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Publications

Journals

- Farzaneh Falahi, Shiva Akbari-Birgani, Yousef Mortazavi & Behrooz Johari , "Caspase-9 suppresses metastatic behavior of MDA-MB-231 cells in an adaptive organoid model", Scientific Reports , 2024, doi: [10.1038/s41598-024-65711-z](https://doi.org/10.1038/s41598-024-65711-z)
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- Soheila Mohammadi, Shiva Akbari-Birgani, Nasser Nikfarjam, Mahsa Rasekhian, "Polyethyleneimine-decorated graphene oxide quantum dot as a carrier for suicide gene delivery to the breast cancer three-dimensional model", Journal of Drug Delivery Science and Technology, 2023, doi: <https://doi.org/10.1016/j.jddst.2023.104849>



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- Neshat, Abdollah and Akbari-Birgani, Shiva and Cheraghi, Mahdi and Gilanchi, Shirin and Yousefshahi, Mohammad Reza, "A novel heteroleptic N-heterocyclic carbene gold (I)-borate complex: Synthesis, DFT analysis and cytotoxicity studies", *Inorganica Chimica Acta*, Vol. 539, NO. 5, 2022
- Sefidgar, E and Akbari-Birgani, SH, "The comparative study of growth and drug response of MCF-7 and MDA-MB231 human breast cancer cells in two-and three-dimensional culture", *Cell and Tissue Journal*, Vol. 13, NO. 2, 2022
- Davoodi-Monfared, Parviz and Akbari-Birgani, Shiva and Mohammadi, Saeed and Kazemi, Foad and Nikfarjam, Nasser and Nikbakht, Mohsen and Mousavi, Seyed Asadollah, "Synthesis, characterization, and in vitro evaluation of the



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