



Noble Gas Compounds and Chemistry

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Message from the Guest Editor

The present editorial project aims to provide a landscape view of the current different approaches to investigate noble gas compounds and chemistry.

Generally, noble gases are perceived as lowly reactive. In fact, only krypton and xenon produce compounds under ordinary (or nearly ordinary) conditions. However, in environments such as cold matrices and high-pressure devices or in gaseous phase, all noble gases, including helium, neon, and argon, really “forget” to be inert, and form a variety of molecules and ions. These species are investigated not only by experimental methods but also by theoretical calculations, extensively employed to aid the interpretation of the experiments and to explore aspects that escape the experimental work. This Special Issue wishes to illustrate the different approaches that are currently taken to explore the structure, bonding, and reactivity of noble gas compounds and to highlight the implications of their chemistry for different issues of fundamental and applied interest.





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Message from the Editor-in-Chief

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