Preface

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Special Issue “Catalysis by Group 9–11 elements”.

The year 2019 marks both the 150th anniversary of the periodic table of the chemical elements having been established by Dmitri Mendeleev, and the 100th anniversary of the International Union of Pure and Applied Chemistry. The “International Year of the Periodic Table of Chemical Elements (IYPT2019)” will bring many different stakeholders, such as the United Nations General Assembly, UNESCO, scientific societies and unions, educational and research institutions, technology platforms, non-profit organizations, and private sector partners.

The Periodic Table of Chemical Elements is one of the most significant guidelines for catalyst science and technologies. The Group 9–11 elements (Co, Rh, Ir, Ni, Pd, Pt, Cu, Ag, Au) are frequently applied as active elements for catalysts, such as oxidation, hydrogenation, automotive catalysts, reforming, and so on. Catalysis Surveys from Asia celebrates the IYPT2019 by presenting this special issue entitled “Catalysis by Group 9–11 elements”.

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