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Original article

Synthesis, characterization and catalytic performance of Mo based metal-organic frameworks in the epoxidation of propylene by cumene hydroperoxide

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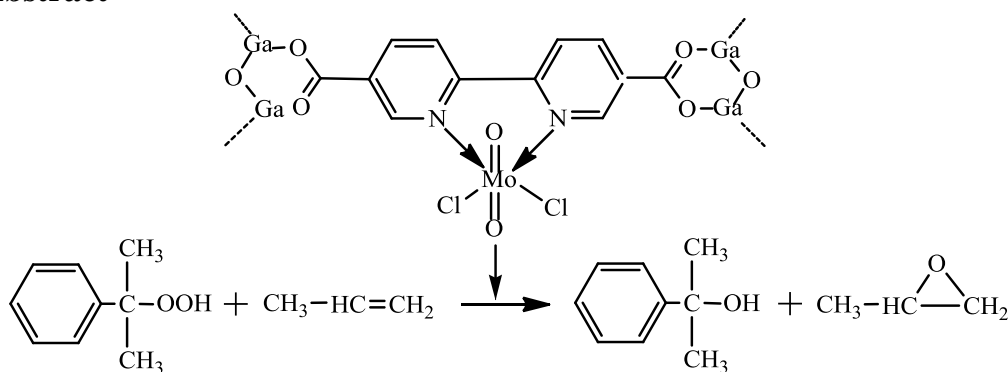
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Graphical Abstract



Two types of Mo containing metal-organic frameworks, Mo@COMOC-4 and PMA@MIL-101(Cr) were synthesized, their catalytic performance in the epoxidation of propylene using CHP was compared with MoO₃@SiO₂. Mo@COMOC-4 showed higher conversion (46.2%) and efficiency (87.4%) of the oxidant as an efficient catalyst for propylene epoxidation.

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