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# Contents

## Articles



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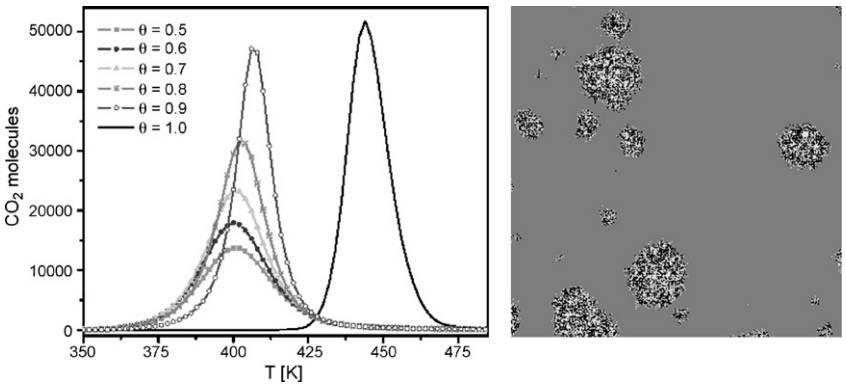
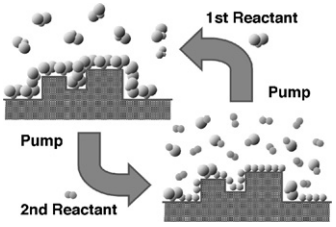
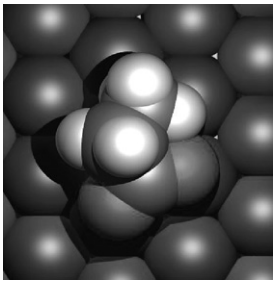


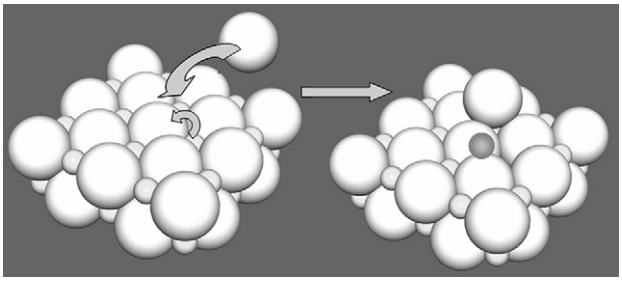


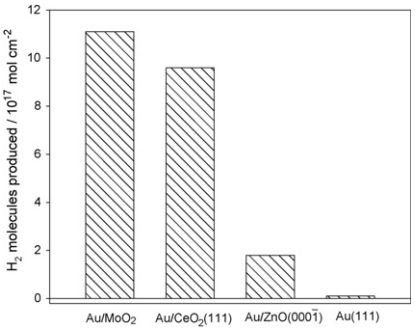





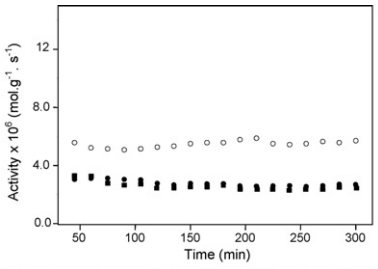







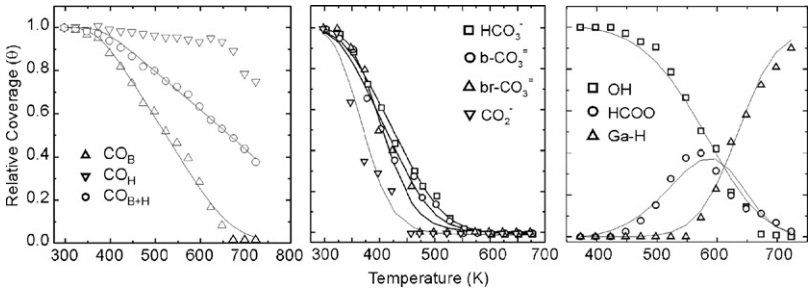





Activity of the catalysts as a function of time. • MCP sample; ○ MCI sample; ■ MP sample. M = magnetite; C= chromium; P = precipitation and I=impregnation.








Highest occupied molecular orbital (HOMO), (a) thiophene, (b) benzothiophene, (c) dibenzothiophene and (d) 4,6-dimethyldibenzothiophene at B3LYP/6-311++G** level of theory.