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Single-Atom Catalyst Technology for the Treatment of Emerging Contaminants in Water

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Message from the Guest Editor

Dear Colleagues,

In recent years, with the increasingly serious problem of water pollution, the emerging contaminants (ECs) commonly present in the aquatic environment have become a topic of significant attention. Advanced oxidation technology is considered one of the most effective methods for degrading ECs, and catalytic technology can significantly enhance the reaction speed of catalytic oxidation. Therefore, the development of highly active catalysts has become a key factor in improving the effective removal of ECs in water. Single-atom catalysts (SACs) have attracted widespread attention in the field of heterogeneous catalysis due to their maximum atomic utilization efficiency, stable performance, and low susceptibility to environmental interference. Numerous studies have shown that SACs have significant catalytic degradation effects on ECs.

This Special Issue aims to provide an overview of recent research related to this field of interest, including the latest applications of single-atom catalyst technology for the treatment [...]

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Special Issue



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Message from the Editor-in-Chief

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