



# APPLIED CATALYSIS B: ENVIRONMENTAL

## AUTHOR INFORMATION PACK

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### DESCRIPTION

*Applied Catalysis B: Environmental* welcomes original, novel and high-impact contributions from the following fields:

**Catalytic elimination of environmental pollutants**, such as nitrogen oxides, carbon monoxide, sulfur compounds, chlorinated and other organic compounds, and soot emitted from stationary or mobile sources  
Basic understanding of catalysts used in environmental pollution abatement, especially as applied to **industrial processes**  
All aspects of preparation, characterization, activation, deactivation and regeneration of novel and commercially applicable **environmental catalysts**  
New catalytic routes and processes for the production of **clean energy**, such as in hydrogen generation via catalytic fuel processing; and new catalysts and electrocatalysts for **fuel cells**  
Catalytic reactions in which wastes are converted to useful products  
Clean manufacturing replacing toxic chemicals with environmentally friendly catalysts  
Scientific aspects of photocatalytic processes and basic understanding of **photocatalysts** as applied to environmental problems  
New **catalytic combustion** technologies and catalysts

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### INTRODUCTION

*Applied Catalysis B: Environmental* welcomes original, novel and high-impact contributions from the following fields:

- Catalytic elimination of environmental pollutants, such as nitrogen oxides, carbon monoxide, sulfur compounds, chlorinated and other organic compounds, and soot emitted from stationary or mobile sources
- Basic understanding of catalysts used in environmental pollution abatement, especially as applied to industrial processes
- All aspects of preparation, characterization, activation, deactivation and regeneration of novel and commercially applicable environmental catalysts
- New catalytic routes and processes for the production of clean energy, such as in hydrogen generation via catalytic fuel processing; and new catalysts and electrocatalysts for fuel cells
- Catalytic reactions in which wastes are converted to useful products
- Clean manufacturing replacing toxic chemicals with environmentally friendly catalysts
- Scientific aspects of photocatalytic processes and basic understanding of photocatalysts as applied to environmental problems
- New catalytic combustion technologies and catalysts

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[1] J. van der Geer, J.A.J. Hanraads, R.A. Lupton, J. Sci. Commun. 163 (2010) 51–59.

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