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Публикации

Статья

AI/ML modeling to enhance the capability of in vitro and in vivo tests in predicting human carcinogenicity

Ani Tevosyan, Hrach Yeghiazaryan, Gohar Tadevosyan, Lilit Apresyan, Vahe Atoyan, Anna Misakyan, Zaven Navoyan, Helga Stopper, Nelly Babayan, Lusine Khondkaryan

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Enhancing Chemical-Induced Human Carcinogenic Risk Evaluation through Advanced AI Technologies

Nelly Babayan, Helga Stopper, Lusine Khondkaryan, Ani Tevosyan, Gohar Tadevosyan, Lilit Apresyan, Lusine Adunts, Zaven Navoyan

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DNA DAMAGE INDUCED BY ULTRASHORT PULSED ELECTRON BEAM IRRADIATION IN HUMAN CANCER AND NORMAL CELLS

Alisa Manukyan, Nelly Babayan, Lusine Khondkaryan, Ruzanna Grigoryan, Natalya Sarkisyan, Tigran Harutyunyan, Bagrat Grigoryan, Rouben Aroutiounian

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Datasets Construction and Development of QSAR Models for Predicting Micronucleus In Vitro and In Vivo Assay Outcomes

Lusine Khondkaryan, Ani Tevosyan, Hayk Navasardyan, Hrant Khachatrian, Gohar Tadevosyan, Lilit Apresyan, Gayane Chilingaryan, Zaven Navoyan, Helga Stopper, Nelly Babayan

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Screening of phytochemicals, toxicities, and activities of three Dillenia species

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Improving VAE based molecular representations for compound property prediction

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Increased Yield of Residual γ H2AX Foci in p53-Deficient Human Lung Carcinoma Cells Exposed to Subpicosecond Beams of Accelerated Electrons

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Low Repair Capacity of DNA Double-Strand Breaks Induced by Laser-Driven Ultrashort Electron Beams in Cancer Cells

Nelly Babayan, Natalia Vorobyeva, Bagrat Grigoryan, Anna Grekhova, Margarita Pustovalova, Sofya Rodneva, Yuriy Fedotov, Gohar Tsakanova, Rouben Aroutiounian, Andreyan Osipov

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Ochratoxin A induces global DNA hypomethylation and oxidative stress in neuronal cells in vitro

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Laser Driven Ultrashort Pulsed Electron Beam Radiation at Doses of 0.5 and 1.0 Gy Induces Apoptosis in Human Fibroblasts

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Радиозащитный эффект креатина при повреждении ДНК мононуклеарных клеток периферической крови и адаптационные возможности креатин-креатинкиназной системы мозга и печени крыс

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Screening of phytochemicals and toxicity of medicinal plants, Dillenia species, reveals potential natural product resources

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PROTECTIVE EFFECTS OF SCHIFF BASE CYCLIC AMINO ACID DERIVATIVES AGAINST MYCOTOXINS GENO- AND CYTOTOXICITY

Tigran HARUTYUNYAN, Galina HOVHANNISYAN, Nelli BABAYAN, Thomas LIEHR, Arsen ARAKELYAN, Rouben AROUTIOUNIAN, Margarita MALAKYAN

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New doxorubicin nanosize composites' anticancer activity in vitro and in vivo

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Photodynamic activity and structure/activity relationship of new porphyrins in vitro as potential photosensitizers for application in photodynamic therapy of cancer

Angela A. Sargsyan, Sona V. Galstyan, Elen A. Hakobyan, Diana H. Vardanyan, Areg Galstyan,
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Genetic effects: DNA radiation damage and repair

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Neurotoxicity and epigenetic effects of ochratoxin a in vitro

Nelly Babayan, Gohar Tadevosyan, Lusine Khondkaryan, Ruzanna Grigoryan, Natalya Sarkisyan,
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The genotoxic and cytotoxic effects of ochratoxin a and t-2 toxin in rats bone marrow and blood cells

Harutyunyan Tigran, Hovhannisyan Galina, Babayan Nelli, Arakelyan Arsen, Aroutiounian Rouben

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Оценка повреждений и репарации ДНК при облучении сверхкороткими импульсами ускоренных электронов.

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DNA double-strand break repair efficiency in cancer cells exposed to laser-driven ultrashort electron beams

Andreyan Osipov, Nelly Babayan, Natalia Vorobyeva, Bagrat Grigoryan, Anna Chigasova-Grekhova,
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Biomedical applications of ultrafast beams: status and plans

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Neuronal cell lines as a model to investigate ochratoxin a neurotoxicity

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Genetic effects of ultrashort pulsed electron beam irradiation - 7 years of joint experience

Rouben Aroutiounian, Tigran Harutyunyan, Andrian Osipov, Natalya Vorobyeva, Galina Hovhannisyan,

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Differences in DNA Damage and Repair in Human Cancer and Normal Cells after Ultrashort Pulsed Electron Beam Irradiation

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Genotoxic effects of low LET irradiation by electron pulses in human cells

R.M. Aroutiounian, G.G. Hovhannisyan, N. S. Babayan, A.A. Sargsyan, B.A. Grigoryan, T. Liehr,

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Study of the Anti-Cancer Effect of Glycoglycerolipids Isolated from Microalgae

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