Supplemental information

Title: **Method for simultaneous polishing and hydrophobization of polycarbonate for microfluidic applications**

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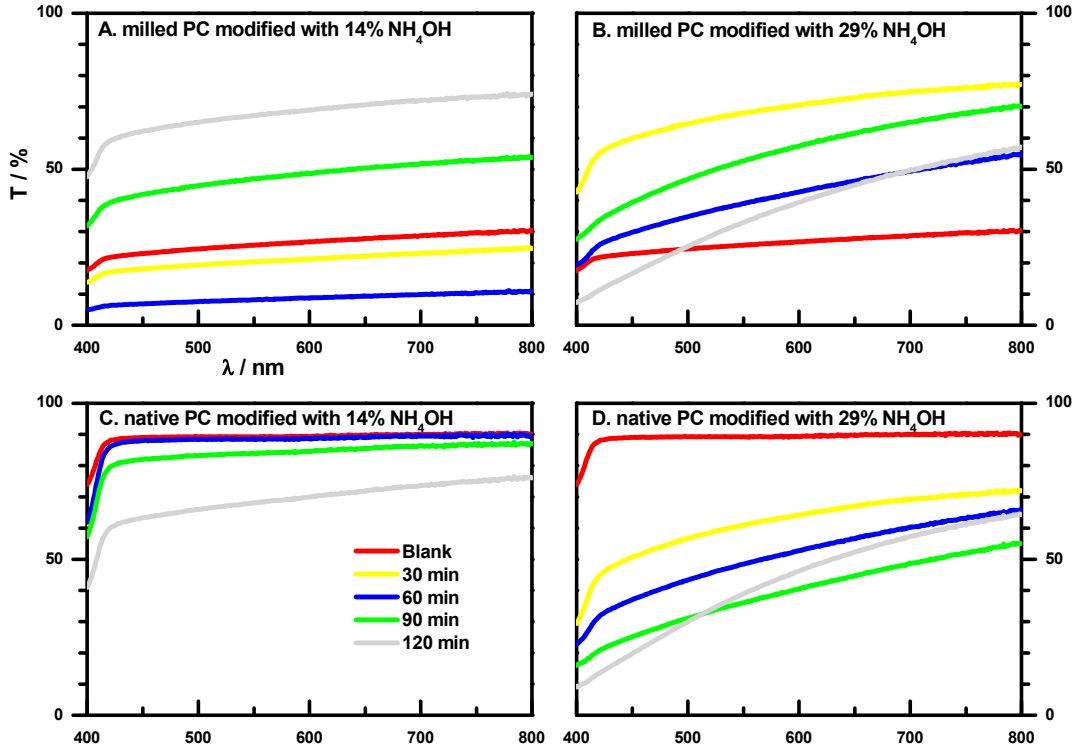


Figure S1 *UV-VIS transmission spectra of the milled (A,B) and native (C, D; untreated) PC plates modified via exposure to 14 (A, C) and 29% ((B, D) solution of NH_4OH for 2h at room temperature.*

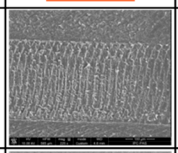
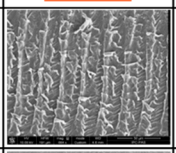
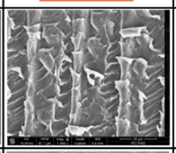
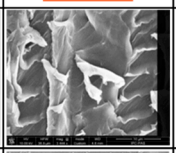
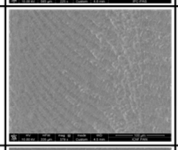
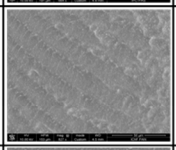
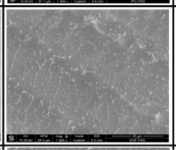
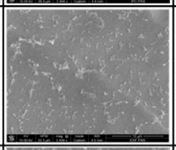
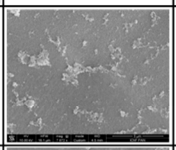
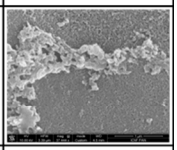
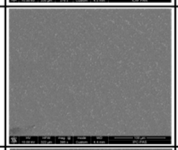
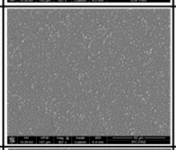
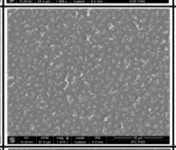
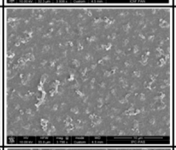
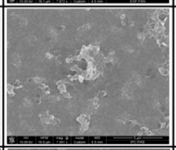
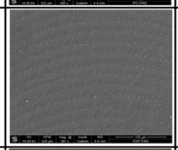
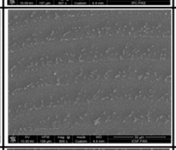
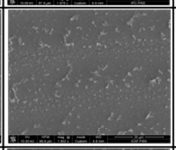
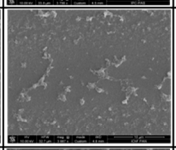
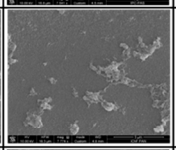
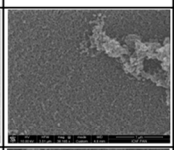
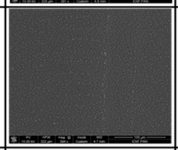
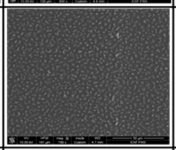
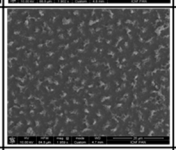
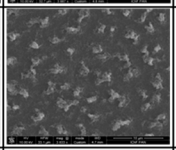
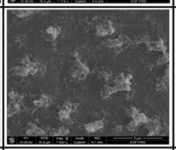
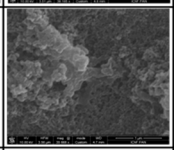
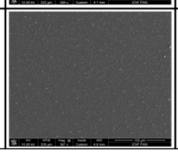
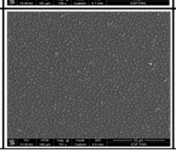
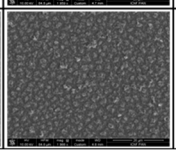
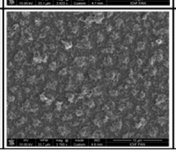
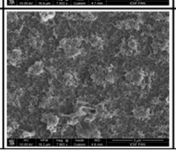
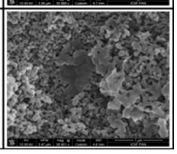
Scale bar	300 µm	100 µm	50 µm	20 µm	10 µm	2 µm
Original PC surface **after milling**					-	-
20% 1h						
20% 2h						-
29% 0.5h						
29% 1h						
29% 2h						

Figure S2 *Scanning electron microscopies of* ***milled*** *PC slabs that were modified with the use of various solutions of NH_4OH for various times at room temperature.*

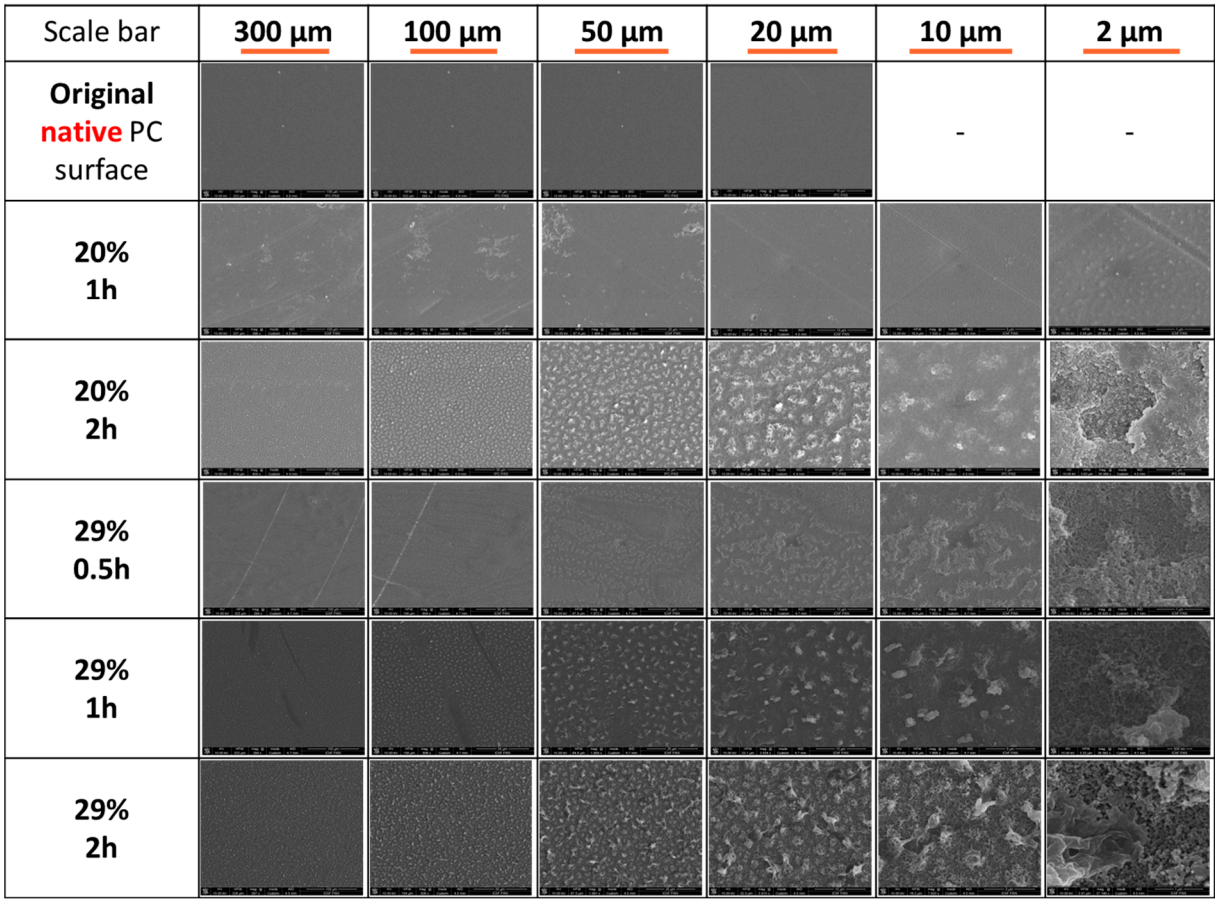


Figure S3. *Scanning electron microscopies of* ***native*** *PC slabs that were modified with the use of various solutions of* NH_4OH *for various times at room temperature.*