

Publications

Article

Bridging the sim-to-real gap in RF localization with large-scale synthetic pretraining

Armen Manukyan, Rafayel Mkrtchyan, Ararat Saribekyan, Theofanis P. Raptis, Hrant Khachatrian

Information Fusion 2026 104104

<https://www.scopus.com/pages/publications/105026611337?origin=resultslist>

Article

Interval Edge-Colorings of Cartesian Products of Graphs II

Petros A. Petrosyan, Hrant H. Khachatrian, Hovhannes G. Tananyan

Bulletin of the Malaysian Mathematical Sciences Society 2026 25

<https://doi.org/10.1007/s40840-026-02096-4>

Article

Fusion of pervasive RF data with spatial images via vision transformers for enhanced mapping in smart cities

Rafayel Mkrtchyan, Armen Manukyan, Hrant Khachatrian, Theofanis P. Raptis

Pervasive and Mobile Computing 2026 102261

<https://doi.org/10.1016/j.pmcj.2026.102261>

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 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

Article

Deep Semi-Supervised Image Classification Algorithms: a Survey

Ani Vanyan, Hrant Khachatryan

JUCS - 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. Khachatryan

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. Khachatryan

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

2015 134

<http://kg15.herokuapp.com/>

Conference

On Interval Edge-Colorings of Bipartite Graphs

Petros Petrosyan, Hrant Khachatryan, Tigran Mamikonyan

2015 71-76

<http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=7321956>
