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Publications

1. Ivanova-Rohling, V. N., Rohling, N., & Burkard, G. (2025). Reinforcement learning approach for finding exchange-only gate sequences for CNOT with optimized gate time. *EPJ Quantum Technol.* 12, 53
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3. Ivanova-Rohling, V. N., Burkard, G., & Rohling, N. (2021). Quantum state tomography as a numerical optimization problem. *New Journal of Physics*, 23(12), 123034. doi:10.1088/1367-2630/ac3c0e
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14. Krug, A. K., Gutbier, S., Zhao, L., Pörtl, D., Ivanova, V., et al. (2014). Transcriptional and metabolic adaptation of human neurons to the mitochondrial toxicant MPP+. *Cell Death & Disease*, 5, e1222.
15. Balmer, N. V., Klima, S., Rempel, E., Ivanova, V. N., Kolde, R., et al. (2014). From transient transcriptome responses to disturbed neurodevelopment: role of histone acetylation and methylation as epigenetic switch between reversible and irreversible drug effects. *Archives of Toxicology*, 88, 1451–1468.