catalysts

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# Recent Developments in Rh Catalysts

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## Message from the Guest Editors

Recently, Rh has been receiving considerable attention because of its high catalytic potential for producing hydrogen from hydrogen-containing molecules to power fuel cells. Hydrogenation of CO and $CO_2$ to form hydrocarbons and oxygenated products over supported and unsupported Rh has been the subject of extensive research of Rh and Rh-containing catalysts. Supported Rh catalysts are promising candidates in the thermal and photocatalytic reduction of $CO_2$ with hydrogen and with different saturated and unsaturated hydrocarbons. Rh supported on oxide supports is an excellent catalyst for environmentally important technologies, such as CO oxidation and $NO_x$ reduction. This Issue would supply the catalytic community with the present status of Rh-related catalysts exhibited in many catalytic reactions. This volume involves studies relating to the catalytic effects of Rh in a wide reaction scale, the modification of Rh surfaces, and the interaction mechanism between Rh and support, including the strong metal interactions and its importance in the catalytic reactions.