

Accepted Manuscript

Title: Surfaces wettability and morphology modulation in a fluorene derivative self-assembly system

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PII: S0169-4332(16)30109-X
DOI: <http://dx.doi.org/doi:10.1016/j.apsusc.2016.01.248>
Reference: APSUSC 32480

To appear in: *APSUSC*

Received date: 17-12-2015
Revised date: 24-1-2016
Accepted date: 27-1-2016

Please cite this article as: X. Cao, A. Gao, N. Zhao, F. Yuan, C. Liu, R. Li, Surfaces wettability and morphology modulation in a fluorene derivative self-assembly system, *Applied Surface Science* (2016), <http://dx.doi.org/10.1016/j.apsusc.2016.01.248>

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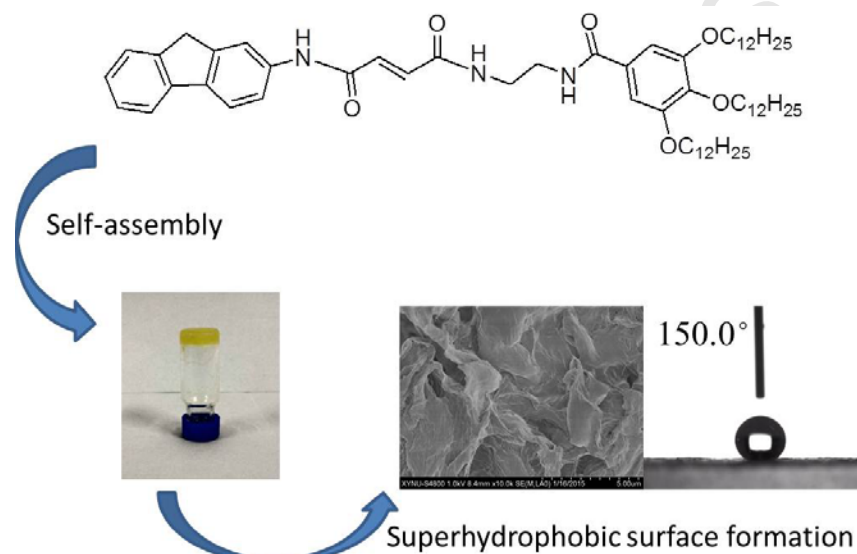
Surfaces wettability and morphology modulation in a fluorene derivative self-assembly system

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Graphical abstract:



Highlight:

In this study, the different structures had different wetting properties with contact angles ranging from 103° to 150° in this self-assembly system. In particular, a water-drop could freely roll on the superhydrophobic surface of the organogel film formed in DMSO. The sliding angle necessary for a water droplet to move on the glass was 15.0°. The superhydrophobic surface can be easily obtained via supramolecular self-assembly and is expected to be used in numerous technical applications such as resisting water coalescence and self-cleaning materials.

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