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Low-cost platinum-based catalysts ...

... Cooperation of researchers from five European countries allowed Pt-CeO₂ materials with the highest possible noble-metal dispersion to be prepared and characterized. As V. Matolín, J. Libuda, K. M. Neyman, and co-workers show in their Communication on page 10525 ff., surface atomic Pt²⁺ species are stabilized in {100} “nanopockets” of CeO₂, decreasing the amount of platinum required for catalysis, thus lowering the cost of their implementation for applications, such as in fuel-cell devices.

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