

Center for Mathematical and Applied Research

Machine Learning Laboratory

Group Leader

Publications

Article

Deep learning with synthetic data for wireless NLOS positioning with a single base station

Hrant Khachatrian, Rafayel Mkrtchyan, Theofanis P. Raptis

Ad Hoc Networks 2025 103696

Article

Vision Transformers for Efficient Indoor Pathloss Radio Map Prediction

Rafayel Mkrtchyan, Edvard Ghukasyan, Khoren Petrosyan, Hrant Khachatrian, Theofanis P. Raptis

Electronics (Switzerland) 2025 1905

Article

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

Toxics 2023 785

Article

Improving VAE based molecular representations for compound property prediction

Ani Tevosyan, Lusine Khondkaryan, Hrant Khachatrian, Gohar Tadevosyan, Lilit Apresyan,

Nelly Babayan, Helga Stopper, Zaven Navoyan

Journal of Cheminformatics 2022 69

Article

Deep Semi-Supervised Image Classification Algorithms: a Survey

Ani Vanyan, Hrant Khachatrian

Journal of Universal Computer Science 2021 1390 - 1407

Article

Some bounds on the number of colors in interval and cyclic interval edge colorings of graphs

Petros A. Petrosyan, Carl Johan Casselgren, Hrant H. Khachatrian

Discrete Mathematics 2018 627-637

<https://www.sciencedirect.com/science/article/pii/S0012365X17303837>

Article

Further results on the deficiency of graphs

P.A. Petrosyan, H.H. Khachatrian

Discrete Applied Mathematics 2017 117-126

<https://www.journals.elsevier.com/discrete-applied-mathematics/>

Conference

Interval edge colorings of Hamming graphs

Petros Petrosyan, Hrant Khachatryan

Conference

On Interval Edge-Colorings of Bipartite Graphs

Petros Petrosyan, Hrant Khachatryan, Tigran Mamikonyan
