

E91/ja



European Journal of Applied Physiology

European Journal of Applied Physiology

Volume 113, Issue 3, March 2013

ISSN: 1439-6319 (Print) 1439-6327 (Online)

In this issue (31 articles)

1. Original Article

Effect of moderate-intensity work rate increment on phase II $\tau\dot{V}O_2$, functional gain and $\Delta[\text{HHb}]$

Matthew D. Spencer, Juan M. Murias... Pages 545-557

2. Original Article

Fatiguing handgrip exercise alters maximal force-generating capacity of plantar-flexors

Ashleigh Kennedy, François Hug, Heidi Sveistrup... Pages 559-566

3. Original Article

Variability of three-dimensional forces increase during experimental knee pain

Sauro E. Salomoni, Ashir Ejaz, Anders C. Laursen... Pages 567-575

4. Original Article

Power output in vertical jumps: does optimum loading depend on activity profiles?

Nemanja Pazin, Bobana Berjan... Pages 577-589

5. Original Article

Influence of end-expiratory level and tidal volume on gravitational ventilation distribution during tidal breathing in healthy adults

Silvia Schnidrig, Carmen Casaulta... Pages 591-598

6. Original Article

Impact reduction during running: efficiency of simple acute interventions in recreational runners

Marlène Giandolini, Pierrick J. Arnal... Pages 599-609

7. Original Article

Comparison between blood and urinary fluid balance indices during dehydrating exercise and the subsequent hypohydration when fluid is not restored

Nassim Hamouti, Juan Del Coso... Pages 611-620

8. Original Article

Concentrically trained cyclists are not more susceptible to eccentric exercise-induced muscle damage than are stretch–shortening exercise-trained runners

Audrius Snieckus, Sigita Kamandulis... Pages 621-628

9. Erratum

Erratum to: Concentrically trained cyclists are not more susceptible to eccentric exercise-induced muscle damage than are stretch–shortening exercise-trained runners

Audrius Snieckus, Sigita Kamandulis... Page 629

10. Original Article

Training-related modulations of the autonomic nervous system in endurance athletes: is female gender cardioprotective?

Monika Fürholz, Thomas Radtke, Laurent Roten... Pages 631-640

11. Original Article

Resistance training induced increase in muscle fiber size in young and older men

A. A. Mero, J. J. Hulmi, H. Salmijärvi... Pages 641-650

12. Original Article

Relation between efficiency and energy cost with coordination in aquatic locomotion

Pedro Figueiredo, Huub M. Toussaint... Pages 651-659

13. Original Article

Balance and gait performance after maximal and submaximal endurance exercise in seniors: is there a higher fall-risk?

Lars Donath, Lukas Zahner, Ralf Roth... Pages 661-669

14. Original Article

Symptoms of anxiety and mood disturbance alter cardiac and peripheral autonomic control in patients with metabolic syndrome

Edgar Toschi-Dias, Ivani C. Trombetta... Pages 671-679

15. Original Article

Acute anxiety increases the magnitude of the cold shock response before and after habituation

Martin James Barwood, Jo Corbett, Richard Green... Pages 681-689

16. Original Article

Effects of a high-carbohydrate versus high-protein meal on acute responses to hypoxia at rest and exercise

Keyne Charlot, Aurélien Pichon... Pages 691-702

17. Original Article

Distinctive bronchial inflammation status in athletes: basophils, a new player

Beatriz Sastre, Mar Fernández-Nieto... Pages 703-711

18. Original Article

Circulating hormone and cytokine response to low-load resistance training with blood flow restriction in older men

Stephen D. Patterson, Melanie Leggate... Pages 713-719

19. Original Article

Effects of caffeine on session ratings of perceived exertion

L. G. Killen, J. M. Green, E. K. O'Neal... Pages 721-727

20. Original Article

Oxygen consumption, oxygen cost, heart rate, and perceived effort during split-belt treadmill walking in young healthy adults

Jaimie A. Roper, Elizabeth L. Stegemöller... Pages 729-734

1. Original Article

Quantification of head sweating during rest and exercise in the heat

Catherine O'Brien, Bruce S. Cadarette Pages 735-741

2. Original Article

Sodium bicarbonate supplementation improves hypertrophy-type resistance exercise performance

Benjamin M. Carr, Michael J. Webster... Pages 743-752

3. Original Article

Inter-unit variability in two ParvoMedics TrueOne 2400 automated metabolic gas analysis systems

D. J. Macfarlane, H. L. Wu Pages 753-762

4. Original Article

Alterations in purine metabolism in middle-aged elite, amateur, and recreational runners across a 1-year training cycle

Jacek Zieliński, Krzysztof Kusy, Ewa Słomińska Pages 763-773

5. Original Article

Different responses of selected hormones to three types of exercise in young men

Keith A. Stokes, Kate L. Gilbert, George M. Hall... Pages 775-783

6. Original Article

Aortic distensibility is reduced during intense lower body negative pressure and is related to low frequency power of systolic blood pressure

Aaron A. Phillips, Shannon S. D. Bredin... Pages 785-792

7. Original Article

Betaine supplementation enhances anabolic endocrine and Akt signaling in response to acute bouts of exercise

Jenna M. Apicella, Elaine C. Lee... Pages 793-802

8. Original Article

Transient ischemic attacks from arterial gas embolism induced by glossopharyngeal insufflation and a possible method to identify individuals at risk

Tomas A. Schiffer, Peter Lindholm Pages 803-810

9. Original Article

The impact of increased blood lactate on serum S100B and prolactin concentrations in male adult athletes

Stefanie Schulte, Thorsten Schiffer... Pages 811-817

10. Letter to the Editor

Causes of elevated serum levels of S100B protein in athletes

Rosario Donato, Francesca Riuzzi, Guglielmo Sorci Pages 819-820

11. Letter to the Editor

Response to the Letter to the Editor of Sorci et al. "Causes of elevated serum levels of S100B protein in athletes"

Stefanie Schulte, Thorsten Schiffer... Pages 821-822