

Aleksandr Armen Hayrapetyan

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Research Institute of Physics

Ֆոտոնիկայի և արհեստական բանականության լաբորատորիա
Junior Researcher

Education

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

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

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

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| 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
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
