coatings

Supporting Information: The Effect of Hydroxyl on the Superhydrophobicity of Dodecyl Methacrylate (LMA) Coated Fabrics through Simple Dipping-Plasma Crosslinked Method

Liyun Xu [1], Yu Zhang [2], Ying Guo [2,3], Ruiyun Zhang [4,5], Jianjun Shi [2,3], Yue Shen [1,*] and Jianyong Yu [5]

[1] School of Textile and Clothing, Nantong University, Nantong 226019, China; gangsheng1989@126.com
[2] Department of Applied Physics, College of Science, Donghua University, Shanghai 201620, China; 2161508@mail.dhu.edu.cn (Y.Z.); guoying@dhu.edu.cn (Y.G.); jshi@dhu.edu.cn (J.S.)
[3] Member of Magnetic Confinement Fusion Research Center, Ministry of Education, Donghua University, Shanghai 201620, China
[4] Key Laboratory of Textile Science and Technology, Ministry of Education, College of Textiles, Donghua University, Shanghai 201620, China; ryzhang@dhu.edu.cn
[5] Innovation Center for Textile Science and Technology, Donghua University, Shanghai 201620, China; yujy@dhu.edu.cn
* Correspondence: shen.y@ntu.edu.cn

1. Supplementary Figures

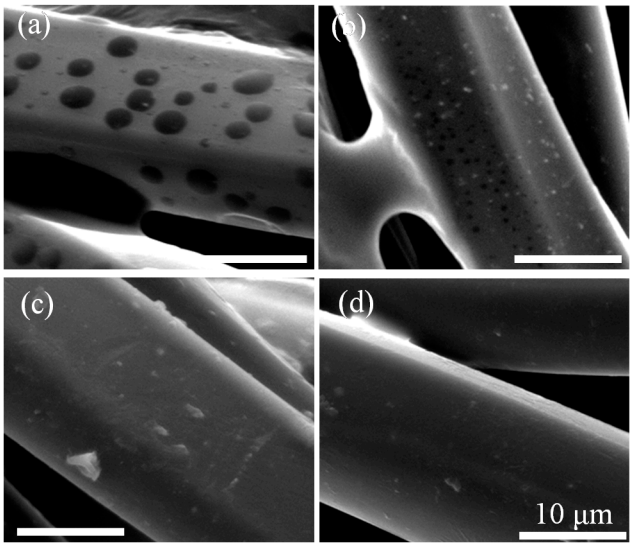

Figure S1. The surface morphology of treated PET fabrics: (**a**) dipping PEG; (**b**) PET-*g*-PEG; (**c**) PET-*g*-LMA; (**d**) PET-*g*-PEG & LMA.

2. Supplementary Tables

Table S1. Water repellency and washing stability of different fabrics.

Sample	Water contact Angle (°)	
	Original	After 30 Washing Cycles
TPU	122.42	17.67
TPU-g-PEG & LMA	143.41	128.49
TPU-g-LMA	137.11	104.12
PA6	137.38	73.54
PA6-g-PEG & LMA	156.52	146.38

PA6-g-LMA	152.86	119.71

Note: TPU—Thermoplastic polyurethane (plain weave, grammage = 119 g/m^2); PA6—Polyamide 6 (plain weave, grammage = 196 g/m^2).

Publisher's Note: MDPI stays neutral with regard to jurisdictional claims in published maps and institutional affiliations.