

Anastasia Nikitina

Curriculum Vitae

Faculty of Physics, ITMO University
Saint-Petersburg, Russia
✉ anastasia.nikitina@metalab.ifmo.ru
ID 0000-0002-0396-2761
SC 57325526200
R⁶ Anastasia Nikitina



Education

- 2019–present **B.Sc. in Physics**, *ITMO University, Saint-Petersburg*.
Thesis title: “Circular dichroism in the second-harmonic signal of single dielectric nanostructures”
- 2017–2019 **High school student**, *Presidential Physics and Mathematics Lyceum No.239, Saint-Petersburg*.
Russia's best school from 2015 to 2017 (top-5 from 2011 – now)

Working Experience

Research

- 2021–present **Laboratory assistant**, *Faculty of Physics, ITMO University, Saint-Petersburg*.
Dr. Mihail Petrov's Group

Participation in Conferences

- Oct.2022 **XV Russian Conference on Physics of Semiconductors**, *Nizhny Novgorod*, Poster “Nonlinear circular dichroism in dielectric nanoparticle dimers and trimers”, Section: Photonic crystals, Microcavities and Metamaterials, Nanophotonics, Quantum optics.
Diploma
- May.2022 **Saint-Petersburg OPEN 2022**, *HSE University*, Poster “Nonlinear circular dichroism in dielectric nanoparticle dimers and trimers”, Section: Nanophotonics, Spectroscopy, Microcavities, Optics, Plasmonics.
Diploma

Publications

Journal Articles

- 2022 Mariia Tsimokha, Vladimir Igoshin, **Anastasia Nikitina**, Ivan Toftul, Kristina Frizyuk, and Mihail Petrov. Acoustic resonators: Symmetry classification and multipolar content of the eigenmodes. *Phys. Rev. B*, volume 105, page 165311. American Physical Society, 2022, (**IF: 3.908, Q1**).

Conference Proceedings

- 2021 Vladimir Igoshin, **Anastasia Nikitina**, Mariia Tsimokha, Ivan Toftul, Mihail Petrov, and Kristina Frizyuk. High-Q states in acoustic apple-shaped resonators. *J. Phys. Conf. Ser.*, volume 2015, page 012040. IOP Publishing, 2021.

Awards

- 2022 Enhanced State Academic **Scholarship** for achievements in the research field
- 2020 **X YOUTH AWARD competition finale**, *National University of Science and Technology MISiS*, “Quantum Physics in Bouncing Droplets”.
Diploma

Academic Achievements & Recognitions

- 2020 **ITMO News**, Smart Cane and Quantum Physics In Water Drops: Projects by ITMO Students at Youth Awards in Science and Innovations Finals
- 2020 **Habr, ITMO corporate blog**, What Droplets in a Cup of Coffee and Quantum Mechanics Have in Common

Computer skills

- Modelling COMSOL Multiphysics
Illustrations Adobe Illustrator, Inkscape

Other Achievements & Hobbies

- Sports Ice hockey (received the First Sport Grade), Figure skating (received the Second Sport Grade), Badminton, Orienteering, Swimming
- Languages German (B2)

Referees

Dr. Mihail Petrov

Assistant Professor

Faculty of Physics

ITMO University

✉ trisha.petrov@gmail.com