

Aleksandr Armen Hayrapetyan

Research Institute of Physics
Junior Researcher

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🎓 Education

Institution	Yerevan State University
Faculty	Faculty of Physics, Department of Optics
Date	2021 - 2023
Degree name	PhD student

Institution	American University of Armenia
Faculty	Akian College of Science and Engineering
Date	2020 - 2022
Degree name	Masters

Institution	Yerevan State University
Faculty	Faculty of Physics, Department of Optics
Date	2019 - 2021
Degree name	Masters

Institution	Yerevan State University
Faculty	Faculty of Physics, Department of Optics
Date	2015 - 2019
Degree name	Bachelor

🌐 Language skills

English Русский

🔬 Scientific interests

- Laser physics
- Machine learning
- Deep learning
- Physics of liquid crystals
- Optics

👥 Membership

Institution	Scientific Council of the Faculty of Physics
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Period of time 2018 - 2023

Institution Student Scientific Society of the Faculty of Physics

Period of time 2016 - 2023



Publications

Article

Light-controllable liquid crystal platform for microparticle oscillations and transport

Sergey Shvetsov, Tetiana Orlova, Aleksandr Hayrapetyan, Alexey Vasil'ev, Mushegh Rafayelyan

Soft Matter 2024 6920-6928

Article

The Rouse Model of Viscoelasticity and Diffusion Behavior of Chromatin

Stepanyan V. A., Hayrapetyan A. A., Mamasakhlisov E.S

Journal of Contemporary Physics (Armenian Academy of Sciences) 2020 254-258
