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LIST OF PUBLICATIONS

A PEER-REVIEWED SCIENTIFIC ARTICLES

PUBLICATIONS AS FIRST AUTHOR

- A1.** Julkunen P, Kiviranta P, Wilson W, Jurvelin JS, Korhonen RK. Characterization of articular cartilage by combining microscopic structural and fibril-reinforced finite element analyses. *Journal of Biomechanics* 40(8):1862-1870, 2007.
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- A10.** Julkunen P, Harjula T, Iivarinen J, Marjanen J, Seppänen K, Närhi T, Arokoski J, Lammi MJ, Brama PA, Jurvelin JS, Helminen HJ. Biomechanical, biochemical and structural correlations in immature and mature rabbit articular cartilage, *Osteoarthritis and Cartilage*, 17(12):1626-1636, 2009.

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- A27.** Julkunen P. Mobile application for adaptive threshold hunting in transcranial magnetic stimulation. *IEEE Transactions on Neural Systems & Rehabilitation Engineering*, 27(8):1504-1510, 2019.

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- A55.** Zhang H, **Julkunen P**, Schröder A, Kelm A, Ille S, Zimmer C, Pitkänen M, Meyer B, Krieg SM, Sollmann N. Short-interval intracortical facilitation improves efficacy in nTMS motor mapping of lower extremity muscle representations in patients with supra-tentorial brain tumors. *Cancers*, 12(11):E3233, 2020.

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- A76.** Reijonen J, Säisänen L, Könönen M, Mohammadi A, **Julkunen P**. The effect of coil placement and orientation on the assessment of focal excitability in motor mapping with navigated transcranial magnetic stimulation. *Journal of Neuroscience Methods*, 331:108521, 2020.
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- A86.** Säisänen L, Könönen M, **Julkunen P**, Määttä S, Vanninen R, Immonen A, Jutila L, Kälviäinen R, Jääskeläinen JE, Mervaala E. Non-invasive preoperative localization of primary motor cortex in epilepsy surgery by navigated transcranial magnetic stimulation, *Epilepsy Research*, 92:134-144, 2010.
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