



## Supplementary Materials

## Hierarchical HZSM-5 for Catalytic Cracking of Oleic Acid to Biofuels

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Figure S1. Schematic diagram of semi-batch DO reactor.



Figure S2. Distribution of alkanes and alkenes in DO products.

Table S1. Overall	product distribution	in DO reactions.
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	Area %		
	h-HZSM-5	c-HZSM-5	HZSM-5
Hydrocarbons (C8–C20)	73	80.8	78.6
Heavy hydrocarbons (>C20)	0	0	1.3
Cyclic hydrocarbon	11	6.1	10.5
Alcohols	8	6.4	5
Aldehydes	0	0.4	1.3
Ketones	3	1.3	1.4
Aromatic	3	3.8	1.9
Others	2	0.4	0