Institute of Cell Biology National Academy of Sciences of Ukraine

Department of Cell Signaling

Publications

2020

Published scientific articles:

all – **6**

Including articles in the international journals – **5**

Total impact factor – **22**

Publications:

1. Chen O, Manig F, Lehmann L, Sorour N, Löck S, Yu Z, Dubrovska A, Baumann M, Kessler BM, Stasyk O, Kunz-Schughart LA. Dual role of ER stress in response to metabolic co-targeting and radiosensitivity in head and neck cancer cells. *Cell Mol Life Sci.* 2020. doi: https://doi.org/10.1007/s00018-020-03704-7 (**IF – 7.03**) **Q1**
2. Dinger T., Chen O., Dittfeld C., Hetze L., Hüther M., Wondrak M., Löck S., Eicheler W., Breier G., Kunz-Schughart L. Microenvironmentally-driven plasticity of CD44 isoform expression determines engraftment and stem-like phenotype in CRC cell lines. *Theranostics.* 2020. Vol. 10, №17. P. 7599 – 7621. doi: https://doi.org/10.7150/thno.39893 (**IF – 8.02**) **Q1**
3. Karatsai O, Shliaha P, Jensen ON, Stasyk O, Rędowicz MJ. Combinatory Treatment of Canavanine and Arginine Deprivation Efficiently Targets Human Glioblastoma Cells via Pleiotropic Mechanisms. *Cells.* 2020, 9(10):2217. https://doi.org/10.3390/cells9102217 (**IF – 4.829) Q1**
4. Shuvayeva G.Y., Bobak Y.P., Vovk O.I., Kunz‑Schughart L.A., Fletcher M.T., Stasyk O.V. Indospicine combined with arginine deprivation triggers cancer cell death via caspase‑dependent apoptosis. *Cell Biol. Int.* 2020. doi: https://doi.org/10.1002/cbin.11321 (**IF – 2.130**) **Q2**
5. Hrushanyk NV, Stasyk OV, Stasyk OG. Oxidative stress regulation in the yeast *Ogataea Polymorpha* producer of human α-synuclein. *Ukr. Biochem. J.* 2020; Vol. 92, №5. P. 120-133. doi: https://doi.org/10.15407/ubj92.05.120

6. Hrushanyk N.V., Sarai I.A., Stasyk O.V., Stasyk O.G. Prooxidant-antioxidant balance in the methylotrophic yeast *Ogataea polymorpha* exposed to spermidine. *Biol. Stud.* 2020. V. 14, № 3. – P. 13–28. https://doi.org/10.30970/sbi.1403.628

Chapters in monographs:

1. Karatsai O., Stasyk O., Redowicz MJ. (2020) Effects of Arginine and Its Deprivation on Human Glioblastoma Physiology and Signaling. In: Barańska J. (eds) Glioma Signaling. Advances in Experimental Medicine and Biology, 1202:243-258. Springer, Cham https://link.springer.com/chapter/10.1007%2F978-3-030-30651-9_12