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Vanadium-embedded mesoporous carbon microspheres as effective catalysts for selective aerobic oxidation of 5-hydroxymethyl-2-furfural into 2, 5-diformylfuran

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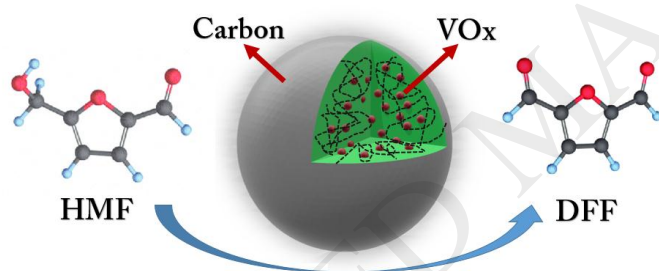
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Graphic Abstract



Vanadium-embedded mesoporous carbon microspheres have been successfully synthesized and applied in the aerobic oxidation of HMF to DFF.

Highlights

- Vanadium-embedded mesoporous carbon microspheres were synthesized and characterized.
- The catalyst showed high activity in the oxidation of HMF to DFF.

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