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DESCRIPTION

The *Journal of Catalysis* publishes original, rigorous, and scholarly contributions in the fields of heterogeneous and homogeneous catalysis including all forms of stimulations of chemical transformations (e.g., photon-, plasmon-, and electron-mediated catalysis). They are based on studies that relate catalytic function to fundamental chemical properties of surfaces and metal complexes. The contributions present novel concepts, the synthesis and kinetic investigations of inorganic solids and homogeneous complexes, spectroscopic methods for characterization of catalysts, studies of probes and reacting species interacting with the catalysts, as well as theoretical methods. The research should be of direct relevance to the science of catalytic processes and should deal with fundamental or application-driven catalysis. Published manuscripts will be of lasting value because of their significant contributions to our understanding and practice of catalysis.

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INTRODUCTION
The Journal of Catalysis publishes original, rigorous, and scholarly contributions in the fields of heterogeneous and homogeneous catalysis. These include studies that relate catalytic function to fundamental chemical processes at surfaces and in metal complexes, novel concepts in surface chemistry, the synthesis and catalytic function of novel inorganic solids and complexes, spectroscopic methods for structural characterization, and theoretical methods of direct interest and impact in the science and applications of catalysts and catalytic processes.

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