

Publikationen

Behrens, Martin; Gube, Martin; Chaabene, Helmi; Prieske, Olaf; Zenon, Alexandre; Broscheid, Kim-Charline et al. (2022): Fatigue and Human Performance: An Updated Framework. In: Sports Med. DOI: 10.1007/s40279-022-01748-2



Sports
Medicine

Bielitzki, R., Behrendt, T., Behrens, M., & Schega, L. (2022). Blutflussrestriktionstraining zur akuten und chronischen Schmerzreduktion in der orthopädischen Rehabilitation. B&G Bewegungstherapie Und Gesundheitssport, 38(03), 96–102.
> <https://doi.org/10.1055/a-1815-8426> (<https://doi.org/10.1055/a-1815-8426>)



B&G Bewegungstherapie
& Gesundheitssport
Prävention, Sporttherapie und Rehabilitation in Wissenschaft und Praxis

Behrendt, T., Bielitzki, R., Behrens, M., Glazachev, O. S., & Schega, L. (2022). Effects of Intermittent Hypoxia-Hyperoxia Exposure Prior to Aerobic Cycling Exercise on Physical and Cognitive Performance in Geriatric Patients-A Randomized Controlled Trial. Frontiers in Physiology, 13, 899096. > <https://doi.org/10.3389/fphys.2022.899096> (<https://doi.org/10.3389/fphys.2022.899096>)



 **frontiers**
in Physiology

Tiedemann, S., Menrad, T. & Witte, K. (2022). Application of Inertial Sensors to Identify Performance-Relevant Parameters Olympic Hammer Throw. International Journal of Environmental Research and Public Health, 19(9), 5412.
<https://doi.org/10.3390/ijerph19095402>



International Journal of *Environmental Research and Public Health*

Behrens, M. (2022). New insights into the effects of acute intermittent hypoxia on neural plasticity in the human motor system. *Experimental physiology*. Vorab-Onlinepublikation. <https://doi.org/10.1113/EP090462>

**Experimental
Physiology**

A Publication of The Physiological Society



Broscheid, K.-C., Behrens, M., Dettmers, C., Jöbges, M. & Schega, L. (2022). Effects of a 6-Min Treadmill Walking Test on Dual Task Gait Performance and Prefrontal Hemodynamics in People With Multiple Sclerosis. *Frontiers in neurology*, 13, 8229. <https://doi.org/10.3389/fneur.2022.822952>



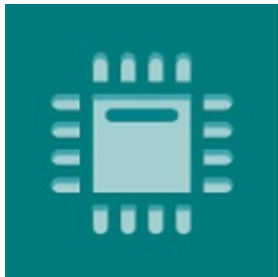
Bielitzki, R., Behrendt, T., Behrens, M., Schega, L. (2021). Current Methods for Practical Blood Flow Restriction Training: Systematic Review. *Journal of Strength and Conditioning Research*. DOI: 10.1519/JSC.000000000004104. [IF2020: 3.775]



Bielitzki, R., Behrendt, T., Behrens, M., Schega, L. (2021). Time to save time: Beneficial effects of blood flow restriction training and the need to quantify the time potentially saved by its application during musculoskeletal rehabilitation. *Physical Therapy Rehabilitation Journal*, DOI: 10.1093/ptj/pzab172. [IF2020: 3.021]



Sarshar, M., Polturi, S., Schega, L. (2021). Gait Phase Estimation by Using LSTM in IMU-Based Gait Analysis—Proof of Concept Sensors. DOI: 10.3390/s21175749. [IF2020: 3.576]



sensors