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Research Institute of Physics
Կոնդենսացված վիճակի ֆիզիկայի կենտրոն
Junior Researcher

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Junior Researcher

Education

Institution	Yerevan State University
Faculty	Physics
Date	2021 - 2023
Degree name	Masters

Institution	Yerevan State University
Faculty	Physics
Date	2017 - 2021
Degree name	Bachelor

Language skills

Հայերեն Русский English

Work experience

Institution	Research and Educational Group for Modeling and Simulation of Nanostructures, Center for Condensed Matter Physics, Research Institute of Physics, Yerevan State University
Period of time	2023 till now
Rank/degree	Junior researcher

Publications

Article

Enhanced efficiency of intermediate-band semiconductor solar cells embedded with quantum dot superlattices

Naira Petrosyan, Lilit Yeganyan, Aram Manaselyan, Vram Mughnetsyan, Vidar Gudmundsson, Albert Kirakosyan

Physics Letters A 2026 131639

https://doi.org/10.1016/j.physleta.2026.131639

Article

CALCULATIONS OF THE INTERBAND TRANSITION ELECTRON ENERGIES OF THE CDSE/CDS COLLOIDAL CORE-SHELL QUANTUM DOTS

Naira PETROSYAN, Aram MANASELYAN

NANOCOM ... 2024 198700/ 136-141

Conference

ELECTRONIC AND OPTICAL PROPERTIES OF CdSe/CdS COLLOIDAL CORE-SHELL QUANTUM DOTS

PETROSYAN Naira, MANASELYAN Aram

2023 84 - 84

https://www.confer.cz/nanocon/2023

Conference

Electronic and optical properties of CdSe/CdS colloidal core-shell quantum dots

Naira Petrosyan, Aram Manaselyan

2023 105 - 105

https://photonicsai.com/optics11/
