



Open-Shell Systems for Functional Materials

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Message from the Guest Editors

Dear Colleagues,

Open-shell systems are widely noticed from the viewpoint of fundamental studies on their peculiar characteristics, applications to materials and an understanding of the biological functions.

Theoretical calculations are now one of the powerful tools for understanding such systems. However, these systems are, in a sense, still challenging subjects because they are usually large and orbitally-degenerated systems with localized electron spins (localized orbitals).

In this Special Issue, we focus on recent developments, advances and future prospects of open-shell systems. We welcome contributions from both experimental and theoretical researchers, as well as cooperative studies between theories and experiments. Topics to be discussed cover a broad range of fields concerning open-shell systems, from basic theory in quantum theory, fundamental material science, applications in functional materials and biosystems, etc. We also welcome the intersectional area between material science and biomolecular science.

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Message from the Editor-in-Chief

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