

Supporting Information

A facile approach for preparing biomimetic polymer macroporous structures with petal or lotus effects

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Journal: New Journal of Chemistry

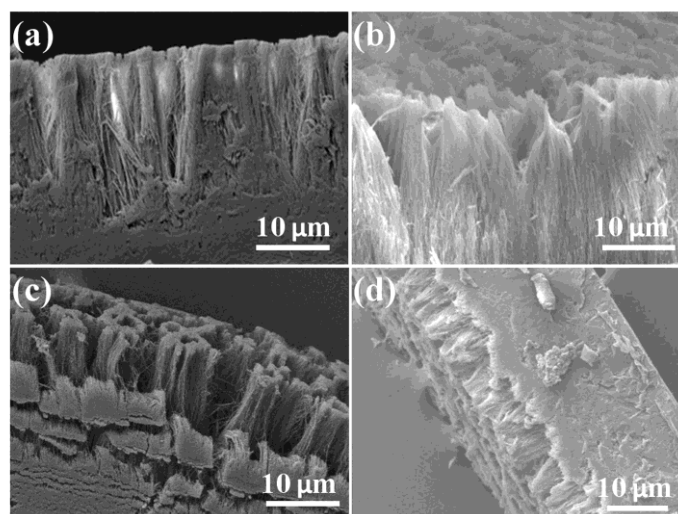


Fig. S1 (a, b) The cross-sectional SEM images of samples A, B, respectively. (c, d) The cross-sectional SEM images of sample C in different angles.

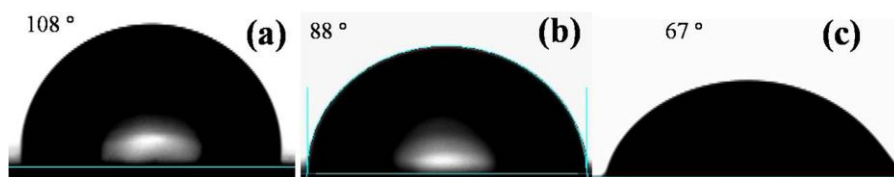


Fig. S2 The WCAs of the three PMMA macroporous surfaces before modification. (a) Sample A, 108°. (b) Sample B, 88°. (c) Sample C, 67°.

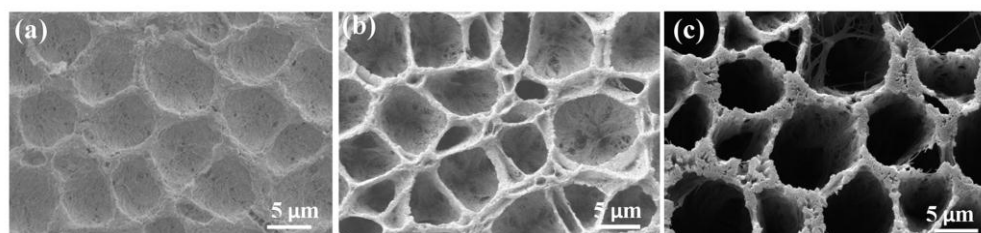


Fig. S3 (a-c) The enlarged SEM images of samples A-C, respectively.



Fig. S4 The water droplet shapes of the as-prepared superhydrophobic PMMA surface before and after it was placed under the air condition for 6 months. The surface can still keep superhydrophobicity with a WCA of 153° after 6 months.