

- Houtmeyers, K.C., Brink, M.S., Helsen, W.F., Haelewyn, N., Hagen, M., Jaspers, A., Vanrenterghem, J. (2022). A lab-based comparison of differential ratings of perceived exertion between a run and jump protocol involving low or high impacts on the lower extremities. *Eur J Sport Sci*, 1-14. doi: [10.1080/17461391.2022.2060136](https://doi.org/10.1080/17461391.2022.2060136)
- Bolckmans, S., Starkes, J.L., Towlson, C., Barnes, C., Parkin, G., Helsen, W.F. (2022). Leveling the Playing Field: A New Proposed Method to Address Relative Age- and Maturity-Related Bias in UK Male Academy Soccer Players. *Front Sports Act Living*, 4. doi: [10.3389/fspor.2022.847438](https://doi.org/10.3389/fspor.2022.847438)
- Luteberget, L., Houtmeyers, K., Vanrenterghem, J., Jaspers, A., Brink, M., Helsen, W. with Luteberget, L. (joint first author), Houtmeyers, K. (joint first author), Houtmeyers, K. (corresp. author) (2021). Load Monitoring Practice in Elite Women Association Football. *Frontiers in Sports and Active Living*, 3, Art.No. 715122, 1-7. doi: [10.3389/fspor.2021.715122](https://doi.org/10.3389/fspor.2021.715122) [Open Access](#)
- Houtmeyers, K., Vanrenterghem, J., Jaspers, A., Ruf, L., Brink, M., Helsen, W. with Houtmeyers, K. (corresp. author) (2021). Load Monitoring Practice in European Elite Football and the Impact of Club Culture and Financial Resources. *Frontiers in Sports and Active Living*, Art.No. 679824. doi: [10.3389/fspor.2021.679824](https://doi.org/10.3389/fspor.2021.679824) [Open Access](#)
- Helsen, W.F., Thomis, M., Starkes, J.L., Vrijens, S., Ooms, G., MacMaster, C., Towlson, C. (2021). Leveling the Playing Field: A New Proposed Method to Address Relative Age- and Maturity-Related Bias in Soccer. *FRONTIERS IN SPORTS AND ACTIVE LIVING*, 3, Art.No. ARTN 635379. doi: [10.3389/fspor.2021.635379](https://doi.org/10.3389/fspor.2021.635379) [Open Access](#)
- Brams, S., Ziv, G., Hooge, I.T.C., Levin, O., Verschakelen, J., Williams, A.M., Wagemans, J., Helsen, W.F. (2021). Training focal lung pathology detection using an eye movement modeling example. *JOURNAL OF MEDICAL IMAGING*, 8 (2), Art.No. ARTN 025501. doi: [10.1117/1.JMI.8.2.025501](https://doi.org/10.1117/1.JMI.8.2.025501)
- Drozdova-Statkevicienė, M., Česnaitienė, V., Levin, O., Pauwels, L., Pukėnas, K., Helsen, W.F., Staes, F., Masiulis, N. with Masiulis, N. (corresp. author) (2021). The beneficial effects of acute strength training on sway activity and sway regularity in healthy older men: evidence from a posturography study. *Neuroscience Letters*, 749, Art.No. 135718, 135718-135718. doi: [10.1016/j.neulet.2021.135718](https://doi.org/10.1016/j.neulet.2021.135718) (professional oriented) [Open Access](#)
- Houtmeyers, K., Jaspers, A., Brink, M., Vanrenterghem, J., Varley, M., Helsen, W. with Houtmeyers, K. (corresp. author) (2021). External load differences between elite youth and professional football players: ready for take-off? *Science and Medicine in Football*, 5 (1). doi: [10.1080/24733938.2020.1789201](https://doi.org/10.1080/24733938.2020.1789201)
- Gal, Z., Lidor, R., Brams, S., Helsen, W.F. with Ziv, G. (corresp. author) (2020). Gaze Behavior of Referees in Sport—A Review. *Frontiers in Sports and Active Living*, 2, Art.No. 572891. doi: [10.3389/fspor.2020.572891](https://doi.org/10.3389/fspor.2020.572891) [Open Access](#)
- Cavalho, V., Esteves, P.T., Nunes, C., Araújo, D., Helsen, W., Travassos, B. with Travassos, B. (corresp. author) (2020). Observe and make a call: football referee's assessment is context sensitive. *International Journal of Performance Analysis in Sport*, 982-993. doi: [10.1080/24748668.2020.1820194](https://doi.org/10.1080/24748668.2020.1820194)
- Spitz, J., Wagemans, J., Memmert, D., Williams, A.M., Helsen, W.F. (2020). Video assistant referees (VAR): The impact of technology on decision making in association football referees. *JOURNAL OF SPORTS SCIENCES*, 39 (2), 147-153. doi: [10.1080/02640414.2020.1809163](https://doi.org/10.1080/02640414.2020.1809163)
- Brams, S., Ziv, G., Hooge, I.T.C., Levin, O., De Brouwere, T., Verschakelen, J., Dauwe, S., Williams, A.M., Wagemans, J., Helsen, W.F. (2020). Focal lung pathology detection in radiology: Is there an effect of experience on visual search behavior? *ATTENTION PERCEPTION & PSYCHOPHYSICS*, 82 (6), 2837-2850. doi: [10.3758/s13414-020-02033-y](https://doi.org/10.3758/s13414-020-02033-y)
- Li, Z., Mao, L., Steingroever, C., Wattie, N., Baker, J., Schorer, J., Helsen, W.F. (2020). Relative age effects in Elite Chinese soccer players: Implications of the 'one-child' policy. *PLOS ONE*, 15 (2), Art.No. ARTN e0228611. doi: [10.1371/journal.pone.0228611](https://doi.org/10.1371/journal.pone.0228611) [Open Access](#)
- Helsen, W., Medic, N., Starkes, J.L., Williams, A.M. with Helsen, W. (corresp. author) (2020). The Constituent Year Effect in European Track and Field Masters Athletes: Evidence of Participation and Performance Advantages. *Journal of Aging and Physical Activity*, 28 (1), 63-72. doi: [10.1123/japa.2018-0439](https://doi.org/10.1123/japa.2018-0439) [Open Access](#)

- Brams, S., Ziv, G., Levin, O., Spitz, J., Wagemans, J., Williams, A.M., Helsen, W.F. (2019). The Relationship Between Gaze Behavior, Expertise, and Performance: A Systematic Review. *PSYCHOLOGICAL BULLETIN*, 145 (10), 980-1027. doi: [10.1037/bul0000207](https://doi.org/10.1037/bul0000207)
- Jaspers, A., Op De Beéck, T., Brink, M., Staes, F., Frencken, W., Davis, J., Helsen, W. with Op De Beéck, T. (joint first author), Davis, J. (joint last author), Jaspers, A. (corresp. author) (2019). Predicting Future Perceived Wellness in Professional Soccer: The Role of Preceding Load and Wellness. *International Journal of Sports Physiology and Performance*, 14 (8), 1074-1080. doi: [10.1123/ijsp.2017-0864](https://doi.org/10.1123/ijsp.2017-0864) [Open Access](#)
- Brams, S., Hooge, I.T.C., Ziv, G., Dauwe, S., Evens, K., De Wolf, T., Levin, O., Wagemans, J., Helsen, W.F. with Brams, S. (corresp. author) (2018). Does effective gaze behavior lead to enhanced performance in a complex error-detection cockpit task? *PLoS One*, 13 (11), Art.No. e0207439. doi: [10.1371/journal.pone.0207439](https://doi.org/10.1371/journal.pone.0207439) [Open Access](#)
- Spitz, J., Moors, P., Wagemans, J., Helsen, W. with MOORS, P.I.E.T.E.R. (joint first author), Spitz, J.O.C.H.I.M. (corresp. author) (2018). The impact of video speed on the decision-making process of sports officials. *Cognitive Research: Principles and Implications*, 3 (16). doi: [10.1186/s41235-018-0105-8](https://doi.org/10.1186/s41235-018-0105-8) [Open Access](#)
- Jaspers, A., Kuyvenhoven, J.P., Staes, F., Frencken, G.P., Helsen, W., Brink, M.S. (2018). Examination of the external and internal load indicators' association with overuse injuries in professional soccer players. *Journal of Science and Medicine in Sport*, 21 (6), 579-585. doi: [10.1016/j.jsams.2017.10.005](https://doi.org/10.1016/j.jsams.2017.10.005) [Open Access](#)
- Huttermann, S., Helsen, W.F., Put, K., Memmert, D. (2018). Does Visual Attention Impact on Decision Making in Complex Dynamic Events? *JOURNAL OF SPORT & EXERCISE PSYCHOLOGY*, 40 (3), 163-166. doi: [10.1123/jsep.2017-0169](https://doi.org/10.1123/jsep.2017-0169) [Open Access](#)
- Jaspers, A., Op De Beéck, T., Brink, M., Frencken, W., Staes, F., Davis, J., Helsen, W. (2018). Relationships between the external and internal training load in professional soccer: what can we learn from machine learning? *International Journal of Sports Physiology and Performance*. doi: [10.1123/ijsp.2017-0299](https://doi.org/10.1123/ijsp.2017-0299) [Open Access](#)
- Lavrysen, A., Levin, O., Boisgontier, M., Elliott, D., Helsen, W. (2018). Effects of wrist tendon vibration and eye movements on manual aiming. *Experimental Brain Research*, 236, 847-857. doi: [10.1007/s00221-018-5180-z](https://doi.org/10.1007/s00221-018-5180-z) [Open Access](#)
- Malone, J.J., Jaspers, A., Helsen, W., Merks, B., Frencken, W.G.P., Brink, M.S. (2018). Seasonal training load and wellness monitoring in a professional soccer goalkeeper. *International Journal of Sports Physiology and Performance*, 13 (5), 672-675. doi: [10.1123/ijsp.2017-0472](https://doi.org/10.1123/ijsp.2017-0472)
- Spitz, J., Put, K., Wagemans, J., Williams, A.M., Helsen, W. (2017). The role of domain-generic and domain-specific perceptual-cognitive skills in association football referees. *Psychology of Sport and Exercise*, 34, 47-56.
- Spitz, J., Put, K., Wagemans, J., Williams, A.M., Helsen, W. (2017). Does slow motion impact on the perception of foul play in football? *European Journal of Sport Science*, 17 (6), Art.No. [http://dx.doi.org/10.1080/17461391.2017.1304580](https://doi.org/10.1080/17461391.2017.1304580), 748-756.
- Steingröver, C., Wattie, N., Baker, J., Helsen, W., Schorer, J. (2017). Geographical Variations in the Interaction of Relative Age Effects in Youth and Adult Elite Soccer. *Frontiers in Psychology*, 8, Art.No. 278, 1-13. doi: [10.3389/fpsyg.2017.00278](https://doi.org/10.3389/fpsyg.2017.00278) [Open Access](#)
- Jaspers, A., Brink, M., Probst, S., Frencken, W., Helsen, W. (2017). Relationships between training load indicators and training outcomes in professional soccer. *Sports Medicine*, 47 (3), 533-544. doi: [10.1007/s40279-016-0591-0](https://doi.org/10.1007/s40279-016-0591-0)
- Varley, M., Jaspers, A., Helsen, W., Malone, J. (2017). Methodological considerations when quantifying high-intensity efforts in team sport using global positioning system technology. *International Journal of Sports Physiology and Performance*, 12 (8), 1059-1068. doi: [10.1123/ijsp.2016-0534](https://doi.org/10.1123/ijsp.2016-0534)
- Helsen, W., Baker, J., Schorer, J., Steingröver, C., Wattie, N., Starkes, J.L. (2016). Relative age effects in a cognitive task: A case study of youth chess. *High Ability Studies*, 27 (2), Art.No. [10.1080/13598139.2016.1242063](https://doi.org/10.1080/13598139.2016.1242063), 211-221.
- Spitz, J., Put, K., Wagemans, J., Williams, A.M., Helsen, W. (2016). Visual search behaviors of association football referees during assessment of foul play situations. *Cognitive Research: Principles and Implications*, 1 (12). doi: [10.1186/s41235-016-0013-8](https://doi.org/10.1186/s41235-016-0013-8) [Open Access](#)

- Helsen, W., Van Halewyck, F., Levin, O., Boisgontier, M., Lavrysen, A., Elliott, D. (2016). Manual aiming in healthy aging: Does proprioceptive acuity make the difference? *Age*, 38 (2), 45-45. [doi: 10.1007/s11357-016-9908-z](https://doi.org/10.1007/s11357-016-9908-z)
- Put, K., Wagemans, J., Pizzera, A., Williams, M., Spitz, J., Savelsbergh, G., Helsen, W. (2016). Faster, slower or real time? Perceptual-cognitive skills training with variable video speeds. *Psychology of Sport and Exercise*, 25, 27-35.
- Steingröver, C., Wattie, N., Baker, J., Helsen, W., Schorer, J. (2016). The interaction between constituent year and within-1-year effects in elite German youth basketball. *Scandinavian Journal of Medicine & Science in Sports*, 27 (6), 627-633. [doi: 10.1111/sms.12672](https://doi.org/10.1111/sms.12672) [Open Access](#)
- Put, K., Wagemans, J., Spitz, J., Williams, A.M., Helsen, W. (2016). Using web-based training to enhance perceptual-cognitive skills in complex dynamic offside events. *Journal of Sports Sciences*, 34 (2), 181-189. [Open Access](#)
- Van Halewyck, F., Lavrysen, A., Levin, O., Elliott, D., Helsen, W. (2015). The Impact of Age and Physical Activity Level on Manual Aiming Performance. *Journal of Aging and Physical Activity*, 23, 169-179.
- Van Halewyck, F., Lavrysen, A., Levin, O., Boisgontier, M., Elliott, D., Helsen, W. (2015). Factors underlying age-related changes in discrete aiming. *Experimental Brain Research*, 233, 1733-1744. [doi: 10.1007/s00221-015-4247-3](https://doi.org/10.1007/s00221-015-4247-3)
- Levin, O., Vanwanseele, B., Thijsen, J.R.J., Helsen, W., Staes, F., Duysens, J. (2015). Proactive and reactive neuromuscular control in subjects with chronic ankle instability: Evidence from a pilot study on landing. *Gait & Posture*, 41 (1), Art.No. 10.1016/j.gaitpost.2014.09.005, 106-111.
- Van Halewyck, F., Lavrysen, A., Levin, O., Boisgontier, M., Elliott, D., Helsen, W. (2014). Both age and physical activity level impact on eye-hand coordination. *Human Movement Science*, 36, 80-96. [Open Access](#)
- Put, K., Wagemans, J., Spitz, J., Armenteros Gallardo, M., Williams, M., Helsen, W. (2014). The use of 2D and 3D information in a perceptual-cognitive judgement task. *Journal of Sports Sciences*, 32 (18), 1688-1697. [doi: 10.1080/02640414.2014.912760](https://doi.org/10.1080/02640414.2014.912760)
- Spaas, J., Helsen, W., Adriaenssens, M., Broeckx, S., Duchateau, L., Spaas, J.H. (2014). Correlation between dichromatic colour vision and jumping performance in horses. *The Veterinary Journal*, 202 (1), 166-171.
- Put, K., Baldo, M., Cravo, A., Wagemans, J., Helsen, W. (2013). Experts in offside decision making learn to compensate for their illusory perceptions. *Journal of Sport & Exercise Psychology*, 35 (6), 576-584.
- Put, K., Wagemans, J., Jaspers, A., Helsen, W. (2013). Web-based training improves on-field offside decision-making performance. *Psychology of Sport and Exercise*, 14 (4), 577-585. [doi: 10.1016/j.psychsport.2013.03.005](https://doi.org/10.1016/j.psychsport.2013.03.005)
- Heremans, E., Vercruysse, S., Spildooren, J., Feys, P., Helsen, W., Nieuwboer, A. (2013). Evaluation of motor imagery ability in neurological patients: a review. *Movement and Sport Sciences*, 82, 31-38. [doi: 10.1051/sm/2013097](https://doi.org/10.1051/sm/2013097) [Open Access](#)
- Helsen, W., Baker, J., Michiels, S., Schorer, J., Van Winckel, J., Williams, A.M. (2012). The relative age effect in European professional soccer: Did ten years of research make any difference? *Journal of Sports Sciences*, 30 (15), Art.No. 10.1080/02640414.2012.721929, 1665-1671.
- Nackaerts, E., Wagemans, J., Helsen, W., Swinnen, S.P., Wenderoth, N., Alaerts, K. (2012). Recognizing Biological Motion and Emotions from Point-Light Displays in Autism Spectrum Disorders. *PLoS ONE*, 7 (9). [doi: 10.1371/journal.pone.0044473](https://doi.org/10.1371/journal.pone.0044473) [Open Access](#)
- Lavrysen, A., Heremans, E., Peeters, R., Wenderoth, N., Feys, P., Swinnen, S., Helsen, W. (2012). Hemispheric asymmetries in goal-directed hand movements are independent of hand preference. *NeuroImage*, 62 (3), 1815-1824. [Open Access](#)
- Heremans, E., D'hooge, A-M., De Bondt, S., Helsen, W., Feys, P. (2012). The relation between cognitive and motor dysfunction and motor imagery ability in patients with multiple sclerosis. *Multiple Sclerosis*, 18 (9), 1303-1309. [Open Access](#)
- Lavrysen, A., Heremans, E., Peeters, R., Wenderoth, N., Feys, P., Swinnen, S.P., Helsen, W.F. (2012). Hemispheric asymmetries in goal-directed hand movements are independent of hand preference. *NeuroImage*, 62 (3), 1815-1824. [doi: 10.1016/j.neuroimage.2012.05.033](https://doi.org/10.1016/j.neuroimage.2012.05.033)

- Heremans, E., Nieuwboer, A., Spildooren, J., De Bondt, S., D'hooge, A.M., Helsen, W., Feys, P. (2012). Cued motor imagery in patients with multiple sclerosis. *Neuroscience*, 206, 115-121.
- Nackaerts, E., Wagemans, J., Helsen, W., Swinnen, S., Wenderoth, N., Alaerts, K. (2012). Recognizing biological motion and emotions from point light displays in Autism Spectrum Disorders. *PLoS One*, 7 (9), 1-12. [doi: 10.1371/journal.pone.004473](https://doi.org/10.1371/journal.pone.004473) [Open Access](#)
- Heremans, E., Feys, P., Nieuwboer, A., Vercruysse, S., Vandenberghe, W., Sharma, N., Helsen, W. (2012). External cueing improves motor imagery quality in patients with Parkinson disease. *Neurorehabilitation and Neural Repair*, 26 (1), 27-35.
- Caballero, J., Ojeda, E., Garcia-Aranda, J., Mallo, J., Helsen, W., Sarmiento, S., Garcia-Manso, J., Navarro Valdi elso, M. (2011). Echocardiographic study of structure and functional cardiac profile of football referees. *Journal of Sports Medicine and Physical Fitness*, 51 (4), 633-638.
- Heremans, E., Engelsman, B., Caeyenberghs, K., Vercruysse, S., Feys, P., Nieuwboer, A., Helsen, W. (2011). Keeping an eye on imagery: the role of eye movements during motor imagery training. *Neuroscience*, 195, 37-44.
- Levin, O., Cuypers, K., Netz, Y., Thijs, H., Nuttin, B., Helsen, W., Meesen, R. (2011). Age-related differences in human corticospinal excitability during simple reaction time. *Neuroscience Letters*, 487 (1), 53-57.
- Heremans, E., Feys, P., Nieuwboer, A., Vercruysse, S., Vandenberghe, W., Sharma, N., Helsen, W. (2011). Motor imagery ability in patients with early- and mid-stage Parkinson's disease. *Neurorehabilitation & Neural Repair*, 25 (2), 168-177.
- Caballero, J., Ojeda, E., Garcia-Aranda, J., Mallo, J., Helsen, W., Sarmiento, S., Navarro, M., Garcia-Manso, J. (2011). Physiological profile of national-level Spanish soccer referees. *International Sportmed Journal*, 12 (2), 85-91.
- Feys, P., Helsen, W., Ilsbrouckx, S., Meurrens, T. (2011). Is MS Intention Tremor Amplitude Related to Changed Peripheral Reflexes? *ISRN neurology*, 2011, Art.No. 192414.
- Catteeuw, P., Gilis, B., Jaspers, A., Wagemans, J., Helsen, W. (2010). Training of perceptual-cognitive skills in offside decision-making. *Journal of Sport & Exercise Psychology*, 32 (6), 845-861.
- Catteeuw, P., Gilis, B., Wagemans, J., Helsen, W. (2010). Perceptual-cognitive skills in offside decision making: Expertise and training effects. *Journal of Sport & Exercise Psychology*, 32 (6), 828-844.
- Catteeuw, P., Gilis, B., Garcia-Aranda, J-M., Tresaco, F., Wagemans, J., Helsen, W. (2010). Offside decision making in the 2002 and 2006 FIFA World Cups. *Journal of Sports Sciences*, 28 (10), 1027-1032.
- Catteeuw, P., Gilis, B., Wagemans, J., Helsen, W. (2010). Offside decision making of assistant referees in the English Premier League: Impact of physical and perceptual-cognitive factors on match performance. *Journal of Sports Sciences*, 28 (5), 471-481. [doi: 10.1080/02640410903518184](https://doi.org/10.1080/02640410903518184)
- Catteeuw, P., Helsen, W., Gilis, B., Van Roie, E., Wagemans, J. (2009). Visual scan patterns and decision-making skills of expert assistant referees in offside situations. *Journal of Sport & Exercise Psychology*, 31, 786-797.
- Catteeuw, P., Helsen, W., Gilis, B., Wagemans, J. (2009). Decision-making skills, role-specificity, and deliberate practice in association football refereeing. *Journal of Sports Sciences*, 27 (11), 1125-1136. [doi: 10.1080/02640410903079179](https://doi.org/10.1080/02640410903079179)
- Weston, M., Castagna, C., Helsen, W., Impellizzeri, F. (2009). Relationships among field-test measures and physical match performance in elite-standard soccer referees. *Journal of Sports Sciences*, 27 (11), 1177-1184.
- Bizzini, M., Junge, A., Bahr, R., Helsen, W., Dvorak, J. (2009). Injuries and musculoskeletal complaints in referees and assistant referees selected for the 2006 FIFA World Cup - Retrospective and prospective survey. *British Journal of Sports Medicine*, 43, 490-497.
- Mallo, J., Navarro, E., Garcia Aranda, J.M., Helsen, W. (2009). Physical demands of top-class soccer assistant refereeing during high-standard matches. *International Journal of Sports Medicine*, 30 (5), 331-336. [doi: 10.1055/s-0029-1202339](https://doi.org/10.1055/s-0029-1202339)
- Feys, P., D'hooghe, M.B., Nagels, G., Helsen, W. (2009). The effect of levetiracetam on tremor severity and functionality in patients with multiple sclerosis. *Multiple Sclerosis*, 15 (3), 371-378.

- Heremans, E., Helsen, W., de Poel, H., Alaerts, K., Meyns, P., Feys, P. (2009). Facilitation of motor imagery through movement-related cueing. *Brain Research*, 1278, 50-8. [Open Access](#)
- Gilis, B., Helsen, W., Catteeuw, P., Van Roie, E., Wagemans, J. (2009). Interpretation and application of the offside law by expert assistant referees: Perception of spatial positions in complex dynamic events on and off the field. *Journal of sports sciences*, 27, 551-563. [doi: 10.1080/02640410802702178](#) [Open Access](#)
- Krustrup, P., Helsen, W., Randers, M.B., Christensen, J.F., MacDonald, C., Rebelo, A.N., Bangsbo, J. (2009). Activity profile and physical demands of football referees and assistant referees in international games. *Journal of Sports Sciences*, 27 (11), 1167-1176. [doi: 10.1080/02640410903220310](#)
- Mallo, J., Navarro, E., Aranda, J.M G., Helsen, W. (2009). Activity profile of top-class association football referees in relation to fitness-test performance and match standard. *Journal of Sports Sciences*, 27 (1), 9-17.
- Gilis, B., Helsen, W., Catteeuw, P., Wagemans, J. (2008). Offside decisions by expert assistant referees in association football: Perception and recall of spatial positions in complex dynamic events. *Journal of experimental psychology-applied*, 14 (1), 21-35. [Open Access](#)
- Lavrysen, A., Heremans, E., Peeters, R., Wenderoth, N., Helsen, W., Feys, P., Swinnen, S. (2008). Hemispheric asymmetries in eye-hand coordination. *Neuroimage*, 39 (4), 1938-1949. [doi: 10.1016/j.neuroimage.2007.10.007](#)
- Lavrysen, A., Heremans, E., Peeters, R., Wenderoth, N., Helsen, W.F., Feys, P., Swinnen, S.P. (2008). Hemispheric asymmetries in eye-hand coordination. *NeuroImage*, 39 (4), 1938-1949. [doi: 10.1016/j.neuroimage.2007.10.007](#)
- Feys, P., Helsen, W., Nuttin, B., Lavrysen, A., Ketelaer, P., Swinnen, S., Liu, X. (2008). Unsteady gaze fixation enhances the severity of MS intention tremor. *Neurology*, 70 (2), 106-113.
- Heremans, E., Helsen, W., Feys, P. (2008). The eyes as a mirror of our thoughts: Quantification of motor imagery of goal-directed movements through eye movement registration. *Behavioural Brain Research*, 187 (2), 351-360. [Open Access](#)
- Mallo, J., Navarro, E., Garcia-Aranda, J.M., Gilis, B., Helsen, W. (2008). Analysis of the kinematical demands imposed on top-class assistant referees during competitive soccer matches. *Journal of strength and conditioning research*, 22 (1), 235-242.
- Feys, P., Helsen, W., Nuttin, B., Lavrysen, A., Ketelaer, P., Swinnen, S., Liu, X. (2008). Unsteady gaze fixation enhances the severity of MS intention tremor. *Neurology*, 70 (2), 106-113. [doi: 10.1212/01.wnl.0000287071.51180.b1](#)
- Lavrysen, A., Buekers, M., Feys, P., Helsen, W., Elliott, D. (2007). Eye-hand coordination asymmetries in manual aiming. *Journal of motor behavior*, 39 (1), 9-18.
- Helsen, W., Gilis, B., Weston, M. (2007). Helsen, Gilis, and Weston (2006) do not err in questioning the optical error hypothesis as the only major account for explaining offside decision-making errors. *Journal of sports sciences*, 25 (9), 991-994.
- Mallo, J., Navarro, E., Garcia-Aranda, J-M., Gilis, B., Helsen, W. (2007). Activity profile of top-class association football referees in relation to performance in selected physical tests. *Journal of sports sciences*, 25 (7), 805-813.
- Feys, P., Helsen, W., Prinsmel, A., Ilsbroukx, S., Wang, S., Liu, X. (2007). Digitised spirometry as an evaluation tool for intention tremor in multiple sclerosis. *Journal of Neuroscience Methods*, 160 (2), 309-316.
- MacMahon, C., Helsen, W., Starkes, J.L., Weston, M. (2007). Decision-making skills and deliberate practice in elite association football referees. *Journal of sports sciences*, 25 (1), 65-78.
- Lavrysen, A., Helsen, W., Elliott, D., Buekers, M., Feys, P., Heremans, E. (2006). The type of visual information mediates eye and hand movement bias when aiming to a Müller-Lyer illusion. *Experimental brain research. Experimentelle Hirnforschung. Expérimentation cérébrale*, 174 (3), 544-54.
- Feys, P., Helsen, W., Verschueren, S., Swinnen, S., Klok, I., Lavrysen, A., Nuttin, B., Ketelaer, P., Liu, X. (2006). Online movement control in multiple sclerosis patients with tremor: effects of tendon vibration. *Movement Disorders*, 21 (8), 1148-1153. [doi: 10.1002/mds.20938](#)

- Weston, M., Bird, S., Helsen, W., Nevill, A., Castagna, C. (2006). The effect of match standard and referee experience on the objective and subjective match workload of English Premier League referees. *Journal of science and medicine in sport / Sports Medicine Australia*, 9 (3), 256-62.
- Helsen, W., Gilis, B., Weston, M. (2006). Errors in judging "offside" in association football: test of the optical error versus the perceptual flash-lag hypothesis. *Journal of sports sciences*, 24 (5), 521-8.
- Feys, P., Helsen, W., Buekers, M., Ceux, T., Heremans, E., Nuttin, B., Ketelaer, P., Liu, X. (2006). The effect of changed visual feedback on intention tremor in multiple sclerosis. *Neuroscience Letters*, 394 (1), 17-21.
- Gilis, B., Helsen, W., Weston, M. (2006). Interpretation and application of the laws of the game in football incidents leading to player injuries. *International Journal of Sport Psychology*, 37, 121-138.
- Feys, P., Maes, F., Nuttin, B., Helsen, W., Malfait, V., Nagels, G., Lavrysen, A., Liu, X. (2005). Relationship between multiple sclerosis intention tremor severity and lesion load in the brainstem. *Neuroreport*, 16 (12), 1379-1382.
- Helsen, W., Van Winckel, J., Williams, A.M. (2005). The relative age effect in youth soccer across Europe. *Journal of sports sciences*, 23 (6), 629-36.
- Feys, P., Helsen, W., Liu, X., Nuttin, B., Lavrysen, A., Swinnen, S., Ketelaer, P. (2005). Interaction between eye and hand movements in multiple sclerosis patients with intention tremor. *Movement disorders : official journal of the Movement Disorder Society*, 20 (6), 705-13.
- Feys, P., Helsen, W.F., Liu, X., Nuttin, B., Lavrysen, A., Swinnen, S.P., Ketelaer, P. (2005). Interaction between eye and hand movements in multiple sclerosis patients with intention tremor. *Movement Disorders*, 20 (6), 705-713. [doi: 10.1002/mds.20382](https://doi.org/10.1002/mds.20382)
- Feys, P., Helsen, W., Liu, X., Mooren, D., Albrecht, H., Nuttin, B., Ketelaer, P. (2005). Effects of peripheral cooling on intention tremor in multiple sclerosis. *Journal of Neurology, Neurosurgery and Psychiatry*, 76 (3), 373-9.
- Feys, P., Helsen, W., Liu, X., Lavrysen, A., Nuttin, B., Ketelaer, P. (2004). Effects of vision and arm position on amplitude of arm postural tremor in patients with multiple sclerosis. *Archives of Physical Medicine and Rehabilitation*, 85 (6), 1031-3.
- Helsen, W., Tremblay, L., Van Den Berg, M., Elliott, D. (2004). The role of oculomotor information in the learning of sequential aiming movements. *Journal of motor behavior*, 36 (1), 82-90.
- Helsen, W., Bultynck, J-B. (2004). Physical and perceptual-cognitive demands of top-class refereeing in association football. *Journal of sports sciences*, 22 (2), 179-89.
- Weston, M., Helsen, W., MacMahon, C., Kirkendall, D. (2004). The impact of specific high-intensity training sessions on football referees' fitness levels. *The American journal of sports medicine*, 32 (1).
- Feys, P., Helsen, W., Liu, X., Lavrysen, A., Loontjens, V., Nuttin, B., Ketelaer, P. (2003). Effect of visual information on step-tracking movements in patients with intention tremor due to multiple sclerosis. *Multiple sclerosis (Houndmills, Basingstoke, England)*, 9 (5), 492-502.
- Lavrysen, A., Helsen, W., Tremblay, L., Elliott, D., Adam, J.J., Feys, P., Buekers, M. (2003). The control of sequential aiming movements: the influence of practice and manual asymmetries on the one-target advantage. *Cortex*, 39 (2), 307-25.
- Feys, P., Helsen, W., Lavrysen, A., Nuttin, B., Ketelaer, P. (2003). Intention tremor during manual aiming: a study of eye and hand movements. *Multiple sclerosis (Houndmills, Basingstoke, England)*, 9 (1), 44-54.
- Feys, P., Davies-Smith, A., Jones, R., Romberg, A., Ruutiainen, J., Helsen, W., Ketelaer, P. (2003). Intention tremor rated according to different finger-to-nose test protocols: a survey. *Archives of Physical Medicine and Rehabilitation*, 84 (1), 79-82.
- Lavrysen, A., Helsen, W., Elliott, D.J., Adam, J.J. (2002). The one-target advantage: advanced preparation or online processing? *Motor control*, 6 (3), 230-45.
- Starkes, J.L., Helsen, W., Elliott, D. (2002). A ménage à trois: the eye, the hand and on-line processing. *Journal of sports sciences*, 20, 217-224.
- Savelberg, H.H C M., Adam, J.J., Verhaegh, R.H J., Helsen, W. (2002). Electromyographic pattern in fast goal-directed arm movements. *Journal of human movement studies*, 43, 121-133.
- Binsted, G., Chua, R., Helsen, W., Elliott, D. (2002). Eye-hand coordination in goal-directed aiming. *Human movement science*, 20 (4), 563-585.

- Cullen, J.D., Helsen, W., Buekers, M., Hesketh, K.L., Starkes, J.L., Elliott, D. (2001). The utilization of visual information in the control of reciprocal aiming movements. *Human movement science*, 20 (6), 807-28.
- Binsted, G., Chua, R., Helsen, W., Elliott, D. (2001). Eye-hand coordination in goal-directed aiming. *HUMAN MOVEMENT SCIENCE*, 20 (4-5), 563-585. doi: [10.1016/S0167-9457\(01\)00068-9](https://doi.org/10.1016/S0167-9457(01)00068-9)
- Helsen, W., Adam, J.J., Elliott, D., Buekers, M. (2001). The one-target advantage: - a test of the movement integration hypothesis. *Human movement science*, 20, 643-674.
- Adam, J.J., Helsen, W., Elliott, D., Buekers, M. (2001). The one-target advantage in the control of rapid aiming movements: - the effect of practice. *Journal of human movement studies*, 41 (4), 301-313.
- Elliott, D., Helsen, W., Chua, R. (2001). A century later: - Woodworth's (1899) two-component model of goal-directed aiming. *Psychological Bulletin*, 127 (3), 342-357.
- Mieschke, P.E., Elliott, D., Helsen, W., Carson, R.G., Coull, J.A. (2001). Manual asymmetries in the preparation and control of goal-directed movements. *Brain and Cognition*, 45 (1), 129-140.
- Helsen, W., Starkes, J.L., Van Winckel, J. (2000). Effect of a change in selection year on success in male soccer players. *American Journal of Human Biology*, 12 (6), 729-735.
- Buekers, M.J., Bogaerts, H.P., Swinnen, S.P., Helsen, W.F. (2000). The synchronization of human arm movements to external events. *Neuroscience Letters*, 290 (3), 181-184. doi: [10.1016/S0304-3940\(00\)01350-1](https://doi.org/10.1016/S0304-3940(00)01350-1)
- Buekers, M., Helsen, W. (2000). Vision and laterality: - does occlusion disclose a feedback processing advantage for the right hand system? *Cortex*, 36 (4), 507-519.
- Buekers, M., Bogaerts, H., Swinnen, S., Helsen, W. (2000). The synchronization of human arm movements to external events. *Neuroscience Letters*, 290 (3), 181-184.
- Helsen, W., Elliott, D., Starkes, J.L., Ricker, K.L. (2000). Coupling of eye, finger, elbow, and shoulder movements during manual aiming. *Journal of motor behavior*, 32 (3), 241-248.
- Helsen, W., Hodges, N.J., Van Winckel, J., Starkes, J.L. (2000). The roles of talent, physical precocity and practice in the development of soccer expertise. *Journal of sports sciences*, 18 (9), 727-736.
- Vanvenckenray, J., Buekers, M., Mendes, R.S., Helsen, W. (1999). Relearning movements: modification of an incorrectly timed reversal movement. *Perceptual and Motor Skills*, 89 (1), 195-203.
- Helsen, W., Starkes, J.L. (1999). A multidimensional approach to skilled perception and performance in sport. *Applied Cognitive Psychology*, 13, 1-27.
- Helsen, W., Starkes, J.L. (1999). A new training approach to complex decision making for police officers in potentially dangerous interventions. *Journal of Criminal Justice*, 27 (5), 395-410.
- Helsen, W., Starkes, J.L., Elliott, D., Buekers, M. (1998). Manual asymmetries and saccadic eye movements in right-handers during single and reciprocal aiming movements. *Cortex*, 34 (4), 513-529.
- Starkes, J., Helsen, W. (1998). Practice, practice, practice - Is that all it takes? *BEHAVIORAL AND BRAIN SCIENCES*, 21 (3), 425-+. doi: [10.1017/S0140525X98431236](https://doi.org/10.1017/S0140525X98431236)
- van Loon, E.M., Buekers, M., Helsen, W., Magill, R.A. (1998). Temporal and spatial adaptations during the acquisition of a reversal movement. *Research quarterly for exercise and sport*, 69 (1), 38-46.
- Helsen, W., Starkes, J.L., Van Winckel, J. (1998). The influence of relative age on success and dropout in male soccer players. *American Journal of Human Biology*, 10, 791-798.
- Helsen, W., Elliott, D., Starkes, J.L., Ricker, K.L. (1998). Temporal and spatial coupling of point of gaze and hand movements in aiming. *Journal of Motor Behavior*, 30 (3), 249-259.
- Helsen, W., Starkes, J.L., Elliott, D., Ricker, K.L. (1998). Sampling frequency and the study of eye-hand coordination in aiming. *Behavior Research Methods, Instruments & Computers*, 30 (4), 617-623.
- Helsen, W., Starkes, J., Hodges, N. (1998). Team sport and the theory of deliberate practice. *Journal of Sport & Exercise Psychology*, 20, 12-34.

Starkes, J., Helsen, W. (1998). Practice, practice, practice - is that all it takes ? Commentary. *Behavioural Brain Research*, 21 (3).

Helsen, W., Starkes, J.L., Buekers, M. (1997). Effects of target eccentricity on temporal costs of point of gaze and the hand in aiming. *Motor control: the international journal for the multidisciplinary study of voluntary movement*, 1, 161-177.

Buekers, M., Pauwels, J., Helsen, W., Wuyts, I., Serrien, D., Gevers, K. (1997). The effect of alcohol-intoxication on perceptual and decision in a choice reaction task. *Journal of sports sciences*, 15, 4-5.

Helsen, W., Pauwels, J.M. (1993). The Relationship between Expertise and Visual Information Processing in Sport. *Advances in Psychology*, 102 (C), 109-134. [doi: 10.1016/S0166-4115\(08\)61468-5](https://doi.org/10.1016/S0166-4115(08)61468-5)

Accepted Journal articles (peer reviewed)

Helsen, W., Levin, O., Ziv, G., Davare, M. (2016). Is a 'quiet eye' all it takes to be successful? Comment on Vickers. *Current Issues in Sport Science*, 1. doi: [10.15203/CISS_2016.109](https://doi.org/10.15203/CISS_2016.109) [Open Access](#)