

## **ABSTRACT**

The present application discloses an ionic liquid catalyst for producing renewable fuels from waste oils, and a preparation method and an application thereof, and belongs to the technical field of treatment of waste oils. By using the ionic liquid catalyst to catalyze the hydrogenation of waste oils for producing renewable fuels, impurities in the waste oils can be adsorbed or converted into products, thereby improving the yield and quality of products, and enabling industrial production of second-generation biodiesel from waste oils.

**[Fig. 1]**