

**Publications of the Bogomoletz Institute of Physiology (by corresponding author)
in the field of Molecular and Cellular Neuroscience. (08.2016 – 07.2019)**

#	Title	Author(s) /Editor(s)	Journals	Impact Factor
1.	Acid-sensing ion channels regulate spontaneous inhibitory activity in the hippocampus: possible implications for epilepsy	Ievglevskiy, O.; Isaev, D.; Netsyk, O.; et al.	PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES Vol.: 371 Issue: 1700 Publ. AUG 2016	6.139
2.	A modulatory role of ASICs on GABAergic synapses in rat hippocampal cell cultures	Storozhuk, Maksim; Kondratskaya, Elena; et al.	MOLECULAR BRAIN Vol.: 9 Article Number: 90 Publ. OCT 2016	4.051
3.	Optimized Model of Cerebral Ischemia In situ for the Long-Lasting Assessment of Hippocampal Cell Death	Rybachuk, Oksana; Kopach, Olga; Krotov, Volodymyr; et al.	FRONTIERS IN NEUROSCIENCE V. 11 Article Number: 388 Publ. JUL 2017	3.648
4.	Opposite, bidirectional shifts in excitation and inhibition in specific types of dorsal horn interneurons are associated with spasticity and pain post-SCI	Kopach, Olga; Medvediev, Volodymyr; Krotov, Volodymyr; et al.	SCIENTIFIC REPORTS V. 7 Article Number: 5884 Publ. JUL 2017	4.011
5.	Functional Characterization of Lamina X Neurons in ex-Vivo Spinal Cord Preparation	Krotov, Volodymyr; Tokhtamysh, Anastasia; Kopach, Olga; et al.	FRONTIERS IN CELLULAR NEURO-SCIENCE V. 11 Article Number: 342 Publ. NOV 2017	3.9
6.	TRP Channels as Novel Targets for Endogenous Ligands: Focus on Endocannabinoids and Nociceptive Signalling	Storozhuk, Maksim V.; Zholos, Alexander V.	CURRENT NEUROPHARMACOLOGY V. 16 Issue: 2 P.: 137-150 Publ. 2018	4.568
7.	Maturation of neural stem cells and integration into hippocampal circuits - a functional study in an in situ model of cerebral ischemia	Kopach, Olga; Rybachuk, Oksana; Krotov, Volodymyr; et al.	JOURNAL OF CELL SCIENCE V. 131 Issue: 4 Article Number: UNSP jcs21098 Publ. FEB 2018	4.517
8.	Spinal PKC alpha inhibition and gene-silencing for pain relief: AMPAR trafficking at the synapses between primary afferents and sensory interneurons	Kopach, Olga; Krotov, Volodymyr; Shysh, Angela; et al.	SCIENTIFIC REPORTS V. 8 Article Number: 10285 Publ. JUL 2018	4.011
9.	Short-term hypoxia induces bidirectional pathological long-term plasticity of neurotransmission in visual retinocollicular pathway	Dumanska, Hanna; Veselovsky, Nickolai	EXPERIMENTAL EYE RESEARCH Volume: 179 Pages: 25-31Published: FEB 2019	3.152
Total Impact Factor				38