СЕРИЯ СТАТЕЙ

на соискание степени доктора философии Ph.D.

по образовательной программе «6D074000 – Наноматериалы и нанотехнологии»

ЖУМАДИЛОВА РАХЫМЖАНА ЕРБОЛСЫНҰЛЫ

Тема диссертации: «Исследование свойств углеродных наностен для разработки электронных устройств»

1. **Zhumadilov R.Y.,** Yerlanuly Y., Parkhomenko H.P., Soltabayev B., Orazbayev S.A., Bakenov Z., Ramazanov T.S., Gabdullin M.T., Jumabekov A.N. Carbon nanowall-based gas sensors for carbon dioxide gas detection// Nanotechnology – 2024 – Vol. 35, P. 165501 https://doi.org/10.1088/1361-6528/ad1a7e (Journal Impact Factor – 3.5, **Q2**, Percentile 80%)

2. Yerlanuly Y., Parkhomenko H.P., **Zhumadilov R.Ye.,** Nemkayeva R.R., Akhtanova G., Solovan M.M., Mostovyi A.I., Orazbayev S.A., Utegenov A.U., Ramazanov T.S., Gabdullin M.T., Jumabekov A.N., Brus V.V., Achieving stable photodiode characteristics under ionizing radiation with a self-adaptive nanostructured heterojunction CNWs/CdZnTe// Carbon – 2023 – Vol. 215, https://doi.org/10.1016/j.carbon.2023.118488 (Journal Impact Factor – 10.9, **Q1**, Percentile 96%)

3. **Zhumadilov R.Ye.,** Yerlanuly Y., Kondo H., Nemkayeva R.R., Ramazanov T.S., Hori M., Gabdullin M.T., Hydrogen peroxide sensing with nitrogen-doped carbon nanowalls// Sensing and Bio-Sensing Research – 2024 – Vol. 43, https://doi.org/10.1016/j.sbsr.2023.100614 (Journal Impact Factor – 5.3, Percentile 85%)

4. Yerlanuly Y., **Zhumadilov R.Y.,** Danko I.V., Janseitov D.M., Nemkayeva R.R., Kireyev A.V., Arystan A.B., Akhtanova G., Vollbrecht J., Schopp N., Nurmukhanbetova A., Ramazanov T.S., Jumabekov A.N., Oreshkin P.A., Zholdybayev T.K., Gabdullin M.T., Brus V.V., Effect of Electron and Proton Irradiation on Structural and Electronic Properties of Carbon Nanowalls// ACS Omega – 2022 – Vol. 7, P. 48467–48475 https://doi.org/10.1021/acsomega.2c06735 (Journal Impact Factor – 4.1, **Q2**, Percentile 72%)