catalysts

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Zeolites as Catalysts: Applications in Chemical Engineering, Energy Sources and Environmental Protection

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Deadline for manuscript submissions:
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Message from the Guest Editors

Dear Colleagues,

Zeolites are crystalline aluminosilicates possessing a 3D network structure that are widely considered to be the leading materials of the last few decades in the fields of chemical engineering, energy sources and environmental protection. Zeolites are commonly used for various processes, such as dehydration, gas separation and synthesis, air pollution control (H_2S, SO_2 and NO_x decontamination), fuel conversion (electrolyte film), petroleum cracking and others, playing the role of membrane, catalyst and support.

This Special Issue is dedicated to novel research and discussions on zeolites, with a focus on, but not limited to, the following:

(1) Fundamental research on mechanisms of the formation of pores for zeolites;

(2) Zeolites used as the membrane, catalyst and support;

(3) Theoretical simulation and machine learning research for zeolites;

(4) Novel applications for zeolites;

(5) Related porous materials.

Original research papers and reviews providing new insights into the area are welcome.

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