Special Issue

New Catalytic Materials for Low Carbon Molecules Conversion

Message from the Guest Editors

Currently, the issues of energy and the environment are the primary focus of researchers around the world. Low-carbon molecules (C1 and C2) are the foundation of most chemicals. Some low-carbon molecules, including CO2, CO, CH4, CH3OH, etc., are basic low-energy molecules that can be upgraded to high-energy chemicals, which decrease the dependence of energy aquisition on fossil fuels. Some low-carbon molecules like CO, HCHO and VOC, etc., are harmful molecules that endanger the health of humans and thus need to be eliminated as efficiently as possible for the protection of human health. This Special Issue, entitled "New Catalytic Materials for Low-Carbon Molecules Conversion", covers all aspects of energy and the environment with regard to low-carbon molecules, upgrading their energy values for the production of high-energy chemicals and eliminating their molecules for the mitigtation of air pollution. This Special Issue welcomes the submission of articles addressing new materials with the capacity to aid in energy production and eliminate pollution from low-carbon molecules (C1 and C2). This Special Issue will also encompass material design to theory calculations.

Guest Editors

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Deadline for manuscript submissions

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