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Oxidative Dehydrogenation and Dry Reforming of *n*-Butane with CO₂ over NiFe Bimetallic Catalysts

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Graphical abstract

Highlights

- *n*-Butane is dehydrogenated to 1,3-butadiene with CO₂ as a soft oxidant.
- Ni_1Fe_3/CeO_2 and Ni_3Fe_1/CeO_2 are selective for the ODH of *n*-butane to 1,3-butadiene and the

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