

## ABSTRACT

Disclosed in the present invention are a novel green lithium iron phosphate precursor, a preparation method therefor and an application thereof. The preparation method for the lithium iron phosphate precursor comprises the following steps: S1, reacting a mixture of an iron source and a phosphoric acid solution, and grinding after the reaction is completed to obtain a product A; reacting a mixture of an organic acid solution, a lithium source, and a carbon source, and obtaining a product B after the reaction is completed, the preparation order of the product A and the product B being not limited; and S2, grinding the mixture of the product A and the product B to obtain a lithium iron phosphate precursor. In the preparation process of the lithium iron phosphate precursor of the present invention, the solid content can be greatly improved, the energy consumption of the subsequent process is low, the preparation method is simple, and the cost is low. The prepared lithium iron phosphate precursor has extremely small particle size and high charge and discharge rate.

FIG. 1