

Stefano Lazzer

List of Publications by Year in descending order

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Version: 2024-02-01

74
papers

1,769
citations

236612

25
h-index

301761

39
g-index

75
all docs

75
docs citations

75
times ranked

2197
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Greater loss in muscle mass and function but smaller metabolic alterations in older compared with younger men following 2 wk of bed rest and recovery. <i>Journal of Applied Physiology</i> , 2016, 120, 922-929. | 1.2 | 114 |
| 2 | Evaluation of two foot-to-foot bioelectrical impedance analysers to assess body composition in overweight and obese adolescents. <i>British Journal of Nutrition</i> , 2003, 90, 987-992. | 1.2 | 90 |
| 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 | Assessment of energy expenditure associated with physical activities in free-living obese and nonobese adolescents. <i>American Journal of Clinical Nutrition</i> , 2003, 78, 471-479. | 2.2 | 83 |
| 5 | Comparison of dual-energy X-ray absorptiometry, air displacement plethysmography and bioelectrical impedance analysis for the assessment of body composition in severely obese Caucasian children and adolescents. <i>British Journal of Nutrition</i> , 2008, 100, 918-924. | 1.2 | 81 |
| 6 | A Weight Reduction Program Preserves Fat-Free Mass but Not Metabolic Rate in Obese Adolescents. <i>Obesity</i> , 2004, 12, 233-240. | 4.0 | 69 |
| 7 | Skeletal muscle oxidative function in vivo and ex vivo in athletes with marked hypertrophy from resistance training. <i>Journal of Applied Physiology</i> , 2013, 114, 1527-1535. | 1.2 | 56 |
| 8 | Bilateral deficit and EMG activity during explosive lower limb contractions against different overloads. <i>European Journal of Applied Physiology</i> , 2010, 108, 157-165. | 1.2 | 51 |
| 9 | Gas exchange kinetics in obese adolescents. Inferences on exercise tolerance and prescription. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010, 299, R1298-R1305. | 0.9 | 51 |
| 10 | Tensiomyography detects early hallmarks of bed-rest-induced atrophy before changes in muscle architecture. <i>Journal of Applied Physiology</i> , 2019, 126, 815-822. | 1.2 | 48 |
| 11 | Energetics of Shuttle Runs: The Effects of Distance and Change of Direction. <i>International Journal of Sports Physiology and Performance</i> , 2014, 9, 1033-1039. | 1.1 | 46 |
| 12 | Peak power in obese and nonobese adolescents: effects of gender and braking force. <i>Medicine and Science in Sports and Exercise</i> , 2002, 34, 2072-2078. | 0.2 | 45 |
| 13 | Effects of an Uphill Marathon on Running Mechanics and Lower-Limb Muscle Fatigue. <i>International Journal of Sports Physiology and Performance</i> , 2016, 11, 522-529. | 1.1 | 45 |
| 14 | Deleterious effects of obesity on physical fitness in prepubertal children. <i>European Journal of Sport Science</i> , 2016, 16, 271-278. | 1.4 | 45 |
| 15 | Loss of maximal explosive power of lower limbs after 2 weeks of disuse and incomplete recovery after retraining in older adults. <i>Journal of Physiology</i> , 2018, 596, 647-665. | 1.3 | 43 |
| 16 | Effects of high-intensity interval training on physical capacities and substrate oxidation rate in obese adolescents. <i>Journal of Endocrinological Investigation</i> , 2017, 40, 217-226. | 1.8 | 41 |
| 17 | The energetics of ultra-endurance running. <i>European Journal of Applied Physiology</i> , 2012, 112, 1709-1715. | 1.2 | 40 |
| 18 | Development and cross-validation of prediction equations for estimating resting energy expenditure in severely obese Caucasian children and adolescents. <i>British Journal of Nutrition</i> , 2006, 96, 973-979. | 1.2 | 39 |

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|----|--|-----|-----------|
| 19 | Effects of strength, explosive and plyometric training on energy cost of running in ultra-endurance athletes. <i>European Journal of Sport Science</i> , 2017, 17, 805-813. | 1.4 | 37 |
| 20 | PlanHab[*]: hypoxia does not worsen the impairment of skeletal muscle oxidative function induced by bed rest alone. <i>Journal of Physiology</i> , 2018, 596, 3341-3355. | 1.3 | 36 |
| 21 | Optimizing fat oxidation through exercise in severely obese Caucasian adolescents. <i>Clinical Endocrinology</i> , 2007, 67, 070621212019005-??? | 1.2 | 35 |
| 22 | Functional impairment of skeletal muscle oxidative metabolism during knee extension exercise after bed rest. <i>Journal of Applied Physiology</i> , 2011, 111, 1719-1726. | 1.2 | 35 |
| 23 | Effects of the Etna Uphill Ultramarathon on Energy Cost and Mechanics of Running. <i>International Journal of Sports Physiology and Performance</i> , 2015, 10, 238-247. | 1.1 | 34 |
| 24 | Anabolic resistance assessed by oral stable isotope ingestion following bed rest in young and older adult volunteers: Relationships with changes in muscle mass. <i>Clinical Nutrition</i> , 2017, 36, 1420-1426. | 2.3 | 31 |
| 25 | Factors affecting energy cost of running during an ultra-endurance race. <i>Journal of Experimental Biology</i> , 2014, 217, 787-95. | 0.8 | 28 |
| 26 | Fat oxidation rate during and after a low- or high-intensity exercise in severely obese Caucasian adolescents. <i>European Journal of Applied Physiology</i> , 2010, 108, 383-391. | 1.2 | 25 |
| 27 | Effects of hydrogen rich water on prolonged intermittent exercise. <i>Journal of Sports Medicine and Physical Fitness</i> , 2018, 58, 612-621. | 0.4 | 25 |
| 28 | Relationship between body mass index and physical fitness in Italian prepubertal schoolchildren. <i>PLoS ONE</i> , 2020, 15, e0233362. | 1.1 | 25 |
| 29 | Energetics of Best Performances in Elite Kayakers and Canoeists. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 877-884. | 0.2 | 21 |
| 30 | Energetics and mechanics of running men: the influence of body mass. <i>European Journal of Applied Physiology</i> , 2012, 112, 4027-4033. | 1.2 | 21 |
| 31 | Maximal explosive muscle power in obese and non-obese prepubertal children. <i>Clinical Physiology and Functional Imaging</i> , 2009, 29, 224-228. | 0.5 | 18 |
| 32 | Changes in Running Mechanics During a 6-Hour Running Race. <i>International Journal of Sports Physiology and Performance</i> , 2017, 12, 642-647. | 1.1 | 18 |
| 33 | Changes in cardiac and muscle biomarkers following an uphill-only marathon. <i>Research in Sports Medicine</i> , 2018, 26, 100-111. | 0.7 | 18 |
| 34 | Short-Term Effects of Rolling Massage on Energy Cost of Running and Power of the Lower Limbs. <i>International Journal of Sports Physiology and Performance</i> , 2018, 13, 1337-1343. | 1.1 | 17 |
| 35 | Effects of 3-month high-intensity interval training vs. moderate endurance training and 4-month follow-up on fat metabolism, cardiorespiratory function and mitochondrial respiration in obese adults. <i>European Journal of Applied Physiology</i> , 2020, 120, 1787-1803. | 1.2 | 17 |
| 36 | Glucose Pulse: A simple method to estimate the amount of glucose oxidized during exercise in type 1 diabetic patients. <i>Diabetes Care</i> , 2005, 28, 2028-2030. | 4.3 | 16 |

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|----|---|-----|-----------|
| 37 | Running power: lab based <i>vs</i>. portable devices measurements and its relationship with aerobic power. <i>European Journal of Sport Science</i> , 2022, 22, 1555-1568. | 1.4 | 16 |
| 38 | Prevalence of the metabolic syndrome in Caucasian obese children and adolescents: Comparison between three different definition criteria. <i>Diabetes Research and Clinical Practice</i> , 2007, 77, 341-342. | 1.1 | 15 |
| 39 | Effectiveness of high-intensity interval training for weight loss in adults with obesity: a randomised controlled non-inferiority trial. <i>BMJ Open Sport and Exercise Medicine</i> , 2021, 7, e001021. | 1.4 | 15 |
| 40 | Maximal explosive power of the lower limbs before and after 35 days of bed rest under different diet energy intake. <i>European Journal of Applied Physiology</i> , 2015, 115, 429-436. | 1.2 | 14 |
| 41 | Physical fitness reference standards in Italian children. <i>European Journal of Pediatrics</i> , 2021, 180, 1789-1798. | 1.3 | 14 |
| 42 | Dietary Acid Load but Not Mediterranean Diet Adherence Score Is Associated With Metabolic and Cardiovascular Health State: A Population Observational Study From Northern Italy. <i>Frontiers in Nutrition</i> , 2022, 9, 828587. | 1.6 | 14 |
| 43 | Effects of 14 days of bed rest and following physical training on metabolic cost, mechanical work, and efficiency during walking in older and young healthy males. <i>PLoS ONE</i> , 2018, 13, e0194291. | 1.1 | 13 |
| 44 | Reliability of heart rate mobile apps in young healthy adults: exploratory study and research directions. <i>Journal of Innovation in Health Informatics</i> , 2017, 24, 224. | 0.9 | 11 |
| 45 | Computerized cognitive training and brain derived neurotrophic factor during bed rest: mechanisms to protect individual during acute stress. <i>Aging</i> , 2017, 9, 393-407. | 1.4 | 11 |
| 46 | Do poles save energy during steep uphill walking?. <i>European Journal of Applied Physiology</i> , 2019, 119, 1557-1563. | 1.2 | 11 |
| 47 | A 3-Week Multidisciplinary Body Weight Reduction Program Improves Body Composition and Lower Limb Power Output in 3,778 Severely Obese Children and Adolescents. <i>Frontiers in Physiology</i> , 2020, 11, 548. | 1.3 | 11 |
| 48 | Impairment of Skeletal Muscle Oxidative Metabolism During Knee-Extension Exercise after Bed Rest. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 513. | 0.2 | 10 |
| 49 | A new field test to estimate the aerobic and anaerobic thresholds and maximum parameters. <i>European Journal of Sport Science</i> , 2020, 20, 437-443. | 1.4 | 10 |
| 50 | Changes in Skeletal Muscle Oxidative Capacity After a Trail-Running Race. <i>International Journal of Sports Physiology and Performance</i> , 2020, 15, 278-284. | 1.1 | 8 |
| 51 | The energetics of cycling on Earth, Moon and Mars. <i>European Journal of Applied Physiology</i> , 2011, 111, 357-366. | 1.2 | 7 |
| 52 | Skeletal muscle oxygen uptake in obese patients: functional evaluation by knee-extension exercise. <i>European Journal of Applied Physiology</i> , 2013, 113, 2125-2132. | 1.2 | 7 |
| 53 | A 35-day bed rest does not alter the bilateral deficit of the lower limbs during explosive efforts. <i>European Journal of Applied Physiology</i> , 2015, 115, 1323-1330. | 1.2 | 6 |
| 54 | Human Powered Centrifuges on the Moon or Mars. <i>Microgravity Science and Technology</i> , 2009, 21, 209-215. | 0.7 | 5 |

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|----|---|-----|-----------|
| 55 | Muscle damage and inflammatory status biomarkers after a 3-stage trail running race. <i>Journal of Sports Medicine and Physical Fitness</i> , 2020, 60, 1486-1492. | 0.4 | 4 |
| 56 | Biological Response of Irisin Induced by Different Types of Exercise in Obese Subjects: A Non-Inferiority Controlled Randomized Study. <i>Biology</i> , 2022, 11, 392. | 1.3 | 4 |
| 57 | Energy cost of walking and body composition changes during a 9-month multidisciplinary weight reduction program and 4-month follow-up in adolescents with obesity. <i>Applied Physiology, Nutrition and Metabolism</i> , 2021, , . | 0.9 | 3 |
| 58 | A 3-year school-based intervention improved physical fitness and reduced the prevalence of overweight and obesity in Italian prepubertal children. <i>Journal of Sports Medicine and Physical Fitness</i> , 2021, 61, 1682-1689. | 0.4 | 3 |
| 59 | Energetics and Mechanics of Steep Treadmill Versus Overground Pole Walking: A Pilot Study. <i>International Journal of Sports Physiology and Performance</i> , 2021, , 1-4. | 1.1 | 3 |
| 60 | Pole Walking Is Faster but Not Cheaper During Steep Uphill Walking. <i>International Journal of Sports Physiology and Performance</i> , 2022, , 1-7. | 1.1 | 3 |
| 61 | Effects of a 3-Week Inpatient Multidisciplinary Body Weight Reduction Program on Body Composition and Physical Capabilities in Adolescents and Adults With Obesity. <i>Frontiers in Nutrition</i> , 2022, 9, 840018. | 1.6 | 3 |
| 62 | Does Extreme Muscle Hypertrophy Determine an Impairment of Skeletal Muscle Oxidative Metabolism?. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 72. | 0.2 | 1 |
| 63 | Metabolic and muscular factors limiting aerobic exercise in obese subjects. <i>European Journal of Applied Physiology</i> , 2019, 119, 1779-1788. | 1.2 | 1 |
| 64 | Effects of NMES pulse width and intensity on muscle mechanical output and oxygen extraction in able-bodied and paraplegic individuals. <i>European Journal of Applied Physiology</i> , 2021, 121, 1653-1664. | 1.2 | 1 |
| 65 | Peripheral Alterations Affect the Loss in Force after a Treadmill Downhill Run. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 8135. | 1.2 | 1 |
| 66 | Effect of small vs large muscle mass endurance training on maximal oxygen uptake in organ transplanted recipients. <i>Applied Physiology, Nutrition and Metabolism</i> , 2021, 46, 994-1003. | 0.9 | 1 |
| 67 | Physical capacities and leisure activities are related with cognitive functions in older adults. <i>Journal of Sports Medicine and Physical Fitness</i> , 2022, 62, . | 0.4 | 1 |
| 68 | Irisin Attenuates Muscle Impairment during Bed Rest through Muscle-Adipose Tissue Crosstalk. <i>Biology</i> , 2022, 11, 999. | 1.3 | 1 |
| 69 | Effects of gravitational and iso-inertial resistance trainings using rating of perceived exertion on lower limbs muscle force and power abilities and metabolic cost of walking in healthy older adults. <i>Journal of Sports Medicine and Physical Fitness</i> , 2021, , . | 0.4 | 0 |
| 70 | BENEFITS OF AEROBIC EXERCISE TRAINING WITH RECOMMENDATIONS FOR HEALTHY AGING. <i>Annales Kinesiologiae</i> , 2018, 8, 111-124. | 0.0 | 0 |
| 71 | Large Vs Small Skeletal Muscle Mass Training: A Study On Solid Organ Transplanted Recipients. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 1101-1101. | 0.2 | 0 |
| 72 | Neuromuscular Electrical Stimulation At Long Pulse Duration Is Associated With Higher Muscle Oxygen Utilization. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 933-933. | 0.2 | 0 |

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|----|---|-----|-----------|
| 73 | Predictive factors of responsiveness to a body weight reduction program in Prader-Willi patients at 6 years of follow-up. Scientific Reports, 2022, 12, 5182. | 1.6 | 0 |
| 74 | Use of a Tele-fitness Program for Seniors during the COVID-19 Pandemic: Excerpts of the Usage Analysis of the Movinsi! Project. , 2022, , . | | 0 |