Supplementary Information

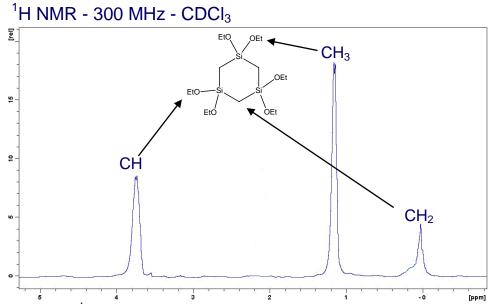


Figure S1. ¹H NMR spectrum of 1,3,5[tris(diethoxy)sila]cyclohexane.

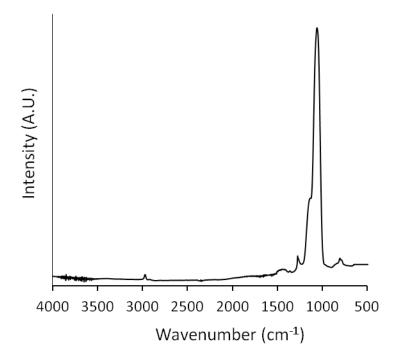


Figure S2. DRIFT spectrum of the NaOH treated RPMO-Brij film after annealing.

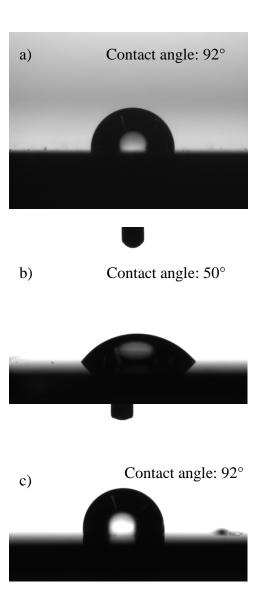


Figure S3. Water droplet images of a the pristine PMO film, b) the dried PMO film after immersion in a pH 14 solution for 5 min. and c) the annealed PMO film after immersion.