

## A highly N-doped carbon phase "dressing" of macroscopic supports for catalytic applications

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### Abstract

© The Royal Society of Chemistry 2015. The straightforward "dressing" of macroscopically shaped supports (i.e.  $\beta$ -SiC and  $\alpha$ -Al<sub>2</sub>O<sub>3</sub>) with a mesoporous and highly nitrogen-doped carbon-phase starting from food-processing raw materials is described. The as-prepared composites serve as highly efficient and selective metal-free catalysts for promoting industrial key-processes at the heart of renewable energy technology and environmental protection.

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