Special Issue

Palladium Catalysts: From Design to Applications

Message from the Guest Editor

The ubiquity of palladium catalysts in academia an industry is an undeniable reality. Countless palladium catalysts have been developed for applications that range from small molecule synthesis, pharmaceuticals, polymer synthesis and oxidations, to name a few. This is the result of a combination of versatility, stability and user-friendly nature, when compared to other metals commonly used in catalysis. This versatility (both in their synthesis and their application) offers a researcher a plethora of possibilities to consider when designing a palladium catalyst for a specific purpose: homogeneous, heterogeneous, well-defined, in-situ formed, recyclable, ligandless... This Special Issue intends to cover all aspects of palladium catalysts, from catalyst design to applications in catalytic processes, including novel applications of known palladium catalysts. In accordance with the nature and importance of this metal, this Issue aims to be representative of the omnipresence of palladium in catalysis, covering heterogeneous and homogeneous catalysis performed with either well-defined, in-situ or ligandless palladium catalysts.

Guest Editor

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Inorganic chemistry remains a lynchpin of modern chemistry, not only embracing the function and reactivity of combinations of most elements of the periodic table, but also providing a footing for studies of materials, catalysts, drugs, fuels and industrial chemicals. Arguably, the role and reach of inorganics in society have never been as great as today. Adventurous research at the heart and at the extremes of inorganic chemistry is vital to further advances and Inorganics offers authors the opportunity to publish exciting new research in an open access format.

Editor-in-Chief

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