

**Full Name:**

Kveglis Lyudmila Iosifovna

Position (Department):

Professor

Educational Background

Tomsk State University, Metal Physics, 1967

Academic Degree:

Doctor of Physical and Mathematical Sciences

Academic Title:

Associate Professor

Teaching experience:

58 years

Courses Taught:

Composite Materials, Nuclear Magnetic Resonance (NMR), Dosimetry and Radiation Protection, Nuclear Power at Low Energies, Theory of Nuclear Reactions, Nuclear Safety and Radioactive Waste Storage Technology

Research interests:

Structural Transformations in Solids, Electron-Nuclear Interactions, Quantum Entanglement

Publication and Articles:

Магнитные свойства кластеров Ni-Ti нижнего иерархического уровня - Chemical Physics Letters. 2019

Появление ферромагнетизма в наночастицах керамики со структурой перовскита BeTiO_3 - Журнал "Функциональные материалы" - 28 января 2020, г.Москва, РФ

The Modeling of Structure BeO+TiO₂ Ceramics - Inorganic Materials: Applied Research, 2021, Vol. 12, No. 1, pp. 88–93. Pleiades Publishing, Ltd.

Study of the copper structure samples exposed to extreme influences - DOI: <https://doi.org/10.31489/2024ph1/73-82>

Phases, Microstructure and Magnetic Properties in a Severely Deformed Cr-Ni-Al Alloy - Journal of Superconductivity and Novel Magnetism <https://doi.org/10.1007/s10948-023-06567-8> Springer 2023

Investigation of the Processes of Structure Formation during Explosion Welding of Copper and Molybdenum - <https://www.mdpi.com/journal/crystals> CRYSTALS 2023

Local electron structure and magnetization FeMnC - Superlattices and Microstructures Volume 46, Issues 1–2, July–August 2009, Pages 114–120 <https://doi.org/10.1016/j.spmi.2008.11.023>

Temperature Superconductors with a Porous Structure - Technical Physics Letters, Vol. 29, No. 12, 2003, pp. 986–988.

Translated from Pis'ma v Zhurnal Tekhnicheskoy Fiziki, Vol. 29, No. 23, 2003, pp. 40–45. Original Russian Text Copyright

Мартенситные превращения в никелиде титана через промежуточную фазу с ГЦК-решеткой - Физическая мезомеханика 2016, 19,2,100-107 Nauka/Interperiodica

Changes in Mechanical Properties, Structure and Phase Composition of 47CrNiMo Industrial Alloy after Aging - Известия АлтГУ. Физика. 2024. № 4 (138)

“Icosahedral Clusters and Structural Analysis of the Interaction Zones of Copper and Molybdenum Formed under Pressure” - 10 th Annual Conference of AnalytiX-2024, hosted by World High Technology Society, which will be held during April 22-24, 2024 in Japan

The comparison of Ni-based alloys with superplasticity - 11 th Annual Conference of AnalytiX-2025, hosted by World High Technology Society, which will be held during April 22-25, 2025 in Japan

Структурообразование в образцах оксида висмута при воздействии синхротронного излучения - [https://doi.org/10.14258/izvasu\(2022\)1-10](https://doi.org/10.14258/izvasu(2022)1-10) Published: 18 March 2022 in Izvestiya of Altai State University

Phases, Microstructure and Magnetic Properties in a Severely Deformed Cr-Ni-Al Alloy - Journal of Superconductivity and Novel Magnetism JOSC-D-23-00105 2023 Springer

ИССЛЕДОВАНИЕ СТРУКТУРЫ МЕДНЫХ ОБРАЗЦОВ, ПОДВЕРГНУТЫХ ЭКСТРЕМАЛЬНЫМ ВОЗДЕЙСТВИЯМ - SCIENCE AND EDUCATION IN THE MODERN WORLD: CHALLENGES OF THE XXI CENTURY" ASTANA, KAZAKHSTAN, FEBRUARY 2023, p 47

Features of Solid-Phase Transformations Initiated by Mechanical Shock - Международный научный журнал Endless Light in Science. – № 1. – Астана, 2024.

Comparison of the structure of grain boundaries and properties of superplastic 40HNU, 47HNM, and 67KN5B alloys - Springer 8/4 International Publishing, 1, 2025 Scopus, WoS)

Nanocrystalline cobalt films prepared under ultrafast condensation conditions - Physics of the Solid State, 40, 11, 1878–1883 Издатель Nauka/Interperiodica

Electron-beam-initiated crystallization of iron-carbon films – Журнал Physics of the Solid State и 2004/5, 46, 969–974 Издатель Nauka/Interperiodica

СПЛАВЫ ЖЕЛЕЗО-МАРГАНЕЦ-УГЛЕРОД С АНОМАЛЬНЫМ ОБЪЕМОМ КРИСТАЛЛИЧЕСКОЙ РЕШЕТКИ - Известия Российской академии наук. Серия физическая 2008, 72, Номер 8, 1235–1237

Abnormally fast migration of substance at shock loadings - Advanced Materials Research, 2014, 3, 12, 871, 231–234 Издатель Trans Tech Publications Ltd