Special Issue

Layered Double Hydroxides for Catalytic Applications

Message from the Guest Editors

Layered double hydroxides (LDHs) are two-dimensional (2D) anionic clays composed of positively charged M(OH) octahedra in host layers and both anions and water molecules in the interlayer gallery. LDHs have many underlying applications in heterogeneous catalysis owing to their desirable performance, including moderate chemistry stable characteristics, broad specific surface area, high customization possibility and environmental friendliness, relatively simple preparation, and low cost. Besides, LDH-based catalysts are also widely applied as catalysis materials in wastewater treatment. Therefore, this Special Issue will focus on the recent advances in Catalytic Applications *via* Layered Double Hydroxides. We invite the submission of original research articles and short critical reviews on themes including, but not limited to:

- Heterogeneous Catalysis
- Degradation of Pharmaceutical Pollutants
- Nanocatalysts for Wastewater Treatment
- Functionalized Layered Double Hydroxides application

We look forward to receiving your contributions.

Guest Editors

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Deadline for manuscript submissions

closed (30 June 2023)

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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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