

Список **10 наиболее цитируемых публикаций** Pavlov Institute of Physiology Russian Academy of Sciences в базе **Scopus** на 21 августа 2018 г.

- 1.** Dimitrijevic, M.R., Gerasimenko, Y., Pinter, M.M. Evidence for a spinal central pattern generator in humans (1998) *Annals of the New York Academy of Sciences*, 860, pp. 360-376. DOI: 10.1111/j.1749-6632.1998.tb09062.x. **Cited 440 times.**
- 2.** Harkema, S., Gerasimenko, Y., Hodes, J., Burdick, J., Angeli, C., Chen, Y., Ferreira, C., Willhite, A., Rejc, E., Grossman, R.G., Edgerton, V.R. Effect of epidural stimulation of the lumbosacral spinal cord on voluntary movement, standing, and assisted stepping after motor complete paraplegia: A case study (2011) *The Lancet*, 377 (9781), pp. 1938-1947 DOI: 10.1016/S0140-6736(11)60547-3 **Cited 338 times.**
- 3.** Courtine, G., Gerasimenko, Y., Van Den Brand, R., Yew, A., Musienko, P., Zhong, H., Song, B., Ao, Y., Ichiyama, R.M., Lavrov, I., Roy, R.R., Sofroniew, M.V., Edgerton, V.R. Transformation of nonfunctional spinal circuits into functional states after the loss of brain input (2009) *Nature Neuroscience*, 12 (10), pp. 1333-1342. DOI: 10.1038/nn.2401. **Cited 320 times.**
- 4.** Angeli, C.A., Edgerton, V.R., Gerasimenko, Y.P., Harkema, S.J. Altering spinal cord excitability enables voluntary movements after chronic complete paralysis in humans (2014) *Brain*, 137 (5), pp. 1394-1409. DOI: 10.1093/brain/awu038. **Cited 195 times.**
- 5.** Mineev, I.R., Musienko, P., Hirsch, A., Barraud, Q., Wenger, N., Moraud, E.M., Gandar, J., Capogrosso, M., Milekovic, T., Asboth, L., Torres, R.F., Vachicouras, N., Liu, Q., Pavlova, N., Duis, S., Larmagnac, A., Voros, J., Micera, S., Suo, Z., Courtine, G., Lacour, S.P. // Electronic dura mater for long-term multimodal neural interfaces (2015) *Science*, 347 (6218), pp. 159-163. DOI: 10.1126/science.1260318 **Cited 189 times.**
- 6.** Harauzov, A., Spolidoro, M., DiCristo, G., De Pasquale, R., Cancedda, L., Pizzorusso, T., Viegi, A., Berardi, N., Maffei, L. Reducing intracortical inhibition in the adult visual cortex promotes ocular dominance plasticity (2010) *Journal of Neuroscience*, 30 (1), pp. 361-371. DOI: 10.1523/JNEUROSCI.2233-09.2010 **Cited 179 times.**
- 7.** Edgerton, V.R., Courtine, G., Gerasimenko, Y.P., Lavrov, I., Ichiyama, R.M., Fong, A.J., Cai, L.L., Otsoshi, C.K., Tillakaratne, N.J.K., Burdick, J.W., Roy, R.R. Training locomotor networks (2008) *Brain Research Reviews*, 57 (1), pp. 241-254. DOI: 10.1016/j.brainresrev.2007.09.002 **Cited 165 times.**
- 8.** Salomone, S., Caraci, F., Leggio, G.M., Fedotova, J., Drago, F. New pharmacological strategies for treatment of Alzheimer's disease: Focus on disease modifying drugs (2012) *British Journal of Clinical Pharmacology*, 73 (4), pp. 504-517. DOI: 10.1111/j.1365-2125.2011.04134.x **Cited 161 times.**
- 9.** Vovenko, E. Distribution of oxygen tension on the surface of arterioles, capillaries and venules of brain cortex and in tissue in normoxia: An experimental study on rats (1999) *Pflugers Archiv European Journal of Physiology*, 437 (4), pp. 617-623. DOI: 10.1007/s004240050825 **Cited 146 times.**
- 10.** Hollander, H., Makarov, F., Dreher, Z., van Driel, D., Chan-Ling, T., Stone, J. Structure of the macroglia of the retina: Sharing and division of labour between astrocytes and Muller cells (1991) *Journal of Comparative Neurology*, 313 (4), pp. 587-603. DOI: 10.1002/cne.903130405 **Cited 146 times.**