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Ultrafast Dynamics of Atoms and Molecules

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Deadline for manuscript
submissions:

closed (31 August 2022)

Message from the Guest Editors

Dear Colleagues,

This Special Issue aims to bring together recent theoretical and experimental studies on the ultrafast phenomena.

Topics of primary interest covered by this Special Issue include (but are not limited to) the ultrafast nuclei dynamics of molecules, the development of advanced light sources for controlling and observing ultrafast dynamics, ultrafast electron dynamics, high-harmonic generations from atoms/molecules, photoelectron spectroscopy, and coherent control of quantum states. Authors can contact the Guest Editors prior to submission if they are uncertain whether their work falls within the general scope of this Special Issue.

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Ultrafast nuclei dynamics of molecules;
- The development of advanced light sources;
- Ultrafast electron dynamics;
- Ultrafast charge migration;
- High-harmonic generations from atoms/molecules;
- Photoelectron spectroscopy;
- Coherent control of quantum states.

We look forward to receiving your contributions.

Prof. Dr. Je-Hoi Mun

Prof. Dr. Dong-Eon Kim

Guest Editors

Special Issue



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Message from the Editor-in-Chief

The scope of *Atoms* is deliberately wide and encompasses a large part of theoretical and experimental atomic, molecular, nuclear, and chemical physics in order to encourage cross-disciplinary connections, while supporting the more traditional idea of individual subfields. The journal is also interested in papers concerning the computation and compilation of data related to applications in the above areas. Details of experimental methods and codes are welcome. Your research is taken seriously and peer-reviewed with care. I encourage you to contact me or any of the Editorial Board Members for further information.

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