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Oxidative dehydrogenation of ethylbenzene over CMK-1 and CMK-3 carbon replicas with various mesopore architectures

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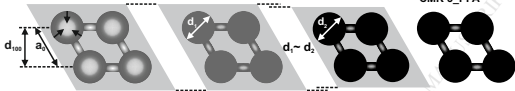
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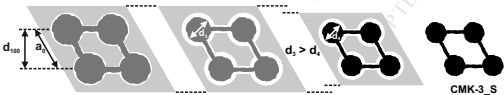
Structure shrinkage

Poly(furfuryl alcohol) insertion
by precipitation polycondensation



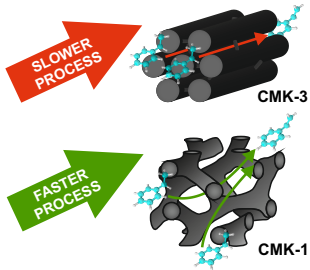
Carbonization

Silica removal



Sucrose insertion
by incipient wetness impregnation

Oxidative dehydrogenation of ethylbenzene



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