

## Publications

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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 Khachatryan, 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 Khachatryan, 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 Khachatryan  
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. Khachatryan  
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. Khachatryan  
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 Khachatryan

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*Conference*

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

Petros Petrosyan, Hrant Khachatryan, Tigran Mamikonyan

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