

Special Issue

Preparation and Photocatalytic Activity of TiO₂-Based Composite Catalysts

Message from the Guest Editor

With the development of urbanization and the improvement of industrialization, modern industry has brought convenience and comfort to people, but it has also brought serious pollution problems. The discharge of waste water and exhaust gas has brought great harm to people's living environment. Titanium dioxide has received extensive attention from scientists as a photocatalyst due to its photocatalytic degradation ability, environmental friendliness, and low price, and further advantages have been identified, such as its high chemical stability, low toxicity, and low operating cost. The main preparation methods of titanium dioxide are the sol-gel method, solvothermal method, hydrothermal method, anodic oxidation method, microwave-assisted method, CVD, PVD, etc. As titanium has a wide range of applications in harmful gas purification, building materials, coatings, daily necessities, and so on, titanium preparation and application have become one of the most popular research fields all around the world, and it is for this reason that we are launching this Special Issue dedicated to this topic. We look forward to your contributions.

Guest Editor

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