

Deposition and spectroscopy of supported metal clusters

University of Birmingham - Selective deposition of Pt onto supported metal clusters for fuel cell electrocatalysts, Nanoscale



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Selective deposition of Pt onto supported metal clusters for fuel cell electrocatalysts

At the same time, inter-cluster polarization and atomic interface effects in hetero-ACs may create remarkable catalytic properties. In terms of precision synthesis, multilateral clusters, and industrial scalability, we have compared the advantages and disadvantages of each strategy and summarized them in Table.

Epitaxial deposition of silver ultra

The insight gained from such studies can be used to further the development of novel nanostructured catalysts with high activity and selectivity. Comparing with other metals, adding Pd in Au showed a higher activity. However, introducing silver on the bridge site Figure resulted in the disappearance of the silver signature around the Fermi level, and less significant peaks are observed very far from the Fermi level around -0.

CiteSeerX — Mass Spectroscopy of Chemical Reaction of 3d Metal Clusters Involved in Chemical Vapor Deposition Synthesis of Carbon Nanotubes

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Synthetic strategies of supported atomic clusters for heterogeneous catalysis

Find more information on In this Perspective, we review recent studies of size-selected cluster deposition for catalysis applications performed at the U.

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