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

Ba H., Liu Y., Truong-Phuoc L., Duong-Viet C., Mu X., Doh W., Tran-Thanh T., Baaziz W., Nguyen-Dinh L., Nhut J., Janowska I., Begin D., Zafeiratos S., Granger P., Tuci G., Giambastiani G., Banhart F., Ledoux M., Pham-Huu C.

Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

© The Royal Society of Chemistry 2015. The straightforward "dressing" of macroscopically shaped supports (i.e. β -SiC and α -Al₂O₃) 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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