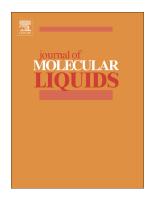
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Pore size distribution dependent controlling selective degradation of binary dye effluent

Juan Xie^{a,b}, Yawen He^{b,c}, Junlei Tang^c, Yingying Wang^c, Mohamad Chamas^c, Hu Wang^{*, b}

^a The Center of New Energy Materials and Technology, School of Materials Science and Engineering, Southwest Petroleum University (SWPU), Chengdu 610500, China

^b College of Materials Science and Engineering, Southwest Petroleum University (SWPU), Chengdu 610500, China

^c College of Chemistry and Chemical Engineering, Southwest Petroleum University (SWPU), Chengdu 610500, China

*Corresponding author. Tel.: +86 28 83037346; fax: +86 28 83037346.

*E-mail address: senty78@126.com_(H Wang)

Abstract

Herein, mesoporous and microporous strontium titanate (STO) were prepared by facile hydrothermal process using carboxymethyl cellulose (CMC) and cetyltrimethyl ammonium bromide (CTAB) as controlling agent. Effect of different amounts of agents to crystalline, morphology and pore size (distribution) was detected. Specific surface area of mesoporous STO (CMC-STO) is ranging from 24.40 m²/g to 56.90 m²/g. In contrast, microporous STO (CTAB-STO) has specific surface area between 9.54 m²/g

^{*}Corresponding author at: senty78@126.com (H. Wang), Tel.: +86 28 83037346; fax: +86 28 83037346

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