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(57) Abstract :

This present invention relates to a heterogeneous catalyst for the synthesis of acrylic acid, a process for the preparation thereof and the use thereof for the synthesis of acrylic acid. This invention further relates to a heterogeneous catalyst for the synthesis of acrylic acid using CO₂ and ethylene. The catalyst is a Pd-loaded mesoporous silica which is obtained by growing a complex moiety for Pd anchoring over the surface of mesoporous silica.

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