

LIST OF PUBLICATIONS OF CARLO CAPELLI

H Index 27; Sum of times cited; 2066; Average citations per item 17.7. From Web of Science, Access on April 25th 2020

1) JOURNALS WITH EDITORIAL BOARD

1. Negrini D, **Capelli C**, Morini M e Miserocchi G. Gravity dependent distribution of parietal subpleural interstitial pressure. *J. Appl. Physiol.*, 63: 1912 - 1918, 1987. (#citations WOS: 21, IF 2018: 3,256)
2. **Capelli C**, Donatelli C, Moia C, Valzer C., Rosa G. e di Prampero PE. Energy cost and efficiency of sculling a Venitian gondola. *Eur. J. Appl. Physiol.*, 60: 175 - 178, 1990. (#citations WOS: 8, IF 2018: 2,401).
3. Brueckner. JC, Atchou G, **Capelli C**, Duvallet A, Barrault D, Jousselin E, Rieu M e di Prampero PE. The energy cost of running increases with the distance covered. *Eur. J. Appl. Physiol.*, 62: 385 - 389, 1991. (#citations WOS: 69, IF 2018: 2,401).
4. **C. Capelli** e P. E. di Prampero. Maximal explosive power and aerobic exercise in humans. *Schweiz. Ztschr. Sportmed.* 39: 103-111, 1991 (#citations WOS: 4).
5. Antonutto G, **Capelli C** e di Prampero P.E. Pedalling in space as a countermeasure to micro - gravity deconditioning. *Microgravity Quart.*, 1: 93 - 101, 1991. (#citations WOS: 17)
6. Zamparo P, **Capelli C** e Antonutto G. Blood Lactate during leg exercise in micro - gravity. *Acta Astronautica* , 27: 61 - 64, 1992. (#citations WOS: 4, IF 2018: 2,227)
7. **Capelli C**, Antonutto G, Zamparo P, Girardis M e di Prampero PE. Effects of prolonged cycloergometric exercise on maximal power and oxygen uptake on humans. *Eur. J. Appl. Physiol.* , 66: 189 - 195, 1993. (#citations WOS: 26, IF 2018: 2,401)
8. di Prampero PE, **Capelli C**, Pagliaro P, Antonutto G, Girardis M e Zamparo P. Energetics of best performances in middle distance running. *J. Appl. Physiol.*, 74: 2318 - 2342, 1993. (#citations WOS: 151, IF 2018: 3,256).
9. **Capelli C**, Rosa G, Butti F, Ferretti G, Veicsteinas A e di Prampero PE. Energy cost and efficiency of riding "Aerodynamic Bicycles". *Eur. J. Appl. Physiol.*, 67: 144 - 149, 1993. (#citations WOS: 62, IF 2018: 2,401).

10. Antonutto G., Girardis M, Tuniz D, Petri E e **Capelli C**. Assessment of cardiac output from non-invasive determination of arterial pressure profile in subjects at rest. *Eur. J. Appl. Physiol.*, 69: 183 - 188, 1994. (#citations WOS: 12, IF 2018: 2,401).
11. **Capelli C**, Zamparo P, Cigalotto A, Francescato MP, Soule RG, Termin B, DR Pendergast e di Prampero PE. Bioenergetics and biomechanics of front crawl swimming. *J. Appl. Physiol.*, 78: 674 - 679, 1995. (#citations WOS: 39, IF 2018: 3,256)
12. Minetti AE, **Capelli C**, Zamparo P. di Prampero PE e Saibene FB. Effects of speed and stride frequency on mechanical power and energy expenditure of walking. *Med. Sci. Sports Exer.*, 27: 1194 - 1202, 1995. (#citations WOS: 93, IF 2018: 4,291)
13. **Capelli C** e di Prampero PE. Effects of altitude on top speeds during 1 hour unaccompanied cycling. *Eur. J. Appl. Physiol.*, 71: 469 - 471, 1995. (#citations WOS: 13, IF 2018: 2,401)
14. Antonutto G., **Capelli C**, Girardis M, Zamparo P e di Prampero PE. Effects of micro - gravity on muscular explosive power of the lower limbs in humans. *Acta Astronautica*, 36: 8 - 12, 1995. (#citations WOS: 11, IF 2018: 2,227).
15. Zamparo P, **Capelli C**, Termin B, DR Pendergast e di Prampero PE. Effect of the underwater torque on the energy cost, drag and efficiency of front crawl swimming. *Eur. J. Appl. Physiol.* 73: 195 - 201, 1996. #citations WOS: 32, IF 2018: 3,256)
16. Zamparo P, Antonutto G, **Capelli C**, Francescato MP, Girardis M, Sangoi R e Soule RG. Effects of body size, body density, sex and growth on the underwater torque. *Scand J Med Sci Sports.*, 6: 273 - 280, 1996. (#citations WOS: 42, IF 2018: 2,410).
17. Zamparo P, Sepulcri L, Antonutto G, Girardis M, **Capelli C** e di Prampero PE. Effects of elastic recoil on maximal explosive power of the lower limbs. *Eur. J. Appl. Physiol.*, 75: 289 - 297, 1997. (#citations WOS: 15, IF 2018: 3,256)
18. Zamparo P, **Capelli C**, Pagliaro P, De Luca G, Pertoldi S, Saccavini M e di Prampero PE. Quantitative evaluation of the Myotatic Reflex in Hemiplegic and Paraplegic patients. *Adv. Clin. Path.*, 1: 49 - 57, 1997.
19. **Capelli C**, Schena F, Zamparo P, Dal Monte A, Faina M e di Prampero PE. Energetics of best performances in track cycling. *Med. Sci. Sports Exer.*, 30: 614 - 624, 1998. (#citations WOS: 52, IF 2018: 4,291)

20. **Capelli C**, Pendergast DR e Termin B. Energetics of swimming at maximal speeds. *Eur. J. Appl. Physiol.*, 78: 385 - 393, 1998. (#citations WOS: 125, IF 2018: 2,401)
21. Antonutto G, **Capelli C**, Girardis M, Zamparo P e di Prampero PE. Effects of micro - gravity on maximal power of the lower limbs during very short efforts in humans. *J. Appl. Physiol*, 86: 85 - 92, 1999. (#citations WOS: 58, IF 2018: 3,256)
22. **Capelli C**. Physiological determinants of best performances in human locomotion. *Eur. J. Appl. Physiol.*, 80: 298 – 307, 1999. (#citations WOS: 29, IF 2018: 2,401)
23. Zamparo P, **Capelli C** e Guerrini G. Energetics of kayaking at sub-maximal and maximal speeds. *Eur. J. Appl. Physiol.*, 80: 542 –548, 1999. (#citations WOS: 41, IF 2018: 2,401)
24. Milesi S, **Capelli C**, Denoth MD, Hutchinson T e Stüssi E. Effects of 17 days bedrest on the maximal voluntary isometric torque and neuromuscular activation of the plantar and dorsal flexors of the ankle. *Eur. J. Appl. Physiol*, 82: 197 – 205, 2000. (#citations WOS: 10, IF 2018: 2,401)
25. Zamparo P, Antonutto G, **Capelli C** e di Prampero PE. Effects of different after - loads and muscular lengths on maximal explosive power of the lower limbs. *Eur. J. Appl. Physiol*, 82: 381 – 390, 2000. (#citations WOS: 5, IF 2018: 2,401)
26. Zamparo P, **Capelli C**, Cautero M, Di Nino A. Energy cost of front crawl swimming at supra maximal speeds and underwater torque in young swimmers. *Eur. J. Appl. Physiol*, 83: 487-491, 2000. (#citations WOS: 57, IF 2018: 2,401)
27. Zamparo P, **Capelli C** e Cencigh P. Energy cost and mechanical efficiency of riding a four wheels human powered recumbent vehicle. *Eur. J. Appl. Physiol.*, 83: 499-505, 2000. (#citations WOS: 4, IF 2018: 2,401)
28. **Capelli C**, Cautero M e di Prampero PE. New perspectives in breath – by – breath determination of alveolar gas exchanges in humans. *Pflügers Arch.*, 441: 566-577, 2001. (#citations WOS: 39, IF 2018: 2,765)
29. Bertolissi M, Bassi F, Cecotti R, **Capelli C**, Giordano F. Pruritus: a useful sign for predicting the haemodynamic changes that occur following administration of vancomycin. *Crit Care*, 6(3):234 – 9, 2002. 8#citations WOS: 5; IF 2018, 6,630)

30. Cautero M, Beltrami AP, **Capelli C** e di Prampero PE. Breath – by – breath alveolar oxygen transfer at the onset of step exercise in humans: methodological implications. *Eur. J. Appl. Physiol.*, 88: 203 –231, 2002. (#citations WOS: 36, IF 2018: 2,401)
31. Cautero M, **Capelli C** e di Prampero PE. New acquisitions in the assessment of breath – by – breath alveolar gas transfer in humans. *Eur. J. Appl. Physiol.*, 90: 231 – 241, 2003. (#citations WOS: 24, IF 2018: 2,401).
32. Pendergast DR, Zamparo P, di Prampero PE, **Capelli C**, Cerretelli P, Temin A II, Craig A Jr., Bushnell D, Paschke D, Mollendorf J. Energy balance of human locomotion in water. *Eur. J. Appl. Physiol*, 90: 377 – 386, 2003. (#citations WOS: 47, IF 2018: 2,041)
33. Tam E, Kenfack M A, Cautero M, Lador F, Antonutto G, di Prampero PE, Ferretti G, **Capelli C**. Correction of cardiac output obtained by Modelflow[®] from finger pulse pressure profiles with a respiratory method in humans. *Clin Sci* 106: 371 – 376, 2004. (#citations WOS: 67, IF 2018: 5,220)
34. Kenfack MA, Lador F, Licker M, Moia C, Tam E, **Capelli C**, Morel D, Ferretti G. Cardiac output by Modelflow[®] method from intra-arterial and finger tip pulse pressure profiles. *Clin Sci*, 106: 365 – 369, 2004. (#citations WOS: 56, IF 2018: 5,220)
35. Zamparo P, Bonifazi M, Faina M, Milan A, Sardella F, Schena F, **Capelli C**. Energy cost of swimming of elite long distance swimmers. *Eur J Appl Physiol* 94: 697 – 794, 2005. (#citations WOS: 41, IF 2018: 2,401)
36. Cautero M, di Prampero PE, Tam E, **Capelli C**. Alveolar oxygen uptake kinetics with step, impulse and ramp exercise in humans. *Eur J Appl Physiol*. 95: 474 – 485, 2005 (#citations WOS: 12, IF 2018: 2,401)
37. di Prampero PE, **Capelli C**. Letter to the Editor on “Point:counterpoint: Positive effects of intermittent hypoxia. *J Appl Physiol*. 99: 2453, 2005. (#citations WOS: 2, IF 2018: 3,256)
38. Zamparo P, Tomadini S, Didone F, Grazzina F, Rejc E, **Capelli C**. Bioenergetics of a slalom kayak (K1) competition. *Int J Sports Med*. 27: 546- 552, 2006. (#citations WOS: 12, IF 2018: 2,453)
39. di Prampero PE, **Capelli C**, Ferretti G Letter to the Editor on “Point:counterpoint: In health an in a normoxic environment $\dot{V}O_{2max}$ is/is not limited primarily by cardiac output and

- locomotor muscle blood flow. *J Appl Physiol*. 100: 1086, 2006. (#citations WOS: 2, IF 2018: 3,256)
40. Lador F, Azabji MK, Moia C, Cautero M, Morel DR, **Capelli C**, Ferretti G. Simultaneous determination of the kinetics of cardiac output, systemic O₂ delivery and O₂ uptake at exercise onset in men. *Am J Physiol Regul Integr Comp Physiol* 290: R1071 – R1079, 2006. (#citations WOS: 47, IF 2018: 3,082)
41. Perini R, Tironi A, Cautero M, Di Nino A, Tam E, **Capelli C**. Seasonal training and heart rate and blood pressure variabilities in young swimmers. *Eur J Appl Physiol*, 97: 395 – 403, 2006. (#citations WOS: 23, IF 2018: 2,401)
42. Tosoratti E, Badano LP, Gianfagna P, Baldassi M, Proclemer A, **Capelli C**, Fioretti PM. Improved delineation of morphological features of arrhythmogenic ventricular cardiomyopathy with the use of contrast – enhanced echocardiography. *J Cardiovasc Med*, 7: 566- 568, 2006 (F 2012, 2.657)
43. **Capelli C**, Antonutto G, Azabji Kenfack M, Cautero M, Lador F, Moia C, Tam E, Ferretti G. Factors determining the time course of V'O_{2max} decay during bed-rest: implications for V'O_{2max} limitation. *Eur J Appl Physiol*, 98: 152 – 160, 2006. (#citations WOS: 45, IF 2018: 2,401)
44. Zamparo P, Sepulcri L, Tam E, Serratore M, **Capelli C**. Effects of intermittent exercise training on performance of young basketball players. *Coaching and Sport Sci*. 2: 32 – 39, 2007.
45. Zamparo P, Carignani G, Plaino L, Sgalmuzzo B, **Capelli C**. Energy balance of locomotion with pedal-driven watercrafts. *J Sport Sciences*, 26: 75-81, 2008 (#citations WOS:87, IF 2018: 2,733).
46. di Prampero, PE, Deckerle J, **Capelli C**, Zamparo P. The critical velocity in swimming. *Eur. J. Appl. Physiol*. 102: 164-171, 2008. (#citations WOS: 27, IF 2018: 2,401)
47. Lador F, Tam E, Azabji MK, Cautero M, Moia C, Morel DR, **Capelli C**, Ferretti G. Phase I dynamics of cardiac output, systemic O₂ delivery, and lung O₂ uptake at exercise onset in men in acute normobaric hypoxia. *Am J Physiol Integr Comp Physiol*, 295: R624-R632, 2008. 2008 (#citations WOS: 21, IF 2018: 3,082)

48. **Capelli C**, Ardigò LP, Schena F, Zamparo P. Energy cost and mechanical efficiency of riding a human powered recumbent vehicle. *Ergonomics*, 51: 1565 -1575, 2008. (#citations WOS: 9, IF 2018: 2,019)
49. Wüst R, Aliverti A, **Capelli C**, Kaiser B. Breath-by-breath changes of lung oxygen stores at rest and during exercise in humans. *Resp Physiol Neurobiol*, 164: 291-299, 2008. (#citations WOS: 16, IF 2018: 1,792)
50. **Capelli C**, Antonutto G, Cautero M, Tam E, Ferretti G. Metabolic and cardiovascular responses during sub-maximal exercise in humans after 14 days of head – down tilt bed rest and inactivity. *Eur J Appl Physiol*, 104: 909 - 918, 2008. (#citations WOS: 9, IF 2018: 2,401)
51. **Capelli C**, Tarperi C, Schena F, Cevese A. Energy cost and efficiency of Venetian rowing on a traditional, flat hull boat (Bissa) *Eur J Appl Physiol*, 105: 653 – 661, 2009. DOI: 10.1007/s00421-008-0949-6. (#citations WOS: 6, IF 2018: 2,401)
52. Zamparo P, Gatta G, Pendergast D, **Capelli C**. Active and passive drag: the role of trunk incline. *Eur J Appl Physiol* 106: 195 – 205, 2009 DOI: 10.1007/s00421-009-1007-8. 2008 (#citations WOS: 45, IF 2018: 2,401)
53. Ferretti G, **Capelli C** Maximal O₂ Consumption: Effects of gravity withdrawal and resumption, *Resp Physiol Neurobiol* 169 Suppl 1: S50 - S54, 2009, doi: 10.1016/j.resp.2009.03.012. (#citations WOS: 9, IF 2018: 1,792)
54. **Capelli C**, Adami A, Antonutto G, Cautero M, Tam E Oxygen deficits and oxygen delivery kinetics during submaximal intensity exercise in humans after 14 days of head-down tilt-bed rest. *Eur J Appl Physiol.*, 107: 51-59, 2009. doi 10.1007/s00421-009-1098. (#citations WOS: 8, IF 2018: 2,401)
55. **Capelli C**, Pogliaghi S. Comments on point: counterpoint: the kinetics of oxygen uptake during muscular exercise do/do not manifest time-delayed phase. Time delays are not artefacts generated by the algorithms utilised for calculations. *J Appl Physiol* 107 (5) 1671-1672, 2009 (#citations WOS: 2, IF 2018: 3,256)
56. Aliverti A, Kaiser B; Cautero M, Dellacà RL, di Prampero PE, **Capelli C**. Pulmonary V'O₂ kinetics at the onset of exercise is faster when actual changes in alveolar O₂ stores are

- considered. *Resp Physiol Neurobiol* 169: 78 - 82, 2009. doi:10.1016/j.resp.2009.08.012 (#citations WOS: 11, IF 2018: 1,792)
57. Bringard A, Pogliaghi S, Adami A, De Roia G, Lador F, Lucini D, Pizzinelli P, **Capelli C**, Ferretti G. Cardiovascular determinants of maximal oxygen consumption in upright and supine posture at the end of prolonged bed rest in humans. *Resp Physiol Neurobiol*. 171: 128 – 134, 2010; DOI: 10.1016/j.resp.2010.01.018 (#citations WOS: 12, IF 2018: 1,792)
58. Bonjour J, **Capelli C**, Antonutto G, Calza S, Tam E, Linnarsson D, Ferretti G. Determinants of oxygen consumption during exercise on cycle ergometer: The effects of gravity acceleration *Resp Physiol Neurobiol* 171: 128 – 134, 2010, doi: 10.1016/j.resp.2010.02.013. (#citations WOS: 12, IF 2018: 1,792)
59. **Capelli C**, Cautero M, Pogliaghi S. Algorithms, modelling and V'O₂ kinetics. *Eur J Appl Physiol*, 111 331 – 342, 2011, DOI 10.1007/s00421-010-1398-8 (#citations WOS: 30 IF 2018: 2,401)
60. Zamparo P, **Capelli C**, Pendergast D. Energetics of swimming: an historical perspective. *Eur J Appl Physiol*, 111: 367 – 378, 2011, doi: 10.1007/s00421-010-1433-7. (#citations WOS: 79, IF 2018: 2,401)
61. Adami A, Pogliaghi S, De Roia G, **Capelli C**. Oxygen uptake, cardiac output and muscle deoxygenation at the onset of moderate and supra maximal exercise in humans. *Eur J Appl Physiol*. 111: 1517-1527, 2011. DOI 10.1007/s00421-010-1786-y (#citations WOS: 18, IF 2018: 2,401)
62. **Capelli C**, Ferretti G. Comments on Viewpoint: The two-hour marathon: Who and when? Physiological determinants of best performance in marathon running. *J Appl Physiol* 110 283 - 284, 2011 (#citations WOS: 1, IF 2018: 3,256)
63. Bonjour J, Bringard A, Antonutto A, **Capelli C**, Linnarsson D, Pendergast DR, Ferretti G. Effects of gravity acceleration on human cardiopulmonary responses to exercise. *Eur J Appl Physiol*.: 111: 2907 – 2917, 2011, DOI: 10.1007/s00421-011-1917-0. (#citations WOS: 11, IF 2018: 2,401)
64. Smania N, Gandolfi M, Marconi V, Calanca A, Geroi C, Piazza S, Bonetti P, Fiorini P, Cosentino A, **Capelli C**, Conte D, Bendinelli M, Munari D, Ianes P, Fiaschi A, Picelli A.

- Applicability of a new robotic walking aid in a patient with cerebral palsy. *Eur J Phys Rehab Med* 47: 1 – 7, 2011 (#citations WOS: 8, IF 2018: 2,209)
65. El Ghoch M, Alberti M, **Capelli C**, Calugi S, Dalle Grave R. Resting energy expenditure in anorexia nervosa: measured vs. estimated. *J Nutr Met*, 2012: 1-6, 2011, Article ID 652932, doi:10.1155/2012/652932
66. Doria C, Toniolo L, Verratti V, Cancellara P, Pietrangelo T, Marconi V, Paoli A, Pogliaghi S, Fano' G, Reggiani C., **Capelli C**. Improved V'O₂ uptake kinetics and shift in muscle fiber type 3 in high altitude trekkers. *J Appl Physiol*, 111: 1597–1605, 2011 doi:10.1152/jappphysiol.01439.2010.A (#citations WOS: 25, IF 2018: 3,256)
67. Adami A, Pogliaghi S, De Roia G, **Capelli C**. Comment on “On the method of fitting cardiac output kinetics in severe exercise.” Richard L. Hughson and Azmy Faisal, In stampa *Eur J Appl Physiol* 112: 397-398, 2012. doi: 10.1007/s00421-011-1947-7. (#citations WOS: 1, IF 2018: 2,401)
68. El Goch M, Alberti M, **Capelli C**, Calugi S, Battistini NC, Pellegrini M, Šubasić S, Lanza M, Dalle Grave R. Resting energy expenditure assesment in anorexia nervosa: comparison of indirect calorimetry, a multisensor monitor and Müller equation. *Int J Food Sci Nutr*, Early on line: 1-6 doi: 10.3109/09637486.2012.658761. (#citations WOS: 6, IF 2018: 2,317)
69. Tam E, Rossi H, Moia C ,Berardelli C, Rosa G, **Capelli C**, Ferretti G. Energetics of running in top level marathon runners from Kenya. *Eur J Appl Physiol*, 112: 3797 – 3806; DOI 10.1007/s00421-012-2357-1 (#citations WOS: 40, IF 2018: 2,401)
70. De Roia G, Pogliaghi S, Adami A, Papadopoulou C, **Capelli C**. Effects of priming exercise on the speed of adjustment of muscle oxidative metabolism at the onset of moderate-intensity step transitions in older adults. *Am J Physiol Integr Comp Physiol* 302: R1158-R1166, 2012 , doi:10.1152/ajpregu.00269.2011 (#citations WOS: 20, IF 2018: 3,082)
71. El Ghoch M, Alberti M, Milanese C, Battistini NC, Pellegrini M, **Capelli C**, Calugi S, Dalle Grave R. ,Comparison between dual-energy X-ray absorptiometry and skinfolds thickness in assessing body fat in anorexia nervosa before and after weight restoration. *Clinical Nutrition*, 31: 911-916, 2012, doi:10.1016/j.clnu.2012.03.009 (#citations WOS: 18, IF 2018: 5,496)

72. Marconi V, Carraro E, Trevisi E, **Capelli C**, Martinuzzi A, Zamparo P. The Locomotory Index in diplegic and hemiplegic children: the effects of age and speed on the energy cost of walking. *Eur J Phys Rehab Med*, 48: 1- 10, 2012 (#citations WOS: 7, IF 2018: 2,209)
73. Ardigò LP, **Capelli C**. Energy Expenditure during the LANY Footrace 2011 – a case study. *Appl Physiol Met Nutr*, 37; 1247-1250, 2012. (#citations WOS: 3, IF 2018: 2,518)
74. Adami A, **Capelli C**. Oxygen deficit during supramaximal exercise in humans: a new estimation method. *J Sports Med Phys Fitness*, 53: 17 - 26(#citations WOS: 1, IF 2018: 1,120)
75. Lador F, Tam E, Adami A, Azabji Kenfaca M, Bringard A, Cautero M, Moia C, Morel DR, **Capelli C**, Ferretti G. Cardiac output, O₂ delivery and V'O₂ kinetics during step exercise in acute normobaric hypoxia. *Resp Physiol Neurobiol* 186: 206 – 213, 2013, doi.org/10.1016/j.bbr.2011.03.031. citations WOS: 4, IF 2018: 1,792)
76. Alberti M, Galvani C, **Capelli C**, Lanza M, El Ghoch M, Calugi S, Dalle Grave R. Physical Fitness Before and After Weight Restoration in Anorexia Nervosa. *J Sports Med Phys Fitness*, 53:396-402, 2013 (#citations WOS: 8, IF 2018: 1,120)
77. Belloti C, Calabria E, **Capelli C**, Pogliaghi S. Determination of maximal lactate steady state in healthy adults: can NIRS help? *Med. Sci. Sports Exer.*, 45: 1208-1216, DOI: 10.1249/MSS.0b013e3182828ab2. (#citations WOS: 37, IF 2018: 4,291)
78. Adami A, Pizzinelli P, Bringard, A, **Capelli C**, Malacarne M, Lucini D, Simunič B, Pišot R, Ferretti G. Cardiovascular re-adjustments and baroreflex response during clinical reambulation procedure at the end of 35-day bed rest in humans. *Appl Physiol Nutr Met* 38: 673 – 680, 2013. dx.doi.org/10.1139/apnm-2012-0396.(#citations WOS: 12, IF 2018: 2,518)
79. Alberti M, Galvani C, El Ghoch M, **Capelli C**, Lanza M, Calugi S, Dalle Grave R. Assessment of Physical Activity in Anorexia Nervosa and Treatment Outcome. *Med Sci Sports Exer* 45: 1643 – 1648, 2013 .#citations WOS: 19 IF:2018: 4,291)
80. Schena F, Pellegrini B, Tarperi C, Calabria E, Salvagno GL, **Capelli C**. Running economy during a simulated 60-km trial. *Int J Sport Physiol Perform*, 9: 604-609, 2014. (#citations WOS: 9; IF 2018: 3,384)

81. Galvani C, Ardigò LP, Alberti M, Daniele F, Capelli C. Physical activity, sleep pattern and energy expenditure in double-handed offshore sailing. *J Sports Med Phys Fitness*, 55: 1480 – 1488, 2015 (#citations WOS: 2, IF 2016: 1,120)
82. Fontolliet T, Pichot V, Antonutto G, Bonjour J, Capelli C, Tam E, Barthélémy JC, Ferretti G. Effects of gravitational acceleration on cardiovascular autonomic control in resting humans. *Eur J Appl Physiol*, 115: 1417-1427, 2015. DOI 10.1007/s00421-015-3117-9 (#citations WOS: 4, IF 2018: 2,401)
83. Ardigò L, Padulo J, Zuliani A, Capelli C. low-cost method for estimating energy expenditure during soccer refereeing. 33: 1853-1858, 2015. DOI: 10.1080/02640414.2015.1015150 *J Sports Sci*, 33: 1853-1858, 2015.(#citations WOS: 6, IF 2018: 2,733)
84. Bruseghini P, Calabria E, Tam E, Milanese C, Oliboni E, Pezzato A, Pogliaghi S, Salvagno GL, Schena F, Pozzi Mucelli R, **Capelli C**. Effects of eight weeks of aerobic interval training and of isoinertial resistance training on risk factors of cardiometabolic diseases and exercise capacity in healthy elderly subjects. *Oncotarget*, 6: 16998-17015, 2015. (#citations WOS: 24, IF 2016: 5,168)
85. Tam E, Bruseghini P, Calabria E, Dal Sacco, L, Doria C, Grassi B, Pietrangelo T, Pogliaghi S, Reggiani C, Salvadego D, Schena F, Toniolo L, Verratti V, Vernillo G, **Capelli C**. GOKYO KHUMBU/AMA DABLAM TREK 2012: Effects of physical training and high-altitude exposure on oxidative metabolism, muscle composition, and metabolic cost of walking in women. *Eur J Appl Physiol*, 116: 129 – 144, 2016. DOI 0.1007/s00421-015-3256-z (#citations WOS: 9, IF 2016: 2,401).
86. Lopez S, Bourgois JG, Tam E, Bruseghini P, **Capelli C**. Cardiovascular and metabolic responses to on-water upwind sailing in optimist sailors. *Int J Sport Physiol Perform* 11: 615-622, 2016. (#citations WOS: 0, IF 2016: 3,384).
- 87. Capelli C**, Rittveger J, Bruseghini P, Calabria E, Tam E. Maximal aerobic power and anaerobic capacity in cycling across the age spectrum in male master athletes. *Eur J Appl Physiol*, 116: 1395-1410, 2016. DOI: 10.1007/s00421-016-3396-9. (#citations WOS: 6, IF 2016: 2,401)

88. Calabria E, Mazza EMC, Dyar KA, Pogliaghi S, Bruseghini P, Morandi C, Salvagno GL, Gelati M, Guidi GC, Bicciato S, Schiaffino S, Schena F, Capelli C. Aging: a portrait from gene expression profile in blood cells. *Aging*, 8: 1801-1821, 2016. (#citations WOS: 3, IF 2017: 5,515)
89. **Capelli C**, Rittweger. J. Response to the comments “Do Maximal aerobic and anaerobic capacity start really to decrease after the fourth decade of life?” written by F Borrani, G Millet to the paper “Maximal aerobic power and anaerobic capacity in cycling across the age spectrum in male master athletes”. *Eur J Appl Physiol*, in the press, 116: 2425 – 2426, 2016. DOI 10.1007/s00421-016-3461-4. (#citationsWOS: 0, IF 2016: 2,401).
90. Zandonai T, Tam E, Bruseghini P, Pizzolato F, Franceschi L, Baraldo M, **Capelli C**, Cesari P, Chiamulera C. The effects of oral smokeless tobacco administration on endurance performance. *J Sport Health Sci*, in the press. DOI: 0.1016/j.jshs.2016.12.006; (#citations WOS: 6, IF 2016: 2,591).
91. Bourgois JG, Callewaert M, Celie B, Dumortier J, **Capelli C**, Sjøgaard G, De Clercq D, Boone J. Tribute to Dr. Jacques Rogge Muscle activity and fatigue during hiking in Olympic dinghy sailing . *Eur J Sport Sci* 17: 611 – 620, 2017, <http://dx.doi.org/10.1080/17461391.2017.1300328>, (#citations WOS: 1, IF 2016:2,576)
92. **Capelli C**. Maximal Aerobic Power in Aging Men: Insights From 1-Hour Cycling Unaccompanied Record. *Int J Sport Physiol Perform*, 19: 1 – 12, 2017, <https://doi.org/10.1123/ijsp.2017-0019>, (#citations WOS: 1, IF 2016: 3,384).
93. Areta JL, Astarheim I, Wangensteen H, **Capelli C**. Metabolic and performance effects of Yerba Mate on well-trained cyclists. *Med Sci Sports Exer*, 50: 818 - 826, doi: 10.1249/MSS.0000000000001482. (#citations WOS: 3, IF 2016: 4,291)
94. Bruseghini P,², Tam E, Monte A, **Capelli C**, Zamparo P. Metabolic and kinematic responses while walking and running on a motorised and a curved non-motorised treadmill. *J Sports Sci* 4: 396- 403, 2019; doi: 10.1080/02640414.2018.1504605 (#citations WOS: 0, IF 2016: 2,733)
95. Tam E, Bruseghini P, **Capelli C**, Oliboni E, Pezzato A, Pogliaghi S, Pozzi Mucelli R, Schena F, Calabria E. Effect of endurance and strength training on the slow component of

- V'O₂ kinetics in elderly humans. *Front Physiol*, 9(10): 1-11, 2018; doi: 10.3389/fphys.2018.01353. (#citations WOS: 2, IF 2016: 3,394)
96. Del Torto A, Skattebo Ø, Hallén J, **Capelli C**. Cardiac output with modified cardio-impedance against inert gas rebreathing during sub-maxima and maximal cycling exercise in healthy and fit subjects. *Eur J Appl Physiol*, 119: 163 - 170, 2019, doi: 10.1007/s00421-018-4011-z, (#citations WOS: 1, IF 2016: 2,401).
97. Zandonai T, Tam E, Bruseghini P, **Capelli C**, Baraldo M, Chiamulera C. Exercise performance increase in smokeless tobacco- user athletes after overnight nicotine abstinence. *Scand J Med Sci Sports*, 29: 430 - 439, doi: 10.1111/sms.13333, (#citations WOS: 5, IF 2016: 3,623).
98. Rossi AP, Muollo V, Fantin F, Asciochi E, Urbani S, Taylor M, Caruso B, Milanese C, **Capelli C**, Schena F, Zamboni M. Effects of diet combined with Nordic walking or walking programme on weight loss and arterial stiffness in postmenopausal overweight and obese women: The Walking and Aging Verona pilot study. *Eur J Prev Cardiol* iDOI: 10.1177/2047487319877712, 2019 [IF 2017, 4.452].
99. Bruseghini P, **Capelli C**, Calabria E, Rossi AP, Tam E. Effects of high intensity interval training and isoinertial training on leg extensors muscle function, structure and intermuscular adipose tissue in older adults. *Frontiers Physiol*, doi: 10.3389/fphys.2019.01260, 2019, (#citations WOS: 1, IF 2016: 3,394).
100. Calabria E, Scambi I, Bonafede R, Schiaffino L, Peroni D, Potrich V, **Capelli C**, Schena F, Mariotti R. ASCs-Exosomes Recover Coupling Efficiency and Mitochondrial Membrane Potential in an in vitro Model of ALS. *Frontiers in Neurosci*. 2019 Oct 17;13:1070. doi: 10.3389/fnins.2019.01070. (citations WOS: 1, IF 2016: 3,877).
101. Fagoni N, Bruseghini P, Adami A, **Capelli C**, Lador F, Moia C, Tam E, Bringard A, Ferretti G. Effect of Lower Body Negative Pressure on Phase I Cardiovascular responses at Exercise Onset. *Int J Sports Med*, 41: 209-2018, 2020; doi.org/10.1055/a-1028-7496. (#citations WOS: 0, IF 2018: 2,453).
102. Bruseghini P, Tam E, Calabria E, Milanese C, **Capelli C**, Galvani C. High intensity interval training does not have compensatory effects on physical activity levels in older adults. *Int J Environ Res Public Health*, 8:17; doi:10.3390/ijerph17031083 [IF 2018: 2,468]

103. Skattebo Ø, Wold Bjerring A, Auensen M, Imre Sarvari S, Toldnes Cumming K, **Capelli C**, Hallén. L Blood volume expansion does not explain the increase in peak oxygen uptake induced by 10 weeks of endurance training. *Eur J Appl Physiol*; 2020, doi.org/10.1007/s00421-020-04336-2 (#citations WOS: 0, IF 2016: 2,401).
104. Tam E, Bruseghini P, **Capelli C**, Baraldo M, Chiamulera C, Zandonai T. Effects of nicotine on microvascular responsiveness after nicotine satiety versus overnight nicotine abstinence. *Vascular Med* doi.org/10.1177/1358863X20906029, 2020.(IF 2018: 2,393)
105. Skattebo Ø., Calbet J.A.L., Rud, B., **Capelli C.**, Hallén J. Contribution of oxygen extraction fraction to maximal oxygen uptake in healthy young men. *Acta Physiol*, 2020 May 4. doi: 10.1111/apha.1348, in the press (IF 2018: 5,930).
106. Skattebo Ø., Capelli C., Rud B., Calbet J.A.L., Rud, B., Hallén J. Increased oxygen extraction and mitochondrial protein expression after small muscle mass endurance training. *Scand J Med Sci Sports*, doi: 10.1111/SMS.13707, 2020 (IF 2018: 3,631), 30: 1615, 1631, 2020 (IF 2018: 3,631).

2) JOURNALS WITHOUT EDITORIAL COMMITTEE

1. **C. Capelli** e P. E. di Prampero. Maximal explosive power and aerobic exercise in humans. *Schweiz. Ztschr. Sportmed.* 39: 103-111, 1991.
2. P. Zamparo, G. Antonutto, **C. Capelli**, M. Girardis, L. Sepulcri e P.E. di Prampero. Effetti del recupero di energia elastica sulla massima potenza esplosiva degli arti inferiori. *Nuova Atletica*, 158: 4 – 11, 1999.
3. **C. Capelli**, P. Zamparo, A. di Nino, M. Cautero. Il dispendio energetico del nuoto. *La Tecnica del Nuoto*: 3: 22- 26, 2000.
4. Zamparo P, **Capelli C**, Cavallazzi E, Crescenzi S, Faina M, Pezzutti L, Sardella F, Bonifazi M. Gran fondo; parametri bioenergetici e biomeccanici. *La Tecnica del Nuoto*: 3: 3- 12, 2006.

3) BOOKS CHAPTERS

1. **C. Capelli**, P. Zamparo, G. Bertino, T. Dogareschi, G. Molinis, D. Tuniz e M. Valente. Consumo energetico durante la marcia in piano in soggetti postinfartuati. In *“Il ritorno la lavoro dell’infartuato”*, a cura di M. Valente e G. Maisano, EDIFARM, Milano, pp. 89-106, 1990.
2. **C. Capelli**. Il Ciclismo, voce destinata alla pubblicazione ne *“L’Universo del Corpo”*, Volume II, opera collettiva a cura dell’Istituto della Enciclopedia Italiana fondata da Giovanni Treccani, Roma, pp 678 – 683, 1999.
3. **C. Capelli** e P. E. di Prampero. Physiological factors affecting running performances. In *“Running Science”*, J. Bangsbo e H.B. Larsen eds, Munksgaard, Copenhagen DK, 2001 pp 67 – 83.
4. **C. Capelli**. Bioenergetica della contrazione muscolare. In *“Il test da sforzo cardio polmonare – Teoria ed applicazioni”*. A cura di F. Schena e P. Palange, P. Palange e F. Schena eds., Cosmed, Roma, 2001, pp. 11 – 26.
5. PE di Prampero, G. Antonutto, **C Capelli**, P Mognoni. Costo energetico e fattori limitanti le massime prestazioni nel ciclismo. In *“Bioingegneria della Postura e del Movimento”*, a cura di A Cappello, A Cappozzo e PE di Prampero, Atti della XXII Scuola Annuale del Gruppo Nazionale di Bioingegneria del CNR, Bressanone (BZ), 22 – 25 Settembre 2003, Patron Editore, Bologna, 2003, pp. 571 – 591.
6. **C. Capelli** (In collaborazione con R. Bottinelli) – Adattamento all’esercizio fisico, In *Fisiologia Medica. Volume 2*, a cura di F. Conti, edi.ermes, Milano, 2005, pp 699 – 753.
7. **C Capelli** e G Ferretti. *Dagli Abissi allo Spazio - Ambienti e limiti umani*, edi-ermes, Milano, 2008, pp 1- 324.
8. **C. Capelli** (In collaborazione con G. Ferretti) – Sistema respiratorio, In *Fisiologia Medica. Volume 2*, seconda edizione, a cura di F. Conti, edi.ermes, Milano, 2010, pp 261 – 380.
9. **C. Capelli** – Fisiologia dell’esercizio fisico: adattamenti metabolici, In *Fisiologia Medica. Volume 2*, seconda edizione, a cura di F. Conti, edi.ermes, Milano, 2010, pp 783 – 802.
10. **C. Capelli** – Fisiologia dell’esercizio fisico: adattamenti cardiorespiratori, In *Fisiologia Medica. Volume 2*, seconda edizione, a cura di F. Conti, edi.ermes, Milano, 2010, pp 803 – 820.
11. **C. Capelli**, P. Zamparo - Energy Expenditure, In: *Encyclopedia of Exercise Medicine in Health and Disease*, FC Mooren ed., Springer-Verlag, Berlin Heidleberg, 2012, pp. 290 – 293.
12. Zamparo P, **Capelli C**, Pogliaghi S. Bioenergetics of Cyclic Sports Activities on Land. Walking, Running and Cycling. In *Nutrition and Enhanced Sports Performance 1st Edition*, ed Baghci & Nair & Sen, Academic Press, 2013, pp 133-142, doi: <http://10.1016/B978-0-12-396454-0.00013-8>

4) PROCEEDINGS OF INTERNATIONAL CONGRESS (INCLUDING POSTERS AND ORAL COMMUNICATIONS)

1. G. Rosa, G. Ferretti, **C. Capelli** e A. Veicsteinas. Right versus left leg strength in cyclists. In *"Current Topics in Sports Medicine"*, Atti del Congresso Mondiale di Medicina dello Sport, 1982, Vienna, Urban & Schwarzenberg, Vienna 1984.
2. P. Cerretelli, P. E. di Prampero, J.C. Brueckner, G. Ferretti, **C. Capelli**, H. Howald e O. Oelz. Respiratory and metabolic characteristics of elite alpine climbers. In *"Hypoxia and Cold"*, eds J.R. Sutton, C. S. Houston e G. Coates, Atti del *"Fourth International Hypoxia Symposium"* Febbraio 1985, Lake Louise, Canada, Praeger, New York, USA, 1987, pp. 457 – 462
3. **C. Capelli**, G. Antonutto, P. Zamparo, M. Girardis e P. E. di Prampero. Work Performances efficiency during all out efforts. in *"Proceedings of the XXXI International Congress of Physiological Sciences"*, 9-14 Luglio 1989, Helsinki, Finlandia.
4. **C. Capelli**, G. Antonutto, M. Girardis P. Zamparo, e P. E. di Prampero. Maximal muscular power and O₂ consumption during aerobic exercise in man. In atti del *"9th Regional Meeting of Biochemists, Biophysicists and Biothechnologists"*, 28 - 30 Marzo 1990, Abazia, Yugoslavia.
5. **C. Capelli**, G. Antonutto, M. Girardis, P. Zamparo e P.E. di Prampero. Maximal muscular power ond O₂ consumption during aerobic exercise in man. *XVII Riunione primaverile della Società Italiana di Fisiologia*, Aprile 19 - 21 1990, Firenze, Italia.
6. Pedalling in space to simulate gravity: the twin-bike system. G. Antonutto, **C. Capelli**, P.E. di Prampero. In Atti del *"IV European Symposium on Life Sciences Research in Space"*, 28 Maggio – 1 Giugno 1990, Trieste, ESA SP-307: 59 – 6.
7. P. E. di Prampero, **C. Capelli**, G. Antonutto, M. Girardis, P. Pagliaro, P. Zamparo. Energetics of middle distance running. *XVIII Riunione primaverile della Società Italiana di Fisiologia*, Aprile 4 - 6, 1991, Firenze, Italia.
8. A. E. Minetti, **C. Capelli**, G. Antonutto, P. Zamparo, G. de Luca, L. Lovati, G. Cortili, P.E. di Prampero e F. Saibene. Energ expenditure and mechanical work during walking in hemiplegic patients: a preliminary report. *XLII Congresso Annuale generale della Società Italiana di Fisiologia*, 23 - 26 Settembre, 1991, Sorrento, Italia.
9. P. Zamparo, G. Antonutto e **C. Capelli**. Lactate accumulation in blood during dynamic exercise in short lasting microgravity. In atti del *"9th IAA Man in Space Symposium"*, 17 - 21 Giugno, 1991, Colonia, Germania.
10. A. E. Minetti, F. Saibene, G. Cortili, G. Antonutto, **C. Capelli**, P. Zamparo e P. E. di Prampero. Energy expenditure and mechanical work in walking: effects of frequency and speed. Atti del *"Regional Meeting of I.U.P.S."*, Giugno 1991, Praga, Cecoslovacchia.
11. G. Rosa, **C. Capelli** e P. E. di Prampero. Effects of wheel and frame design on the aerodynamics of cycling. In *"Proceedings of the Study Conference on Biomechanics of Human Movement: Applications in Rehabilitation, Sports and Ergonomics"*, ed. N. Berme e A. Cappozzo, 16 - 21 Giugno 1986, Formia, Bertec Corporation, Worthington, Ohio, USA, 1991, pp. 448-451.
12. **C. Capelli**, P. Zamparo, P. Viglino e P.E. di Prampero. Quantitative evaluation of phosphate metabolites in frog muscle by ³¹P NMR. *XIX Riunione primaverile della Società Italiana di Fisiologia*, 14 - 17 Aprile 1992, Firenze, Italia.

13. R. G. Soule, A. Cigalotto, **C. Capelli**, P. Zamparo, M. Girardis, M. P. Francescato e P.E. di Prampero. The development of an instrument for measuring underwater torque. *39th Annual meeting of the ACSM*, 27 - 30 Maggio 1992, Dallas, USA.
14. **C. Capelli**, A. Cigalotto, M. Girardis, P. Zamparo, M.P. Francescato e R. Soule. Underwater Torque and energy cost of front crawl swimming. Proceedings of the "*Eighth Meeting of the European Society of Biomechanics*", 21 – 24 Giugno, 1992, Roma, Italia.
15. R. G. Soule, A. Cigalotto, **C. Capelli**, P. Zamparo, M. Girardis. Torque and the energetics of swimming the front crawl. *APS Conference on Integrative Biology of Exercise*, 23-26 Settembre, 1992 Colorado Springs, USA.
16. di Prampero P.E. e **C. Capelli**. Energetics of Middle Distance Running. in "*Proceedings of the Olympic Scientific Congress*", 14 - 19 Luglio 1992, Malaga, Spagna.
17. P. Zamparo, **C. Capelli**, D. Pendergast, B. Termin, P.E. di Prampero. Effects of the underwater torque on the active drag and efficiency of crawl swimming. *XXXII IUPS Congress*, 1st-6th Agosto, 1993 Glasgow, Scozia.
18. F. Schena (FACSM), **C. Capelli**, P. Zamparo and P. E. di Prampero. Energetics of best performances in track cycling. 1995 ASCM Annual Meeting, 31 Maggio- 3, 1995 Giugno, Minneapolis, USA.
19. **Capelli C.** e P.E. di Prampero. Blood lactate accumulation and energy release in exercising humans. In proceedings of the "*14th Joint Meeting of Clinical Biochemists: Clinical Biochemistry of Physical exercise*", *Biochimica Clinica* 19: 1 Giugno 1995, Padova, pp. 541 – 542.
20. Antonutto G., **C. Capelli**, M. Girardis, P. Zamparo and P. E. di Prampero. Effects of microgravity on muscular explosive power of the lower limbs in humans. *XIXIII Riunione primaverile della Società Italiana di Fisiologia* , 20 - 22 Aprile 1995, Firenze, Italia.
21. **Capelli C.** e P. E. di Prampero. Breath by breath assessment of the alveolar to capillary oxygen transfer: the state of the art. In "*Selected Papers*", ed. A. Gullo, APICE 1996, 11 - 16 Novembre 1996, Trieste, pp. 304 – 307.
22. Schena F. e **C. Capelli**. Mechanical efficiency of riding triathlon and traditional racing bicycles. 1997 ACSM Annual Meeting, 28 - 31 Maggio 1997, Denver, USA.
23. **Capelli C.** e P. E. di Prampero. Breath to breath assessment of the alveolar to capillary oxygen transfer: a comparison of two methods. 1997 ACSM Annual Meeting 28 - 31 Maggio 1997, Denver, USA.
24. **Capelli C.** Energetics of best performances in human locomotion. Atti del "*XXXIII International Congress of Physiological Sciences*" 30 giugno - 5 Luglio 1997, St. Pietroburgo, Russia.
25. Milesi S., **C. Capelli**, J. Denoth, T. Hutchinson, S. B. Arnaud, E. Stüssi and P. E. di Prampero. Effects of 17 days of bed rest on the maximal voluntary isometric torque and neuromuscular activation of the plantar and dorsal flexors of the ankle. 18th Annual International Gravitational Physiology Meeting, 20 - 25 Aprile 1997, Copenhagen, Danimarca. *J. Grav. Physiol* 4(2): 125 – 126, 1997.
26. Zamparo P., **C. Capelli** e G. Guerrini. Energetics of Kayaking at sub - maximal and supra - maximal speeds. Atti del "*Third Annual Congress of ECSS*", July 17 - 18 1998, Manchester, England.

27. **C. Capelli**, J. Denoth, S. Milesi, E Stussi, PE di Prampero. Effects of microgravity on the biomechanical and bioenergetic characteristics of human skeletal muscle – E407 Life and Microgravity Spacelab Final Report, NASA/CP-1998-206960, pp 464-499.
28. P.E. di Prampero, G. Antonutto, **C. Capelli** e P. Zamparo. Effects of microgravity on maximal power of the lower limbs during very short efforts in humans. Proceedings of the “*Third Annual Congress of ECSS*”, July 17 - 18 1998, Manchester, England.
29. **C. Capelli**, M. Cautero and P.E. di Prampero. New perspectives in breath-by- breath determination of alveolar transmembrane gas exchange. Atti del “*The Physiological Society University College Scientific Meeting*”, 19 – 22 April 1999, London, England *J Physiol* 518 P, 93P.
30. M. Cautero, **C. Capelli**, A.P. Beltrami e P.E. di Prampero. New perspectives in breath – by - breath determination of alveolar trans – membrane gas exchange at the onset of exercise in humans. Proceedings of the “*4th Annual Congress of the European College of Sport Science*”, July 14 – 17, 1999, Rome, Italy.
31. **C. Capelli**, M. Cautero e P.E. di Prampero. Breath - by - breath determination of alveolar gas exchange. Proceedings of the “*34. Atmungsphysiologische Arbeitstatung*”, January 28 - 29 2000, Lubeck, Germany.
32. **C. Capelli**, M. Cautero e P.E. di Prampero. Assessment of breath – to - breath alveolar gas transfer: a comparison of two procedures. 2000 ACSN Annual Meeting, 31 May - June 2000, Indianapolis, USA, *Med. Sci. Sports Exerc.* 32: S332, 2000.
33. P. Zamparo, **C. Capelli**, A. Di Nino e M. Cautero. Energy cost of front crawl at supramaximal speeds and underwater torque in young swimmers. 2000 ACSN Annual Meeting, 31 May - June 2000, Indianapolis, USA, *Med. Sci. Sports Exerc.* 32: S335, 2000.
34. **C. Capelli**. Bioenergetic limits of maximal speeds in human locomotion. In Proceedings of the 51st Annual Meeting of the *Società Italiana di Fisiologia*, Catania September 25 – 27, 2000, *Pflugers Arch.* 442 (1): C52, 2001.
35. M. Cautero, **C. Capelli**, G. Antonutto e P. E. di Prampero. Alveolar gas exchange dynamics during step and ramp exercise in humans. Proceedings of the XXVIII Spring Meeting of the *Società Italiana di Fisiologia*, 12 – 14 Febbraio 2001, *Pflugers Arch.* 442: R91, 2001.
36. Ferretti G, F. Lador, M. Azabji, C. Moia, E. Tamm, M. Cautero, S. Fusi, G. Antonutto, **C. Capelli**. The time course of the decrease in maximal oxygen consumption during long-term bed rest in humans. Proceedings of the joint meeting Physiological Society- SIF. Liverpool, Luglio 2002 *J Physiol.* 543P, 91P, 2002.
37. M. Cautero, G. Antonutto, S. Fusi, E. Tam, P. E. di Prampero, D. Linnarsson, G. Ferretti and **C. Capelli**. Oxygen uptake at the onset of step-exercise before and after short duration bed rest in humans. ESA- ISGP meeting “Life in Space for Life on Heart”, June 2 – 7, 2002, Stockholm, Sweden.
38. Perini R, Tironi A, Cautero M, Tam E, **Capelli C** e di Prampero PE. Effects of seasonal training on resting autonomic control of heart rate in young athletes. Atti del “*8th Annual Congress European College of Sport Science*”. July9 - 12 2003, Salzburg, Austria, P110 – 01.
39. Antonutto G*, M Cautero, E Tam, **Capelli C**. Effects of short term bed – rest on maximal aerobic power and maximal cardiac output in humans. 2nd European Congress “Achievements in Space medicine into Health Care Practice and Industry”, March 27-29, Berlin, Germany, 2003.

40. Lador F, Azabji MK, Moia C, Cautero M, **Capelli**, C, Morel D, Ferretti G. Kinetics of oxygen delivery at the onset of moderate exercise in humans. Atti del "9th Annual Congress European College of Sport Science", July3 - 6 2004, Clermont Ferrand, France, P137.
41. **Capelli** C, Bonifazi M, Faina M, Milan A, Sardella F, Schena F, Zamparo P. Energy cost of swimming in elite long distance athletes. Atti del "9th Annual Congress European College of Sport Science", July3 - 6 2004, Clermont Ferrand, France, P243.
42. Tam E, Narici MV, **Capelli** C, Pearson GL. Inertial loading in old age: training adaptation. Atti del "9th Annual Congress European College of Sport Science". July3 - 6 2004, Clermont Ferrand, France, P324.
43. **Capelli** C. Zamparo P, Cautero M, Tam E. The energetics of competitive swimming. Tam E, Antonutto G, Cautero M, Ferretti G, **Capelli** C. Effects of short term bed – rest on exercise response in humans. Proceedings of the "15th Humans in Space Symposium, Graz (Austria) 22 - 26 Maggio 2005.
44. Tam E, Antonutto G, Cautero M, Ferretti G, **Capelli** C. Effects of short term bed – rest on exercise response in humans. Atti del "15th Humans in Space Symposium, May 22 – 26, Graz, Austria, 2005.
45. **Capelli** C. Energy cost of locomotion below and above the lactate threshold according to different types of locomotion. Proceedings of the "10th Annual Congress European College of Sport Science". July 13 – 16, Belgrade, Serbia, 2005, P10.
46. **Capelli** C, L. Sepulcri, E Tam, P Zamparo. Energy balance of supramaximal intermittent exercise. ACSM Annual Meeting, 31 Maggio - 3 Giugno 2006, Denver, USA, *Med. Sci. Sports Exerc.* 38 (5): S515, 2006.
47. Lador F, M Azabji-Kenfack, C Moia, M Cautero, DR Morel, **C Capelli**, G Ferretti. Kinetics of cardiac output, systemic O₂ delivery and lung O₂ uptake in normoxia and normobaric hypoxia in men. Atti del "11th Annual Congress European College of Sport Science". Losanna 5 - 8 Luglio 2006, P55.
48. M Azabji-Kenfack, Fagoni N, Tam E, M Cautero, F Lador, C Moia, **C Capelli**, D Linnarsson, G Ferretti. Effects of bed rest and posture on the kinetics of O₂ uptake and cardiac output. Atti del "11th Annual Congress European College of Sport Science". Losanna 5 - 8 Luglio 2006, P71.
49. Tam E, Fagoni N, M Azabji-Kenfack, M Cautero, C Moia , F Lador, **C Capelli**, G Ferretti. Effects of prolonged bed rest on the cardiopulmonary response to postural changes in humans. Atti del "11th Annual Congress European College of Sport Science". Losanna 5 - 8 Luglio 2006, P278.
50. **Capelli** C, M Cautero, PE di Prampero. Breath by breath gas exchange: getting it right. Atti del "11th Annual Congress European College of Sport Science". Losanna 5 - 8 Luglio 2006, P424.
51. Bonjour J, Tam E, Grazzina F, G Antonutto, , **C Capelli**, C Montmerle, D Linnarsson, G Ferretti. The effects of gravity acceleration on the cardiopulmonary response to exercise. Atti del "11th Annual Congress European College of Sport Science". Losanna 5 - 8 Luglio 2006, P514.
52. Dekerle J, P Zamparo, **C Capelli**, PE di Prampero. Energetic cost and D-t_e relationship in swimming. Atti del "11th Annual Congress European College of Sport Science". Losanna 5 - 8 Luglio 2006, P520.

53. **Capelli C**, Antonutto G, Cautero M, Tam E, Ferretti G. Cardiovascular O₂ transport during submaximal exercise in humans after short-term bed rest. *Atti del 2° Convegno nazionale Biomedicina e Spazio*, 29-30 Marzo 2007, Bari.
54. **Capelli C**, Tosoratti E, Badano L, Fioretti PM, Cauci S. Sprint Triathlon Race does not induce Myocardial Dysfunction as assessed by Myocardial Deformation Imaging and Left Ventricle Torsion Analysis ACSM Annual Meeting, 30 Maggio - 2 Giugno 2007, New Orleans, USA, *Med. Sci. Sports Exerc.* 9(5 Suppl): S287, 2007.
55. Tam E, Fierravanti D, Moia C, Rossi H, Bernardelli C, Rosa G, **Capelli C**, Ferretti G. Running economy of elite east African runners. ACSM Annual Meeting, 28 - 31 Maggio 2008, Indianapolis, USA, *Med. Sci. Sports Exerc.* 40(5 Suppl): S67, 2008.
56. **Capelli C**. Artificial gravity as a countermeasure for cardiovascular deconditioning. Estratti del 59° Congresso SIF, 17-19 Settembre 2008, Villasimius (Ca), *Acta Physiol* 194 (S665): S11, p8.
57. Adami A, De Roia G, Pogliaghi S, **Capelli C**. "O₂ uptake and cardiac output kinetics during moderate and supra-maximal intensity exercise in humans." Estratti del 59° Congresso SIF, 17-19 Settembre 2008, Villasimius. *Acta Physiol*, 194 (suppl. 665): 18-19.
58. Vallais F, Aletti F, Baselli G, Tam E, Cautero M, Pagani M, **Capelli C**. Model Based Processing of Cardio Vascular Variability Applied to Bed-Rest Case Studies. Estratti del Congresso Computers in Cardiology, September 14 – 17, 2008, Bologna, Italia, 129 -132, 2008.
59. Marconi V, Adami A, **Capelli C**, Cevese A, De Roia GF, Ferretti G, Pogliaghi S, Schena F. Oxygen suppli and oxygen utilization in muscles after chronic exposure to hypobaric hypoxia. *Atti del 2009 Spring PaduaMuscleDays Terme Euganee & Padova*, April 26 – 28, 2009.
60. Adami A, Deroia G, Pogliaghi S, **Capelli C**. Kinetics of O₂ uptake and muscel deoxygenation durino moderate and supra maximal intensità cycling exercise in humans. *Atti del "14th Annual Congress European College of Sport Science"*. Oslo, 24 - 27 June 2009, P213.
61. Aletti F, Ferrario M, Tam E, Cautero M, Cerutti S, Capelli C, Baselli G. Identification of vascular responses to exercise and orthostatic stress in bed rest-induced cardiovascular deconditioning. *Atti del 31° Annual International Conference of the IEEE EMBS*, Minneapollis, Minnesota, USA, September 2 – 6, 2009, pp 5335 - 5338
62. Marconi V, Conte D, Bonetti P, Casentino A, Montagnana B, **Capelli C**. Metabolic cost of walking at different speeds in children with cerebral palsy. *Proceedings of the 18th Annual general meeting of ESMAC*, Londond, September17-19 2009, P143.
63. Adami A, **Capelli C**. Total, alactic and lactic O₂ deficit durino supramaximal cycling exercise in humans. 60th National Meeting IPS, Siena, 23-25 Settembre 2009.
64. Adami A, **Capelli C**. Total, alactic and lactic O₂ deficit during supramaximal cycling exercise in humans. *Abstracts of the 60th National Congress of the Italian Physiological Society SIF*, Siena, 23-25 September 2009. *Acta Physiol* 197 (S672): 19, 2009.
65. Cosentino A, Montagnana B, Bonetti P, Vangelista A, Recalcati M, Pinto F, Bendinelli M, Smania N, Marconi V, Conte D, **Capelli C**, Fiaschi A. Changes in locomotory functions after gait trainer regahbilitation training in patients affected by cerebral palsy. *Abstracts of the Xth Congress of the Italian Society of Clinical Movement Analysis- SIAMOC 2009*, Alghero, 1-3 Ottobre 2009. *Gait and Posture* 30 (S1): S35, 2009.
66. Bringard A, Pogliaghi S, Adami A, De Roia G, LAdor F, Lucini D, Pizzinelli P, **Capelli C**, Ferretti G. Maximal oxygen consumption in upright and supine posture at the end of prolonged

bed rest in humans. Book of abstract FEPS 2000, November 12-15 2009, Ljubljana, Slovenia, pp 226.

67. De Roia GF, **Capelli C**, Schena FF, Pogliaghi S. Aerobic training and heavy warm-up: effect on muscle oxidative metabolism in the elderly. ACSM Annual Meeting, 1 - 5 Giugno 2010, Baltimore, USA, *Med. Sci. Sports Exerc.* 42(5 Suppl): S18, 2010.
68. **Capelli C**, De Roia GF, Schena FF, Pogliaghi S. Isotonic training added to aerobic training and heavy warm-up: effect on muscle oxidative metabolism in the elderly. ACSM Annual Meeting, 1 - 5 Giugno 2010, Baltimore, USA, *Med. Sci. Sports Exerc.* 42(5 Suppl): S578, 2010.
69. **Capelli C**. Symposium on microgravity: Cardiovascular deconditioning and exercise capacity, Atti del Congresso SPASS, Lignano Sabbiadoro (UD) 5 – 9 Settembre, 2010, pp 18.
70. Adami A, Bringard A, Pogliaghi S, De Roia G, Lador F, Lucini D, Pizzinelli P, Pagani M, Simunic B, Pisot, R, **Capelli C**, Ferretti G. Cardiovascular responses to standing at the end of 35-day bed rest in humans. Atti del 61° Congresso della Società Italiana di Fisiologia, Varese 15 17 Settembre 2010, P177.
71. Tam E, Bruseghini P, Pogliaghi S, **Capelli C**. Can a short-term hiking training speed up V'O₂-on kinetic in healthy sedentary women? Atti del 63° Congresso della Società Italiana di Fisiologia, Verona 21 23 Settembre 2012, P149.
72. Calabria E, Pogliaghi S, Mazza ME, Dyark K, Bellotti C, Salvagno G, Mottes M, Guidi G, Bicciano S, Schiaffino S, Schena F, **Capelli C**. Immunosenescence and physical exercise: search for healthy ageing Atti del 63° Congresso della Società Italiana di Fisiologia, Verona 21 23 Settembre 2012, P38.
73. Pogliaghi S, Molesini M, **Capelli C**. Effect of recovery time, following moderate intensity exercise, on V'O₂-on kinetic in healthy males Atti del 63° Congresso della Società Italiana di Fisiologia, Verona 21 23 Settembre 2012, P178.
74. Bruseghini P, Calabria E, Tam E, Pogliaghi S, **Capelli C**. Effect of high-intensity-interval-training (HIT) on maximal aerobic power and ventilatory threshold in older adults. Atti del 64° Congresso della Società Italiana di Fisiologia, Portonovo, Ancona 18 - 20 Settembre 2013, P72.
75. Tam E, Bruseghini P, Calabria E, Milanese C, Pogliaghi S, Schena F, **Capelli C**. Effects of high-intensity-interval-training (HIT) on cardiovascular fitness and cardiometabolic risk in the elderly. ACSM Annual Meeting, 27 - 31 maggio 2014, Orlando, USA, *Med. Sci. Sports Exerc.* 46(Suppl 1 5S): S269, 2014.
76. Bruseghini P, **Capelli C**, Tam E, Pogliaghi S, Calabria E, Schena F, Annoni I, Galvani C. Physical activity accumulation in bouts and non-bouts and relation to cardiorespiratory fitness in older adults. ACSM Annual Meeting, 27 - 31 maggio 2014, Orlando, USA, *Med. Sci. Sports Exerc.* 46(Suppl 1 5S): S236, 2014.
77. Pogliaghi S, Tam E, **Capelli C**. Effect of incomplete recovery on V'O₂-on-kinetics during moderate-intensity exercise transitions in healthy humans. ACSM Annual Meeting, 27 - 31 maggio 2014, Orlando, USA, *Med. Sci. Sports Exerc.* 46 (Suppl 1 5S): S524, 2014.
78. Bruseghini P, Tam E, Calabria E, Pogliaghi S, Rossi A, **Capelli C**. Effects of High Intensity training and isoinertial training on intermuscular adipose tissue in older adults. Proceedings of the XX Congress of the European College of Sport Sciences, 24-27 June 2015, Malmö, S, P258 – P259.

79. Capelli C, Lopez S, Bourgois J, Tam E. Cardiovascular and metabolic responses during On-Water upwind sailing in optimist sailors. Proceedings of the XX Congress of the European College of Sport Sciences, 24-27 June 2015, P342.
80. Zandonai T, Bruseghini P, Tam E, Capelli C, Chiamulera C. Peripheral and central effects of smokeless tobacco on exercise endurance in men. Proceedings of the XX Congress of the European College of Sport Sciences, 24-27 June 2015, P528-P529.
81. Nardello F **Capelli C**, Schena F. Running economy, maximal muscular performance and muscle damage after long distance running. Proceedings of the VI Congress of SISMES, Naples 26-28 September, 2014. *Sport Sci Health* (Suppl 1) S9.
82. **Capelli C**, Tam E, V'O₂ kinetics in response to High-Intensity-Training (HIT) and isoinertial resistance training (IRT) in older, healthy men. Proceedings of the 65th Congress of the Italian Physiological Society, Anacapri 28-30 September 2014, P41.
83. Galvani C, Alberti M, El Goch M, **Capelli C**, Dalle Grave R. Physical activity associations with physical fitness in anorexia nervosa at baseline and after recovery. ACSM Annual Meeting, 276 - 30 maggio 2015, San Diego, USA, Med. Sci. Sports Exerc. 47 (Suppl 1 5S).
84. **Capelli C**. Effects of physical training and high altitude exposure on oxidative metabolism and muscle composition in humans. Symposium - 4: Cellular and physiological adaptations to physical training and detraining in hypoxia, Proceedings of the del 66th Annual Congress of the Italian Physiological Society, 16-18 September 2015, Genova, Italy, ISBN 9788894010527.
85. Calabria E, Dal Sacco L, Schena F, **Capelli C**, Tam E. EFFECT OF BEETROOT JUICE SUPPLEMENTATION ON MITOCHONDRIAL FITNESS IN HEALTHY ELDERLY MEN. Proceedings of the XXI Congress of the European College of Sport Sciences, 6-9 July, Vienna, A, 2017, S389.
86. Bruseghini P, Tam E, Calabria E, Pogliaghi S, **Capelli C**. EFFECT OF HIGH INTENSITY TRAINING AND ISOINERTIAL TRAINING ON MUSCLE FUNCTIONS IN OLDER ADULTS. Proceedings of the XXI Congress of the European College of Sport Sciences, 6-9 July, Vienna, A, 2017, S444.
87. **Capelli C**, Bruseghini P, Calabria E, Pogliaghi S, Tam E. EFFECT OF AEROBIC AND STRENGTH TRAINING ON GAS EXCHANGE KINETICS DURING MODERATE- AND HEAVYINTENSITY EXERCISE IN ELDERLY. Proceedings of the XXI Congress of the European College of Sport Sciences, 6-9 July, Vienna, A, 2017, S497.
88. Dal Sacco L, Calabria E, Spigolon G, Calosio A, **Capelli C**, Tam E. EFFECTS OF NITRATE ON O₂ COST OF EXERCISE IN HEALTHY ELDERLY MEN. Proceedings of the XXI Congress of the European College of Sport Sciences, 6-9 July, Vienna, A, 2017, S584-S585.