



Exclusive Feature Papers of *Quantum Reports* in 2024–2025

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Message from the Guest Editor

We are pleased to announce the new Special Issue “Exclusive Feature Papers of *Quantum Reports* in 2024–2025”, a collection of significant high-quality papers (original research articles or comprehensive review papers) published in an open access format by editorial board members or leading scholars invited by the editorial board and guest editors. This Special Issue aims to discuss emerging knowledge and new developments on the frontiers in the field of quantum science research via the publication of selected works that will, hopefully, greatly contribute to society. We hope that this Special Issue will serve as the best forum for disseminating outstanding research results and sharing innovative ideas in the field.





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Message from the Editor-in-Chief

We get more and more evidence that quantum theory is the correct description of nature. It was born a century ago by explaining a few paradoxical results that could not be understood in the framework of classical physics. Today, quantum physics leads technological revolution in metrology, communication, computation, and the design of novel materials. Still it needs more solid foundations, and we need to develop a deeper understanding of how it can be used for new applications.

Quantum Reports is an online, open-access journal providing an advanced forum for clarifying foundations of quantum theory and developing its applications in all fields of physics and technology. *Quantum Reports* is inviting innovative and insightful contributions from the growing community of researchers of quantum science.

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