of Sports Nutrition</i> , 2013 , 10, 45	4.5	22
36	Effect of acute environmental hypoxia on protein metabolism in human skeletal muscle. <i>Acta Physiologica</i> , 2013 , 208, 251-64	5.6	39
35	Endoplasmic reticulum stress in human skeletal muscle: any contribution to sarcopenia?. <i>Frontiers in Physiology</i> , 2013 , 4, 236	4.6	43
34	Sprint interval training in hypoxia stimulates glycolytic enzyme activity. <i>Medicine and Science in Sports and Exercise</i> , 2013 , 45, 2166-74	1.2	65
33	Contribution of nonesterified fatty acids to mitogen-activated protein kinase activation in human skeletal muscle during endurance exercise. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2013 , 23, 201-9	4.4	9
32	Toll-like receptor 4 knockout mice are protected against endoplasmic reticulum stress induced by a high-fat diet. <i>PLoS ONE</i> , 2013 , 8, e65061	3.7	72
31	Acute vs chronic hypoxia: what are the consequences for skeletal muscle mass? 2013 , 2,		15
30	Modulation of autophagy and ubiquitin-proteasome pathways during ultra-endurance running. <i>Journal of Applied Physiology</i> , 2012 , 112, 1529-37	3.7	106
29	TLR2 and TLR4 activation induces p38 MAPK-dependent phosphorylation of S6 kinase 1 in C2C12 myotubes. <i>Cell Biology International</i> , 2012 , 36, 1107-13	4.5	6
28	TLR2 and TLR4 activate p38 MAPK and JNK during endurance exercise in skeletal muscle. <i>Medicine and Science in Sports and Exercise</i> , 2012 , 44, 1463-72	1.2	34
27	Endoplasmic reticulum stress in skeletal muscle: origin and metabolic consequences. <i>Exercise and Sport Sciences Reviews</i> , 2012 , 40, 43-9	6.7	43

26	Role of alpha-actinin-3 in contractile properties of human single muscle fibers: a case series study in paraplegics. <i>PLoS ONE</i> , 2012 , 7, e49281	3.7	28
25	ER stress induces anabolic resistance in muscle cells through PKB-induced blockade of mTORC1. <i>PLoS ONE</i> , 2011 , 6, e20993	3.7	35
24	Endoplasmic reticulum stress markers and ubiquitin-proteasome pathway activity in response to a 200-km run. <i>Medicine and Science in Sports and Exercise</i> , 2011 , 43, 18-25	1.2	58
23	The unfolded protein response in human skeletal muscle is not involved in the onset of glucose tolerance impairment induced by a fat-rich diet. <i>European Journal of Applied Physiology</i> , 2011 , 111, 1553-84	3.4	27
22	Inulin-type fructans with prebiotic properties counteract GPR43 overexpression and PPAR-related adipogenesis in the white adipose tissue of high-fat diet-fed mice. <i>Journal of Nutritional Biochemistry</i> , 2011 , 22, 712-22	6.3	204
21	Prevention of muscle disuse atrophy by MG132 proteasome inhibitor. <i>Muscle and Nerve</i> , 2011 , 43, 708-16	1.4	34
20	High-fat diet overrules the effects of training on fiber-specific intramyocellular lipid utilization during exercise. <i>Journal of Applied Physiology</i> , 2011 , 111, 108-16	3.7	17
19	Hepatic n-3 polyunsaturated fatty acid depletion promotes steatosis and insulin resistance in mice: genomic analysis of cellular targets. <i>PLoS ONE</i> , 2011 , 6, e23365	3.7	61
18	Training in the fasted state improves glucose tolerance during fat-rich diet. <i>Journal of Physiology</i> , 2010 , 588, 4289-302	3.9	62
17	Changes in intestinal bifidobacteria levels are associated with the inflammatory response in magnesium-deficient mice. <i>Journal of Nutrition</i> , 2010 , 140, 509-14	4.1	62
16	The unfolded protein response is activated in skeletal muscle by high-fat feeding: potential role in the downregulation of protein synthesis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2010 , 299, E695-705	6	111
15	A novel bioreactor for stimulating skeletal muscle in vitro. <i>Tissue Engineering - Part C: Methods</i> , 2010 , 16, 711-8	2.9	84
14	Increased p70s6k phosphorylation during intake of a protein-carbohydrate drink following resistance exercise in the fasted state. <i>European Journal of Applied Physiology</i> , 2010 , 108, 791-800	3.4	24
13	Lack of effects of creatine on the regeneration of soleus muscle after injury in rats. <i>Medicine and Science in Sports and Exercise</i> , 2009 , 41, 1761-9	1.2	15
12	Effects of resistance exercise with and without creatine supplementation on gene expression and cell signaling in human skeletal muscle. <i>Journal of Applied Physiology</i> , 2008 , 104, 371-8	3.7	93
11	Functional food for exercise performance: fact or foe?. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2008 , 11, 774-81	3.8	12
10	Kinetics of creatine ingested as a food ingredient. <i>European Journal of Applied Physiology</i> , 2008 , 102, 133-43	3.4	32
9	Antagonistic effects of leucine and glutamine on the mTOR pathway in myogenic C2C12 cells. <i>Amino Acids</i> , 2008 , 35, 147-55	3.5	48

8	Decrease in Akt/PKB signalling in human skeletal muscle by resistance exercise. <i>European Journal of Applied Physiology</i> , 2008 , 104, 57-65	3.4	75
7	Hepatic steatosis in n-3 fatty acid depleted mice: focus on metabolic alterations related to tissue fatty acid composition. <i>BMC Physiology</i> , 2008 , 8, 21	0	39
6	Creatine enhances differentiation of myogenic C2C12 cells by activating both p38 and Akt/PKB pathways. <i>American Journal of Physiology - Cell Physiology</i> , 2007 , 293, C1263-71	5.4	71
5	Effets de la supplémentation en créatine sur la cinétique de régénérescence du muscle squelettique après lésion tendue. <i>Science and Sports</i> , 2005 , 20, 187-189	0.8	
4	Augmentation de l'ARNm d'IGF musculaire par la créatine. <i>Science and Sports</i> , 2005 , 20, 190-192	0.8	
3	Regulation of mTOR by amino acids and resistance exercise in skeletal muscle. <i>European Journal of Applied Physiology</i> , 2005 , 94, 1-10	3.4	80
2	Increased IGF mRNA in human skeletal muscle after creatine supplementation. <i>Medicine and Science in Sports and Exercise</i> , 2005 , 37, 731-6	1.2	88
1	Does Normobaric Hypoxic Resistance Training Confer Benefit over Normoxic Training in Athletes? A Narrative Review. <i>Journal of Science in Sport and Exercise</i> , 1	1	0