A Journal of the Gesellschaft Deutscher Chemiker ANGELVAN GDCh International Edition A Journal of the Gesellschaft Deutscher Chemiker Chemiker Chemiker Www.angewandte.org

2015-54/3

A porous liquid ...

... derived from the surface functionalization of hollow silica spheres with an organosilane corona and a poly(ethylene glycol)-tailed sulfonate canopy is reported by S. M. Mahurin, S. Dai, and co-workers in their Communication on page 932 ff. Taking advantage of the liquid-like polymeric matrix as a selective separation medium and the empty cavities as a pathway for enhanced gas transport, this porous liquid shows promising performance for gas separation.

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