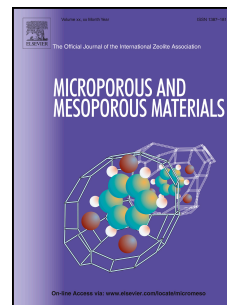


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A highly organic functionalized three-connected periodic mesoporous silica by Co-condensation with hydridosilica

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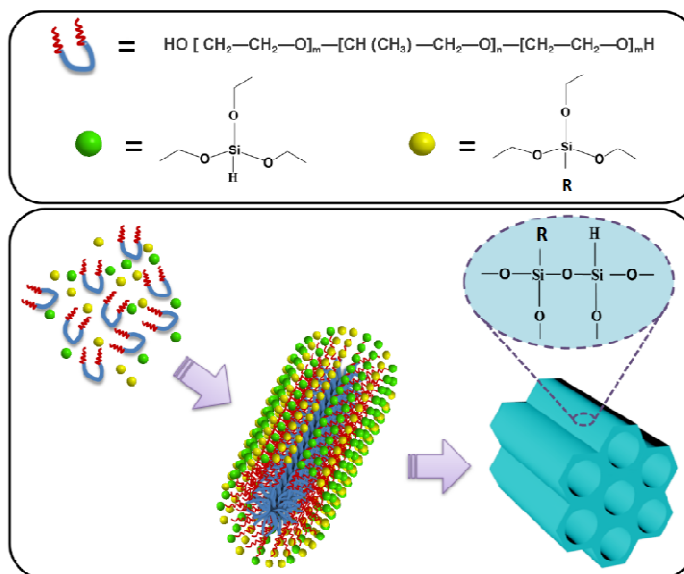
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Abstract:

A groundbreaking approach for efficient organic functionalization of PMSs was achieved by co-condensation of $(R'O)_3Si-H$ and $(R'O)_3Si-R$ type terminal trialkoxyorganosilanes. The organic PMSs reached a maximum 78% incorporation of Methyl group (CH_3-SiO_3 unit), broke the limitation of 25%.



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