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Mesoporous Nitrogen Containing Carbon Materials for the Simultaneous Detection of Ascorbic acid, Dopamine and Uric acid

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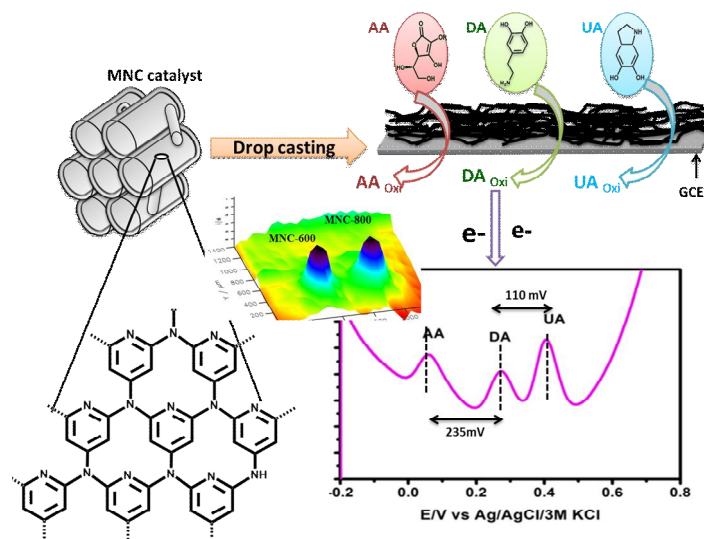
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Graphical abstract



Mesoporous nitrogen rich carbonaceous (MNC) materials have been synthesized at two different temperatures of 600 and 800 °C and explored for simultaneous determination of ascorbic acid (AA), dopamine (DA) and uric acid (UA). The electrocatalytic activity of these materials for the oxidation of analyte molecules was examined by means of redox-competition mode of scanning electrochemical microscopy (SECM), voltammetric, chronoamperometric and rotating disc electrode (RDE) measurements.

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