

## First author in IF journals

**Stastny, P.**, Lehnert, M., De Ste Croix, M.B., Miroslav, P., Svoboda, Z., Maixnerova, E., Varekova, R., Botek, M., Petrek, M., Kocourkova, L., Cięższyk, P., (2019) The effect of COL5A1, GDF5 and PPARA genes on a movement screen and neuromuscular performance in adolescent team sport athletes. *Journal of Strength and Conditioning Research*. 33 (8), 2057-2065. IF: 2.325

**Stastny, P.**, Lehnert, M., & Tufano, J. J. (2018). Muscle Imbalances: Testing and Training Functional Eccentric Hamstring Strength in Athletic Populations. *JoVE (Journal of Visualized Experiments)*, (135), e57508. IF 1.184

**Stastny, P.**, Gołaś, A., Blazek, D., Maszczyk, A., Wilk, M., Pietraszewski, P., ... & Zając, A. (2017). A systematic review of surface electromyography analyses of the bench press movement task. *PloS one*, 12(2), e0171632. IF 2.766

**Stastny, P.**, Tufano, J. J., Golas, A., & Petr, M. (2016). Strengthening the gluteus medius using various bodyweight and resistance exercises. *Strength and conditioning journal*, 38(3), 91. IF 0.536

**Stastny, P.**, Maszczyk, A., Tománková, K., Kubový, P., Richtrová, M., Otáhal, J., ... & Cięższyk, P. (2015). Kinetic and Kinematic Differences in a Golf Swing in One and Both Lower Limb Amputees. *Journal of human kinetics*, 48(1), 33-41. IF 0.770

**Stastny, P.**, Lehnert, M., Zaatar, A. M., Svoboda, Z., & Xaverova, Z. (2015). Does the Dumbbell-Carrying Position Change the Muscle Activity in Split Squats and Walking Lunges?. *Journal of strength and conditioning research*, 29(11), 3177. IF 1.978

**Stastny, P.**, Lehnert, M., Zaatar, A., Svoboda, Z., Xaverova, Z., & Pietraszewski, P. (2015). The gluteus medius vs. thigh muscles strength ratio and their relation to electromyography amplitude during a farmer's walk exercise. *Journal of human kinetics*, 45(1), 157-165. IF 0.770

**Stastny, P.**, Lehnert, M., Zaatar, A., Svoboda, Z., Xaverova, Z., & Jelen, K. (2014). Knee joint muscles neuromuscular activity during load-carrying walking. *Neuroendocrinology Letters*, 35(7), 633-639. IF 0.799

## Coauthor

Vetrovsky, T., Steffl, M., **Stastny, P.**, & Tufano, J. J. (2018). The Efficacy and Safety of Lower-Limb Plyometric Training in Older Adults: A Systematic Review. *Sports Medicine*, 1-19. IF: 7.074

Jurik, R., & Stastny, P. (2019). Role of Nutrition and Exercise Programs in Reducing Blood Pressure: A Systematic Review. *Journal of clinical medicine*, 8(9), 1393. IF 5.688

Maciejewska-Skrendo, A., Buryta, M., Czarny, W., Król, P., Spieszny, M., Stastny, P., ... & Sawczuk, M. (2019). The Polymorphisms of the Peroxisome-Proliferator Activated Receptors' Alfa Gene Modify the Aerobic Training Induced Changes of Cholesterol and Glucose. *Journal of clinical medicine*, 8(7), 1043. IF 5.688

Tufano, J. J., Malecek, J., Steffl, M., **Stastny, P.**, Hojka, V., & Vetrovsky, T. (2018). Field-based and lab-based assisted jumping: unveiling the testing and training implications. *Frontiers in physiology*, 9. IF: 3.394

Petr, M., **Stastny, P.**, Zając, A., Tufano, J., & Maciejewska-Skrendo, A. (2018). The role of peroxisome proliferator-activated receptors and their transcriptional coactivators gene variations in human trainability: A systematic review. *International journal of molecular sciences*, 19(5), 1472. IF 3.687

Petr, M., Maciejewska-Skrendo, A., Zajac, A., Chycki, J., & **Stastny, P.** (2020). Association of Elite Sports Status with Gene Variants of Peroxisome Proliferator Activated Receptors and Their Transcriptional Coactivator. *International Journal of Molecular Sciences*, 21(1), 162.

Gonosova, Z., **Stastny, P.**, Belka, J., Bizovska, L., & Lehnert, M. (2018). Muscle strength variations of knee joint muscles in elite female handball players after pre-season conditioning. *Journal of human kinetics*, 63(1), 105-115. IF 1.017

Golas, A., Maszczyk, A., Pietraszewski, P., **Stastny, P.**, Tufano, J. J., & Zajac, A. (2017). Effects of pre-exhaustion on the patterns of muscular activity in the flat bench press. *The Journal of Strength & Conditioning Research*, 31(7), 1919-1924. IF: 2.060

Golas, A., Wilk, M., **Stastny, P.**, Maszczyk, A., Pajerska, K., & Zajac, A. (2017). Optimizing Half Squat Post Activation Potential Load In Squat Jump Training For Eliciting Relative Maximal Power In Ski Jumpers. *The Journal of Strength & Conditioning Research*. 31(11), 3010-3017. IF: 2.060

Wilk, M., Golas, A., **Stastny, P.**, Nawrocka, M., Krzysztofik, M., & Zajac, A. (2018). Does Tempo of Resistance Exercise Impact Training Volume?. *Journal of Human Kinetics*, 62(1), 241-250. IF 1.017

Lehnert, M., Croix, M. D. S., Xaverova, Z., Botek, M., Varekova, R., Zaatari, A., ... & **Stastny, P.** (2018). Changes in injury risk mechanisms after soccer-specific fatigue in male youth soccer players. *Journal of human kinetics*, 62(1), 33-42. IF: 1.017

Kokstajn, J., Musalek, M., Wolanski, P., Murawska-Cialowicz, E., & Stastny, P. (2019). Fundamental Motor Skills Mediate the Relationship Between Physical Fitness and Soccer-Specific Motor Skills in Young Soccer Players. *Frontiers in Physiology*, 10. IF: 3.394

Petr, M., **Stastny, P.**, Pecha, O., Šteffl, M., Šeda, O., & Kohlíková, E. (2015). Correction: PPARA Intron Polymorphism Associated with Power Performance in 30-s Anaerobic Wingate Test. *PloS one*, 10(7), e0134424. IF 3.097

Gołaś, A., Maszczyk, A., Pietraszewski, P., Wilk, M., **Stastny, P.**, Strońska, K., ... & Zajac, A. (2018). Muscular activity patterns of female and male athletes during the flat bench press. *Biology of sport*, 35(2), 175. IF: 1.729