

Regulating Pt-based Noble Metal Catalysts for the Catalytic Oxidation of Volatile Organic Compounds: A Mini Review

Chao Sui*, Xiangyu Ma, Wenhui Fu, Shiping Zeng, Ruirui Xie, Zhiping Zhang*

- 1 、 Precious metals can oxidize VOCs at high rates at relatively low temperatures.
- 2 、 The catalytic oxidation of VOCs by Pt - based catalyst has high activity.
- 3、 Most Pt-based noble metal catalysts can completely oxidize toluene to CO₂ and water within 200°C
- 4、 Pt species by adjusting the particle size, eliminate VOCs by catalysts supported on different supports and different preparation methods.