Electronic Supplementary Information

Underwater Superoleophobic Meshes Fabricated by Poly(sulfo betaine)/Polydopamine Co-deposition

Peng-Fei Ren, Hao-Cheng Yang, Yi-Ning Jin, Hong-Qing Liang,
Ling-Shu Wan* and Zhi-Kang Xu*

MOE Key Laboratory of Macromolecular Synthesis and Functionalization, Department of Polymer Science & Engineering, Zhejiang University, Hangzhou 310027, China
Fig. S1 $^1$H NMR spectrum of PSBMA

Table S1. Average molecular weight and polydispersity of PSBMA determined by GPC

<table>
<thead>
<tr>
<th>$M_n$ ($10^4$ g/mol)</th>
<th>$M_w$ ($10^4$ g/mol)</th>
<th>$M_P$ ($10^4$ g/mol)</th>
<th>Polydispersity</th>
<th>%</th>
<th>$M_{Z+1}$ ($10^4$ g/mol)</th>
<th>$M_Z$ ($10^4$ g/mol)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.20</td>
<td>3.00</td>
<td>2.03</td>
<td>2.50</td>
<td>100</td>
<td>11.75</td>
<td>6.58</td>
</tr>
</tbody>
</table>
Fig. S2 Morphology and size of the formed particles in the reaction solution with a PSBMA/PA ratio of (a) 0:1, (b) 1:1, (c) 5:1, (d) 10:1 and (e) 1:0, respectively. The particle diameters are calculated and summarized in (f).