

## Special Issue

# New Research Trends in Rare Earth Oxide-Based Catalysts

### Message from the Guest Editors

Over the past few decades, especially from the establishment and development of the three-way catalyst (TWC) technology, rare earth oxides have become ubiquitous materials in heterogeneous catalysis. In this application field, they are extensively used either as catalysts or, much more frequently, as supports of a variety of metal-containing catalytic active phases and as structural and electronic promoters. The present Special Issue of *Catalysts* is intended to provide a broad overview of recent progress and research trends in the field of rare earth oxide-based catalysts, covering from their design, preparation, and characterization to their testing in catalytic processes with environmental, energy or industrial interest. Furthermore, both experimental and theoretical studies aimed at understanding the fundamentals of these materials for heterogeneous catalytic applications are also welcome. We strongly encourage researchers to submit their original works as full papers, communications or reviews.

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### Deadline for manuscript submissions

closed (31 December 2021)



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