

Claudio L Lafortuna

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

1,082
citations

516215

16
h-index

414034

32
g-index

39
all docs

39
docs citations

39
times ranked

1721
citing authors

#	ARTICLE	IF	CITATIONS
1	Differences in quadriceps muscle strength and fatigue between lean and obese subjects. <i>European Journal of Applied Physiology</i> , 2007, 101, 51-59.	1.2	229
2	Relationship Between Basal Metabolic Rate, Gender, Age, and Body Composition in 8,780 White Obese Subjects. <i>Obesity</i> , 2010, 18, 71-78.	1.5	135
3	The energetic and cardiovascular response to treadmill walking and cycle ergometer exercise in obese women. <i>European Journal of Applied Physiology</i> , 2008, 103, 707-717.	1.2	89
4	Oronasal breathing during exercise. <i>Pflügers Archiv European Journal of Physiology</i> , 1978, 378, 65-69.	1.3	56
5	Automatic muscle and fat segmentation in the thigh from T_2 -Weighted MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 43, 601-610.	1.9	54
6	The energy cost of cycling in young obese women. <i>European Journal of Applied Physiology</i> , 2006, 97, 16-25.	1.2	51
7	Evaluation of the Tinetti score and fall risk assessment via accelerometry-based movement analysis. <i>Artificial Intelligence in Medicine</i> , 2019, 95, 38-47.	3.8	39
8	A Mobile Phone Intervention to Improve Obesity-Related Health Behaviors of Adolescents Across Europe: Iterative Co-Design and Feasibility Study. <i>JMIR MHealth and UHealth</i> , 2020, 8, e14118.	1.8	39
9	Role of poly-(ADP-ribose) synthetase in lipopolysaccharide-induced vascular failure and acute lung injury in pigs. <i>Journal of Critical Care</i> , 2000, 15, 73-83.	1.0	37
10	Skeletal Muscle Characteristics and Motor Performance After 2-Year Growth Hormone Treatment in Adults With Prader-Willi Syndrome. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, 1816-1824.	1.8	37
11	Prevalence of the metabolic syndrome among extremely obese adolescents in Italy and Germany. <i>Diabetes Research and Clinical Practice</i> , 2010, 88, 14-21.	1.1	33
12	Influence of body adiposity on structural characteristics of skeletal muscle in men and women. <i>Clinical Physiology and Functional Imaging</i> , 2014, 34, 47-55.	0.5	31
13	Matching optical flow to motor speed in virtual reality while running on a treadmill. <i>PLoS ONE</i> , 2018, 13, e0195781.	1.1	31
14	Factor analysis of metabolic syndrome components in obese women. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2008, 18, 233-241.	1.1	23
15	Respiratory mechanics in Standardbred horses with sub-clinical inflammatory airway disease and poor athletic performance. <i>Veterinary Journal</i> , 2007, 173, 144-150.	0.6	22
16	Locomotor behaviours and respiratory pattern of the Mediterranean fin whale (<i>Balaenoptera</i>) $T_j ETQq0 0 0 rgBT / Overlock 10 Tf 50 142$	1.2	20
17	A new instrument for the measurement of rib cage and abdomen circumference variation in respiration at rest and during exercise. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1995, 71, 259-265.	1.2	15
18	Prevalence of the Metabolic Syndrome and Its Components among Obese Men and Women in Italy. <i>Obesity Facts</i> , 2012, 5, 127-137.	1.6	15

#	ARTICLE	IF	CITATIONS
19	Promoting healthy teenage behaviour across three European countries through the use of a novel smartphone technology platform, PEGASO fit for future: study protocol of a quasi-experimental, controlled, multi-Centre trial. <i>BMC Medical Informatics and Decision Making</i> , 2019, 19, 278.	1.5	14
20	Body mass reduction markedly improves muscle performance and body composition in obese females aged 61-75 years: comparison between the effects exerted by energy-restricted diet plus moderate aerobic-strength training alone or associated with rGH or nandrolone undecanoate. <i>European Journal of Endocrinology</i> , 2004, 150, 511-515.	1.9	13
21	Development and validation of new predictive equation for resting energy expenditure in adults with overweight and obesity. <i>Clinical Nutrition</i> , 2018, 37, 2198-2205.	2.3	13
22	Effect of age, degree and distribution of adiposity on the prevalence of the metabolic syndrome in a cohort of obese Italian women. <i>Diabetes Research and Clinical Practice</i> , 2007, 78, 225-233.	1.1	11
23	The regulation of respiratory resistance in exercising horses. <i>European Journal of Applied Physiology</i> , 2003, 90, 396-404.	1.2	10
24	Regular physical activity modulates perceived visual speed when running in treadmill-mediated virtual environments. <i>PLoS ONE</i> , 2019, 14, e0219017.	1.1	10
25	Influence of the Size of the Field of View on Visual Perception While Running in a Treadmill-Mediated Virtual Environment. <i>Frontiers in Psychology</i> , 2019, 10, 2344.	1.1	9
26	Mechanics of Breathing in Horses at Rest and During Exercise. <i>Journal of Experimental Biology</i> , 1991, 155, 245-259.	0.8	9
27	Commentaries on Viewpoint: Can muscle size fully account for strength differences between children and adults?. <i>Journal of Applied Physiology</i> , 2011, 110, 1750-1753.	1.2	7
28	Muscle Strength and Power, Maximum Oxygen Consumption, and Body Composition in Middle-Aged Short-stature Adults with Childhood-onset Growth Hormone Deficiency. <i>Archives of Medical Research</i> , 2008, 39, 78-83.	1.5	6
29	Automatic vs. clinical assessment of fall risk in older individuals: A proof of concept. , 2015, 2015, 6935-8.		6
30	Detection and Assessment of Behaviours Associated with the Risk of Obesity in Adolescents. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2017, , 253-258.	0.2	6
31	Clinical functional behavioural and epigenomic biomarkers of obesity. <i>Frontiers in Bioscience - Landmark</i> , 2017, 22, 1655-1681.	3.0	5
32	Variation of skeletal muscle ultrasound imaging intensity in horses after treadmill exercise: a proof of concept for glycogen content estimation. <i>BMC Veterinary Research</i> , 2021, 17, 121.	0.7	2
33	Physiological Bases of Physical Limitations During Exercise. , 2013, , 21-38.		2
34	Laryngeal Movements During the Respiratory Cycle Measured with an Endoscopic Imaging Technique in the Conscious Horse at Rest. , 1999, 84, 739.		2
35	No Evidence That Frontal Optical Flow Affects Perceived Locomotor Speed and Locomotor Biomechanics When Running on a Treadmill. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4589.	1.3	1
36	Reply-Letter to the Editorâ€“Superiority of new predictive equation for resting energy expenditure. <i>Clinical Nutrition</i> , 2018, 37, 1085-1086.	2.3	0

#	ARTICLE	IF	CITATIONS
37	Growth hormone responses to repeated bouts of aerobic exercise with different recovery intervals. Journal of Applied Physiology, 2006, 100, 1093-1094.	1.2	0