

## **Abstract**

The present invention relates to the field of desulfurization, and disclosed are an SO<sub>2</sub> adsorption material, a preparation method therefor and an application thereof, and a method for removing SO<sub>2</sub> from flue gas containing SO<sub>2</sub>. The SO<sub>2</sub> adsorption material contains a carbonized metal organic framework material and a sulfite loaded on the carbonized metal organic framework material, and the carbonized metal organic framework material is a carbonized material obtained by carbonizing a metal organic framework material; and on the basis of the total weight of the SO<sub>2</sub> adsorption material, the loading amount of sulfite is not higher than 10 wt%. The SO<sub>2</sub> adsorption material provided by the present invention has a relatively high SO<sub>2</sub> adsorption capacity, and may be desorbed and regenerated by heating, and the adsorption capacity still remains at a relatively high level after multiple cycles of adsorption-desorption.