

A list of the main scientific results that made it possible to achieve the impact of

1. Implementation of designs of components and parts of railroad transport.
2. Improvement of manufacturing technologies and quality of rolling stock parts and components.

The main activity of the research laboratory, which makes an impact on the development of advanced science, is to carry out scientific and experimental research on components and parts of railway vehicles. A significant part of the results of scientific and experimental research carried out by the laboratory is aimed at improving the design of components and parts of railroad transport, assessing the stability of manufacturing technology and quality of critical parts of railway vehicles in order to improve and enhance modern designs and manufacturing technologies.

In 2020-2024, the research laboratory obtained the following main scientific results:

- 1 article indexed in Scopus and/or WoS in a Q2 scientific journal was published;
- 2 articles were published in professional scientific journals of Ukraine of category B;
- 4 research reports were developed and finalized.

The results of scientific research were tried out at international scientific and practical conferences: “Actual problems and prospects of innovative development of economy and technology in the context of Ukraine's integration into the European Research and Production Area” and ‘Structural Relaxation in Solids’. Based on the results of the conference, 5 abstracts were published.

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