



Environmental Functional Materials for Sustainable Development

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Message from the Guest Editor

Environmental pollution and energy crisis have prompted an urgent demand for sustainable development. Over the past few decades, the development and utilization of environmentally functional materials with unique physical, chemical and biological properties and excellent environmental effects have been critical, becoming a research object and hotspot that has attracted wide attention across many fields, such as chemistry, materials and environmental sciences. Significant advances have been achieved toward the rational design of functional nanomaterials and the improvement of reactor configurations. Deep understanding on the design principles, functionalization strategies and application prospects are of essential importance to accelerate research and development, clarify the fundamental mechanisms and address practical challenges concerning the widespread applications.

- environmental pollution control
- environmental remediation
- adsorption materials
- catalytic materials
- migration and transformation
- water/air/soil remediation
- clean air
- nanostructure





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