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(54) Title: METHODS OF PREPARING CATALYSTS FOR THE CHIRALLY SELECTIVE SYNTHESIS OF SINGLE-WALLED CARBON NANOTUBES

(57) Abstract: Methods of preparing a sulfur-containing catalyst for the chirally selective synthesis of single-walled carbon nanotubes are presented. Sulfur-containing catalysts for the chirally selective synthesis of single-walled carbon nanotubes, the catalysts comprising sulfur-doped transition metal as active phase on a support, and methods of forming single-walled carbon nanotubes having a selected chirality using the catalysts are also presented.



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