

## Publications

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*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

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*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

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*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

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*Article*

**Deep Semi-Supervised Image Classification Algorithms: a Survey**

Ani Vanyan, Hrant Khachatrian

Journal of Universal Computer Science 2021 1390 - 1407

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*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>

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*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/>

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*Conference*

**Interval edge colorings of Hamming graphs**

Petros Petrosyan, Hrant Khachatrian

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*Conference*

**On Interval Edge-Colorings of Bipartite Graphs**

