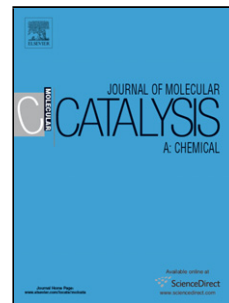


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1 **Deactivation causes of supported palladium catalysts for**  
2 **the oxidative carbonylation of phenol**

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