

## 2022

- 21 • **Souron R**, Carayol M, Martin V, Piponnier E, Duché P, Gruet M. Differences in time to task failure and fatigability between children and young adults. *SportRxiv (preprint version)*. 2022.

## 2021

- 20 • Brownstein C, Espeit L, Royer N, Ansdell P, Skarabot J, **Souron R**, Lapole T, Millet GY. Reductions in motoneuron excitability during sustained isometric contractions are dependent on stimulus and contraction intensity. *Journal of Neurophysiology*. 2021. 125(5):1636-1646.
- 19 • Macchi R, Vercruyssen F, Hays A, Aubert G, Exubis G, Chavet P, Goubert E, **Souron R**, Kunimasa Y, Nicol C. Sex influence on the functional recovery pattern after a graded running race: original analysis to identify the recovery profiles. *Frontiers in Physiology*. In press

## 2020

- 18 • **Souron R**, Morel J, Gergele L, Infantino P, Brownstein CG, Lapole T, Millet GY. Relationship between intensive care unit-acquired weakness, fatigability and fatigue: what role for the central nervous system? *Journal of Critical Care*. 2020. 62:101-10
- 17 • **Souron R**, Voirin AC, Kennouche D, Espeit L, Millet GY, Rupp T, Lapole T. Task failure during sustained low-intensity contraction is not associated with a critical amount of central fatigue. *Scandinavian Journal of Medicine & Science in Sports*. 2020. 30(12):2329-2341
- 16 • Coulondre C, **Souron R**, Rambaud A, Dalmais E, Espeit L, Neri T, Pinaroli A, Estour G, Millet GY, Rupp T, Féasson L, Edouard P, Lapole T. Local vibration training improves the recovery of quadriceps strength in early rehabilitation after anterior cruciate ligament reconstruction: a feasibility randomized controlled trial. *Annals of physical and rehabilitation medicine*. 2020. S1877-0657(20)30172
- 15 • Brownstein CG\*, **Souron R\***, Royer N, Singh B, Lapole T, Millet GY. Disparate kinetics of change in responses to electrical stimulation at the thoracic and lumbar level during fatiguing isometric knee extension. *Journal of Applied Physiology*. 2020. 128(1):159-67
- 14 • Trama R, Hautier C, **Souron R**, Lapole T, Foure A, Blache Y. Is accelerometry an effective method to assess muscle vibrations in comparison to ultrafast ultrasonography. *IEEE Transactions on Biomedical Engineering*. 2020.

## 2019

- 13 • **Souron R**, Baudry S, Millet GY, Lapole T. Vibration-induced depression in spinal loop excitability revisited. *The Journal of Physiology*. 2019. 597(21):5179-5193
- 12 • **Souron R**, Zambelli A, Espeit L, Besson T, Cochrane DJ, Lapole T. Active versus local vibration warm-up effects on knee extensors stiffness and neuromuscular performance of healthy young males. *Journal of Science and Medicine in Sport*. 2019. 22(2):206-11

## 2018

- 11 • **Souron R**, Oriol M, Millet GY, Lapole T. Intermediate Muscle Length and Tendon Vibration Optimize Corticospinal Excitability During Knee Extensors Local Vibration. *Frontiers in Physiology*. 2018. 9:1266
- 10 • **Souron R**, Nosaka K, Jubeau M. Changes in central and peripheral neuromuscular fatigue indices after concentric versus eccentric contractions of the knee extensors. *European Journal of Applied Physiology*. 2018. 118(4):805-816
- 9 • **Souron R**, Lapole T. Eight Weeks of Local Vibration Training Do Not Increase Tibialis Anterior Muscle Stiffness Evaluated by Supersonic Shear Imaging. *Innovation and Research in BioMedical engineering*. 2018. 39(5):291-4
- 8 • **Souron R**, Besson T, Lapole T, Millet GY. Neural adaptations in quadriceps muscle after 4 weeks of local vibration training in young versus older subjects. *Applied Physiology, Nutrition, and Metabolism*. 2018. 43(5):427-36

## 2017

- 7 • **Souron R**, Farabet A, Feasson L, Belli A, Millet GY, Lapole T. Eight weeks of local vibration training increases dorsiflexor muscle cortical voluntary activation. *Journal of Applied Physiology*. 2017. 122(6):1504-15
- 6 • **Souron R**, Besson T, Millet GY, Lapole T. Acute and chronic neuromuscular adaptations to local vibration training. *European Journal of Applied Physiology*. 2017. 117(10):1939-1964
- 5 • **Souron R**, Besson T, McNeil CJ, Lapole T, Millet GY. An Acute Exposure to Muscle Vibration Decreases Knee Extensors Force Production and Modulates Associated Central Nervous System Excitability. *Frontiers in Human Neuroscience*. 2017. 11:519
- 4 • Mira J, Lapole T, **Souron R**, Messonnier L, Millet GY, Rupp T. Cortical voluntary activation testing methodology impacts central fatigue. *European Journal of Applied Physiology*. 2017. 117(9):1845-1857

## 2016

- 3 • **Souron R**, Farabet A, Millet GY, Lapole T. Reliability of the functional measures of the corticospinal pathways to dorsiflexor muscles during maximal voluntary contractions. *Journal of the Neurological Sciences*. 2016. 369:368-374
- 2 • **Souron R**, Bordat F, Farabet A, Belli A, Féasson L, Nordez A, Lapole T. Sex differences in active tibialis anterior stiffness evaluated using supersonic shear imaging. *Journal of Biomechanics*. 2016. 49(14):3534-3537
- 1 • Farabet A, **Souron R**, Millet GY, Lapole T. Changes in tibialis anterior corticospinal properties after acute prolonged muscle vibration. *European Journal of Applied Physiology*. 2016. 116(6):1197-205