

Bakkarbeit: Spowi-/Lehramt

Spowi

- S1. Reliability of lower-limb morphological measures using magnetic resonance imaging (**Gonçalves**)
- S2. Effects of femoral on muscle forces and joint loading during sprinting (**Gonçalves**)
- S3. Influence of muscle morphology on load sharing in powerlifting movements (**Gonçalves, Kainz, Pürzel**)
- S4. Reliability of recruitment curve of lower-limb muscles (**Goncalves/Chetouani**)
- S5. Use of OpenPose in sports: a study case in climbing (experimental) (**Exel**)
- S6. Literature Review: Passing network / Social Network Analysis in Team Sports: Exploring Player Collaboration and Interaction (**Baca/Ma**)
- S7. Investigation of the temporal stability of performance indicators in football (**Baca/Bischofberger**)
- S8. Investigation of the dependence of performance indicators on the league in football (**Baca/Bischofberger**)
- S9. Systematic Review: Smartphone Apps for Physical activity (**Baca**)
- S10. Systematic Review: Wearables for Physical activity (**Baca**)
- S11. Reliability of bone segmentation and estimating hip joint contact area and pressure – 2 students (**Kainz**)
- S12. Finger strength assessments in climbing (experimental) (**Exel**)

Lehramt

- L1. Risk factors for the development of hip and knee pain in young athletes (review) (**Gonçalves**)
- L2. Influence of youth physical activity levels and lowerlimb torsional deformities (review) (**Gonçalves**)
- L3. Effects of sports participation on injury risk (review) (**Gonçalves**)
- L4. Neuromuscular factors affecting power production during dynamic movements (review) (**Gonçalves**)
- L5. Social network analysis for sports-related topics (review) (**Exel**)
- L6. Biomechanics and motor control during climbing (review) (**Exel**)
- L7. Basketball tactical performance (review) (**Exel**)
- L8. Literature Review: Passing network / Social Network Analysis in Team Sports: Exploring Player Collaboration and Interaction (**Baca/Ma**)
- L9. Reliability of bone segmentation and estimating hip joint contact area and pressure (**Kainz**)
- L10. Einsatz Künstlicher Intelligenz im Bus-Unterricht (Review) (**Baca**)
- L11. Einsatz von Virtual Reality im Bus-Unterricht (Review) (**Baca**)
- L12. Evaluierung der App „Move Improve“ zum Erlernen fundamentaler Bewegungsfertigkeiten (**Baca**)
- L13. Digitale Kompetenzen von Trainer:innen. Spowi/LA. quantitativ oder qualitative (**Baca/Dobiasch**)
- L14. Digitale Kompetenzen von BuS Lehrer:innen. LA. Qualitative (**Baca/Dobiasch**)
- L15. Vergleich verschiedener Werkzeuge zur Datenanalyse. Spowi/LA, Umfang der Möglichkeiten, Erlernbarkeit durch Studierende/Trainer:innen, Anwendbarkeit für Fragestellungen im Sport (**Baca/Dobiasch**)
- L16. 3D Modelle zur Vermittlung im BuS-Unterricht. LA (ev. auch Spowi). Literaturanalyse, ev. Experiment (**Baca/Dobiasch**)

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